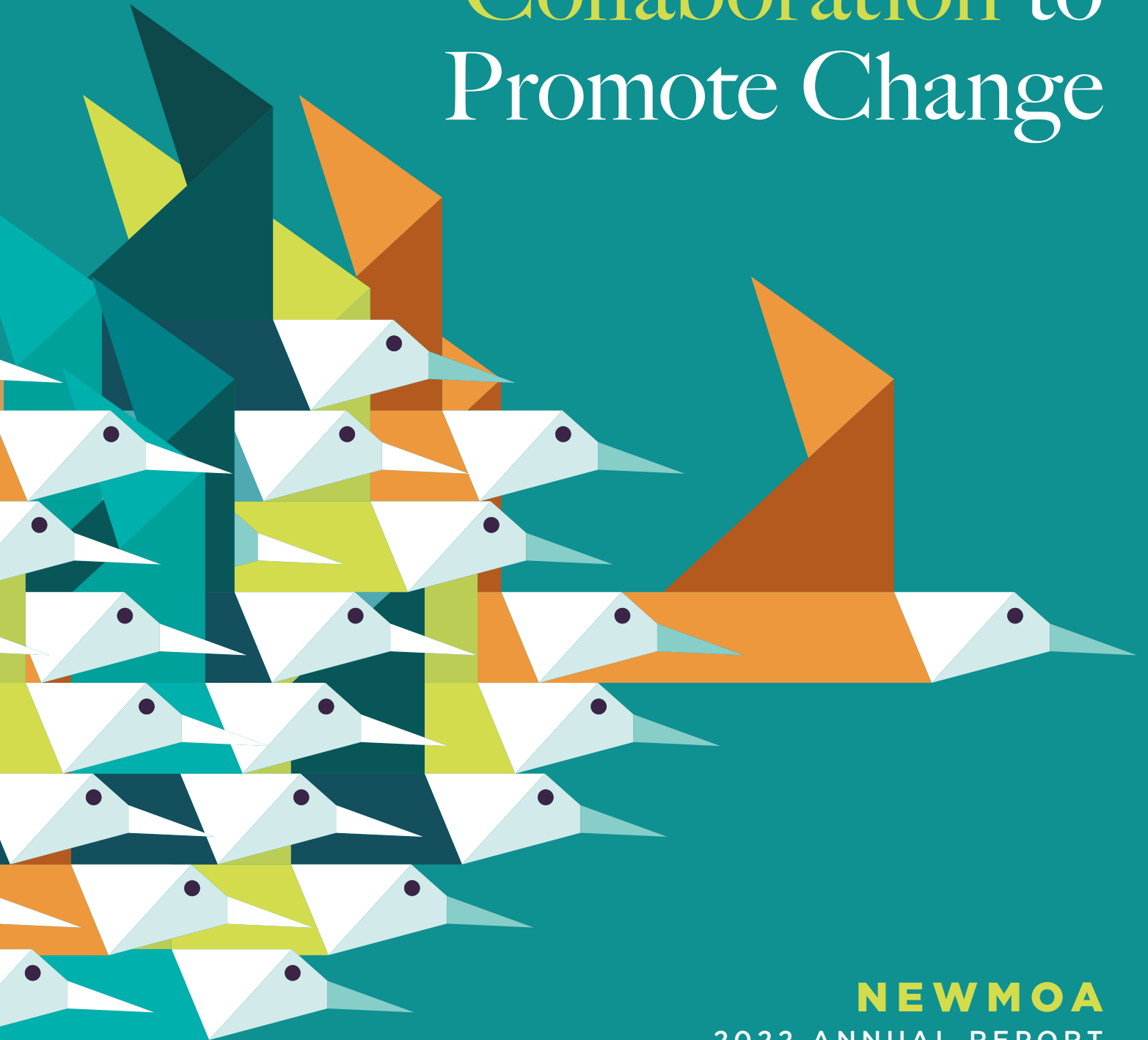


# Strengthening Collaboration to Promote Change



**NEWMOA**  
2022 ANNUAL REPORT



## **ABOUT NEWMOA**

NEWMOA is a non-profit, non-partisan, interstate association whose membership is composed of the state environment agency programs that address pollution prevention, toxics use reduction, sustainability, materials management, hazardous waste, solid waste, emergency response, waste site cleanup, underground storage tanks, and related environmental challenges in Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, and Vermont. NEWMOA also works collaboratively with non-member states on issues and programs of national importance.

## LETTER FROM NEWMOA'S 2022 CHAIR

# Strengthening Collaboration to Promote Change

**2022** was a landmark year for NEWMOA, with significant accomplishments, a celebration

of a milestone anniversary, and preparation for a change in leadership. Our biggest accomplishments were holding two sold-out events in person. The first one, the Northeast Conference on the Science of PFAS: Public Health and the Environment in April involved more than 540 participants (both in-person and virtual), with about 110 presenters, 32 exhibitors, and 16 posters. It was the largest event NEWMOA has ever hosted. The second, Revitalizing New England: Brownfields Summit 2022 in May involved more than 300 participants in person, with 88 presenters and 24 exhibitors. Both events had originally been scheduled to take place in the spring of 2020 but were postponed due to the Covid-19 pandemic. Between 2020 and 2022, NEWMOA's Planning Committees revised and updated the agendas and transitioned the registration from 2020 to 2022. Participants in both events reported that they were happy to be able to be back in person for these kinds of conferences and that they learned a great deal that they will apply in their work. Based on the overwhelmingly positive feedback, NEWMOA has decided to hold both events again in 2024.

