

Environmental Justice 2024

Policy, Practice, and Progress

Rosemont, Illinois, USA
4 - 5 December 2024

ISBN: 979-8-3313-1725-6

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Red Hook, NY 12571



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Final Program

TECHNICAL AGENDA – Wednesday, December 4

Opening Plenary Session

8:30 am – 10:00 am

O'Hare IV

Welcome and Introduction

Jim Walker, A&WMA President, Air Quality Supervisor, Consumers Energy

John Kinsman, Conference Chair, Senior Director, Environment, Edison Electric Institute (retired)

Leaders in the field will present the state of Environmental Justice, addressing progress and challenges.



Cheryl Johnson,
Executive Director, People
for Community Recovery



Robert A. Weinstock, Director,
Environmental Advocacy Center,
Northwestern Pritzker School of Law

Moderated by: Chris Whitehead, Worley

10:00 am – 10:20 am Networking Break – O'Hare Foyer

Track A sessions will be held in O'Hare IV

Session 1A: Panel – Industry Perspectives on Environmental Justice

10:20 am – 12:00 pm

Moderator: John Kinsman, Edison Electric Institute (retired)

Executives from leading companies and organizations will discuss the latest industry views and actions on Environmental Justice and related equity issues.

Panelists include:

- **J. Michael Showalter**, Partner, ArentFox Schiff, LLP
- **Jamie Hill**, Senior Manager, Environmental Management, Exelon Corporation
- **Patricia Spitzley**, Deputy Redevelopment Manager and Director of Government Relations, RACER Trust

Track B sessions will be held in O'Hare V

Session 1B: Federal, State, and Local Activities

Session Chair: Tom Morahan, egroun

10:20 am – 10:40 am

EJ 26 **Inside Out. Building Internal Capacity to Meet Environmental Justice Goals** 1

Victoria Blackwell, AECOM

10:40 am – 11:00 am

EJ 02 **Elevating Community Experts: The Role of Advisory Groups in Advancing Environmental Justice** 7

Lubna Ahmed, Erin Kendall, Colorado Department of Public Health & Environment

11:00 am – 11:20 am

EJ 09 **Imperial County AB617, North End Communities** 14

José Landeros, Sergio Valenzuela, SCS Engineers

11:20 am – 11:40 am

EJ 04 **Implementing the Colorado Environmental Justice Act: Best Practices for Community Engagement** 29

Erin Kendall, Lubna Ahmed, Colorado Department of Public Health & Environment

12:00 pm – 1:00 pm Lunch for all attendees – O'Hare III

Final Program

TECHNICAL AGENDA – Wednesday, December 4, con't.

Track A sessions will be held in O'Hare IV

Session 2A: Engagement, Collaboration, and Education Activities, Part 1

Session Chair: Nick Dummer, Colorado DPHE

1:00 pm – 1:20 pm

EJ 08 **Integrating EJ Considerations into Air Quality Planning and Programs in the RAQC Region** 36

Kyra Reumann-Moore, Jacob LaBure, Tom Moore, Cora Morency, Mike Silverstein, Regional Air Quality Council; Jessica Christy, Christy Law

1:20 pm – 1:40 pm

EJ 30 **Energy Literacy and Justice: The Path to Inclusive and Sustainable Energy Transitions** 46

Oluwafemi Awolesi, Margaret Reams, Corinne A. Salter, Louisiana State University

1:40 pm – 2:00 pm

EJ 37 **Determining Environmental Health Literacy in the Mississippi Delta** 51

Courtney Roper, Amelia Craze Smith, University of Mississippi

2:00 pm – 2:20 pm

EJ 43 **How Love My Air Collaborates with Community to Address Air Quality** 63

Ephraim Milton, Denver Department of Public Health

Track B sessions will be held in O'Hare V

Session 2B: Energy, Industry, and Transportation

Session Chair: Andrew Dorn, Illinois Tool Works, Inc.

1:00 pm – 1:20 pm

EJ 34 **Assessing an Advanced Clean Truck Policy in Illinois on Air Quality, Public Health, and Equity** 70

Victoria Lang, et. al., Northwestern University

1:20 pm – 1:40 pm

EJ38 **Incorporating Environmental Justice and Equity Principles: A Toolkit for Airports** 84

Julia Nagy, Harris, Miller, Miller, & Hanson Inc.; Destiny Deguzman, Thrivance Group; Amber Woodburn McNair, Ohio State

1:40 pm – 2:00 pm

EJ 29 **Tracking the Decarbonization and Sustainability of Fuels Use in the U.S.** 90

Doris Oke, Troy R. Hawkins, Tai-Yuan Huang, Argonne National Laboratory

2:00 pm – 2:20 pm

EJ 07 **The US Justice 40 Initiative: A Critical Path Forward for Environmental Justice** 100

Oluwafemi Awolesi, Margaret Reams, Corinne A. Salter, Louisiana State University

2:20 pm – 2:40 pm Networking Break
O'Hare Foyer

Session 3A: Engagement, Collaboration, and Education Activities, Part 2

Session Chair: Maud Walsh, Louisiana State University

2:40 pm – 3:00 pm

EJ 31 **Effective Engagement in Environmental Justice Communities** 111

Patricia Spitzley, RACER Trust

3:00 pm – 3:20 pm

EJ 45 **Environmental Justice and Tribal Engagement** 118

Eric Scuoteguazza, Gretchen Addington, Civil & Environmental Consultants, Inc.

3:20 pm – 3:40 pm

EJ 12 **Community-Driven Clean Air: A Blueprint for Emission Reductions Planning in Imperial County, CA** 127

Alek VanHoughton, Emily Weissinger, Scott Weaver, Ramboll

3:40 pm – 4:00 pm

EJ 19 **Connect the Dots: Strengthening Workforce Development and Community Engagement in Hydrogen** 136

Krystal York, Electric Power Research Institute

Session 3B: Cumulative Impacts

Session Chair: Kelly Crawford, A&WMA SASS Board of Directors

2:40 pm – 3:00 pm

EJ 48 **Environmental Justice Science, Data, and Research Plan of the National Science and Technology Council** N/A

Kelly Crawford, A&WMA SASS Board of Directors

3:00 pm – 3:20 pm

EJ 17 **Review of Frameworks, Methods, and Metrics for CIA of Vulnerable Communities: A Science Perspective** 145

Ann Verwiel, Alexander East, William Klaren, Camarie Perry, LeeAnn Racz, William Rish, Brianna Rivera, ToxStrategies, LLC

3:20 pm – 3:40 pm

EJ 41 **An EJ and Air Pollution Success Story—Lessons Learned** 156

Tad Aburn, Community Volunteer, Retired MDE Air Director; Julia Mosley, former Mayor of Cheverly, MD, Environmental Justice Action Team; Ray Mosley, Environmental Justice Action Team

3:40 pm – 4:00 pm

EJ 33 **Identifying Sources of VOCs in Commerce City, Colorado: Positive Matrix Factorization Applications** 179

Elizabeth Wallace, Sergio Guerra, Miriam Hacker, Vinay Kumar, Colorado DPHE; Michael Hannigan, University of Colorado Boulder

Final Program

TECHNICAL AGENDA – Wednesday, December 4, con't.

4:15 pm – 5:45 pm Combined Poster Session and Networking Reception - O'Hare III
Browse posters, and connect with fellow attendees and sponsors!

Technical Posters

Dedicated poster presentation time from 4:15 pm to 4:45 pm

Poster Session Chair: Arijit Pakrasi, Edge Engineering and Science, LLC

EJ 13 PCBs in Soils in Pinellas County: Climate Change and Environmental Justice Implications N/A
Katherine Hallee, University of South Florida

EJ 23 Exploration of Quantitative Methods for Cumulative Risk and Impact Assessments: A Literature Review N/A
Dana Moskowitz, EA Engineering

EJ 25 Equity Analysis of NO₂ Exposure Disparities Using TROPOMI Satellite Data in U.S. Metropolitan Areas N/A
Cecilia Orth, Summer Acker, Monica Harkey, Tracey Holloway, Paul Meier, University of Wisconsin-Madison

EJ 48 Visualizing Green Space Disparities in Chicago N/A
Dathan Maton, Matthew Blaser, Michael D. Cailas, University of Illinois, Chicago

TECHNICAL AGENDA – Thursday, December 5

Plenary Session: State and Local EJ Initiatives

8:00 am – 10:00 am
O'Hare IV

Esteemed panelists will discuss successful state and local activities including the Chicago Cumulative Impact Assessment study.

Moderators: John Kinsman, Edison Electric Institute (retired), Kelly Crawford, A&WMA SASS Board of Directors

Speakers include:



Megan Cunningham
Former Managing Deputy
Commissioner, Chicago
Department of Public
Health



Chris Pressnall,
Environmental Justice
Coordinator, Illinois
Environmental Protection
Agency



Gina Ramirez
Midwest Director of
Environmental Health,
Natural Resources Defense
Council

10:00 am – 10:20 am Networking Break – O'Hare Foyer

Final Program

TECHNICAL AGENDA – Thursday, December 5, con't.

Session 4A: Panel – Environmental Justice Progress from a Community Group Perspective

10:20 am – 12:20 pm

O'Hare IV

Moderator: Chris Whitehead, Worley

Leaders from community and government organizations dedicated to advancing environmental justice will discuss their programs, challenges, and solutions that have made progress in their communities. Topics will include partnerships with local governments or businesses, strategies for community engagement, and policy advocacy efforts to drive long-term environmental change. Their discussion will provide valuable lessons and actionable ideas for those committed to fostering a more just and sustainable environment for all communities. Speakers include:

- **Howard Learner**, Executive Director, Environmental Law and Policy Center 196
- **Tad Aburn**, Community Volunteer, Retired Maryland Department of Environment Air Director 198
- **Daniel Madrigal**, Senior Staff Specialist, Community Engagement Office, Bay Area Air Quality Management District 208

12:20 pm – 1:20 pm

Lunch for all attendees – O'Hare III

Track A sessions will be held in O'Hare IV

Session 5A: Screening and Measurement Tools and Applications, Part 1

Session Chair: Harish Rao, Rao Consulting

1:20 pm – 1:40 pm

EJ 27 **Comparative Analysis of Air Quality Data** 213

Chloe Chung, Electric Power Research Institute

1:40 pm – 2:00 pm

EJ 21 **Near-Source Safety, Health Risks, and EJ Implications of Oil and Gas Methane Super Emitter Events** 218

Dr. Christos Efstathiou, et. al., PSE Health Energy

2:00 pm – 2:20 pm

EJ 11 **Case Studies on Air Quality and Toxic Chemical Exposure in Louisiana** 230

Jithin Kanayankottupoyil, Kuruvilla John, Athira Ayyappankutty Nair, University of North Texas, Denton; Helen Malmgren, Xavier University of Louisiana

2:20 pm – 2:40 pm

EJ 35 **Ammonia & CO₂ LDAR – Laser Gas Imaging Technology for Detecting Leaks in Facility Infrastructure** 242

Roy Massengale, EnRUD Resources, Inc.; Nicholas F. Aubut, Shin-Juh Chen, Michael B. Frish, Physical Sciences, Inc.

Track B sessions will be held in O'Hare V

Session 5B: Law and Regulations: Permitting, Siting, Compliance, Enforcement

Session Chair: Daniel Robertson, Jenner & Block, LLP

1:20 pm – 1:40 pm

EJ 14 **Environmental Justice Update 2024** 252

Richard Hamel, ALL4, LLC

1:40 pm – 2:00 pm

EJ 16 **Environmental Justice Analyses in EPA Air Quality Rulemakings** 261

Jennifer Sellers, Sarah Zelasky, US EPA

2:00 pm – 2:20 pm

EJ 28 **Environmental Justice in Permitting Clean Energy Projects** 271

Clare Bienvenu, Emily von Qualen, Liskow & Lewis APLC

2:20 pm – 2:40 pm

EJ 06 **Environmental Justice in Illinois Air Permitting** 282

Amal Agharkar, Tiffany Cuni, Daniel Guido, Tom Wickstrom, Environmental Resources Management

2:40 pm – 3:00 pm Networking Break – O'Hare Foyer

Final Program

TECHNICAL AGENDA – Thursday, December 5, con't.

Track A sessions will be held in O'Hare IV

Session 6A: Screening and Measurement Tools and Applications, Part 2

Session Chair: Brendan Farnham, V3

3:00 pm – 3:20 pm

EJ 40 **Can Low-cost Air Monitors Provide Useful Data to Overburdened Communities? A Case Study** 291
Tom Morahan, egroup

3:20 pm – 3:40 pm

EJ 39 **Advancing Environmental Justice through Community Air Quality Monitoring in Detroit** 301
Darren Riley, JustAir; Stephen Norlock, SENSIT

3:40 pm – 4:00 pm

EJ 36 **Assessing Air Quality in Jackson, Mississippi: Fine Particulate Matter (PM_{2.5}) Components** 311
Courtney Roper, Amelia Craze Smith, University of Mississippi

4:00 pm – 4:20 pm

EJ 47 **HaZapp: The Crowd-Based Application for Reporting Environmental Hazards** 324
Steven LaZar, Atmosfir Optics Ltd

Track B sessions will be held in O'Hare V

Session 6B: Case Studies

Session Chair: Wilma Dreessen, Chevron

3:00 pm – 3:20 pm

EJ 15 **Strategies to Address EJ Concerns in New and Renewed Major Source Air Permits** 330
Chris Whitehead, Worley

3:20 pm – 3:40 pm

EJ 22 **West Oakland Residents Drive Air Quality Research for Toxics Reduction and Neighborhood Planning** 337
Andrea Anderson, Steve Brown, Sonoma Technology

3:40 pm – 4:00 pm

EJ 05 **Evaluating Air Quality Impacts from Mobile Sources in Environmental Justice Communities** 353
Sonja Sax, Sharmin Akter, Epsilon Associates

4:00 pm – 4:20 pm

EJ 01 **Positioning for Environmental Justice Momentum in Environmental Consulting** 362
Alyssa Johnson, Landau Associates

4:20 pm – 4:40 pm

EJ 24 **CCUS Implementation: Outreach and Stakeholder Engagement** 372
Uni Blake, American Petroleum Institute

Join your fellow conference attendees and committee members at a casual networking social at **Pete's Tiki Tiki bar**, 5510 Park Place, Rosemont (5-10 minute walk) at 5:30 pm following the close of the conference.

Thank you for attending!



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