In addition, to being in-person for the conferences, NEWMOA's Board transitioned back to in-person meetings in 2022 and was able to belatedly celebrate NEWMOA's 35th anniversary on a lovely night in June in Providence, RI.

Throughout the fiscal year, NEWMOA's Board worked to update NEWMOA's Strategic Plan, and ultimately approved a 2023-2027 Plan during its September meeting. The Plan recommits NEWMOA to its focus on emerging

contaminants, climate change mitigation, and supporting capacity of and ensuring adequate resources for state programs. The Plan also focuses NEWMOA's work on environmental justice more actively than in the past.

NEWMOA's Board was also busy gearing up for a major transition in leadership. Several long time Board members retired in 2021, and the Board welcomed Jennifer Perry, CT DEEP; James Albis, CT DEEP; Susanne Miller, ME DEP; Kathy Black, NH DES; Janine MacGregor, NJ DEP; and Matt Chapman, VT DEC. Each of these new Board members made a smooth transition to the Board and contributed much to NEWMOA's work during the year. In addition, long time NEWMOA Executive Director, Terri Goldberg announced her intention to retire by the end of calendar year 2022. The Board decided to hire an Executive Search firm to help guide the search for a new director, and after issuing a Request for Proposals (RFP), selected Eos Transition Partners. The Board formed a committee to work with the search firm to recruit and screen

applicants. Following a well-organized and thoughtful review and interview process with several well-qualified candidates, and with participation of the entire Board and NEWMOA staff, we were so pleased to select Martin Suuberg as NEWMOA's new Executive Director, beginning in January 2023. Martin brings significant environmental policy knowledge and a distinguished record of public service, most recently having served eight years as the Commissioner of the Massachusetts Department of Environmental Protection. Welcome, Martin!

NEWMOA was also busy collaborating with the Northeast Recycling Council (NERC) to offer 11 free webinars on key Sustainable Materials Management (SMM) topics.



**MIKE WIMSATT**

New Hampshire  
Department of  
Environmental  
Services

2022  
NEWMOA Chair



Throughout FY 2022, NEWMOA worked on developing a modern newmoa.org website that was launched in February 2023. The website was completely updated and is now easier to navigate with a modern and clean user interface. It is mobile ready and meets a higher standard for accessibility. And, best of all, it's beautiful!

Check out the other examples of our work in FY 2022 by reviewing the rest of this Report. For a quick overview of our accomplishments, check out the “Highlights” and “NEWMOA-by-the-Numbers.”

It was a distinct honor to serve as Chair of the NEWMOA Board in 2022. From that position of privilege, I had the opportunity to work more closely with my fellow Board members and the NEWMOA staff, and to fully appreciate the knowledge, skill, and dedication that each brings to their work. But I was most struck by Terri Goldberg's energy and steadfast attention to her work during her final year of service to the organization. Throughout her more than 33-year tenure, including 12 years as Executive Director, she has deftly guided the northeast states in implementing landmark environmental protection initiatives and has advanced countless waste-related projects aimed at making the region and the nation a safer and cleaner place to live. In consideration of this record of outstanding work on behalf of our member states and partners, we could have forgiven her for “easing” into retirement – but she never let up one bit and pressed on harder than ever to advance NEWMOA's mission and service. Her unparalleled knowledge and passion for her work shone through with every interaction.

Terri's exceptional leadership has prepared NEWMOA for a bright and successful future, and I feel so lucky to have had the pleasure of knowing and working with her and learning from the example she has set. With hearty congratulations and a touch of sadness, we bid Terri a fond farewell.

## Science of PFAS Conference

NEWMOA partnered with the New England Interstate Water Pollution Control Commission (NEIWPCC), the Northeast States for Coordinated Air Use Management (NESCAUM), the Northeast Recycling Council (NERC), and others to organize a regional conference on the science of PFAS. The goals of the Conference were:

- Ensure that local, state, and federal action to address PFAS contamination is informed by the most current and reliable science
- Facilitate networking and information-sharing among key stakeholders on PFAS topics
- Identify important gaps in the science and policy to help inform future research

The Conference involved about 540 attendees (in person and virtual), including:

- Local, state, and federal government officials
- Academic researchers and students
- Consultants and vendors
- Companies that use, make, or sell products that contain PFAS
- Non-governmental and environmental organizations

The two-day Conference was held in April 2022 and included two plenaries, five tracks of concurrent sessions, an exhibit area, and posters. The tracks focused on:

- Environmental behavior
- Environmental sampling and analysis
- Toxicology and environmental health
- Treatment and remediation
- Uses and alternatives

# NEWMOA Highlights 2022

## Brownfield Summit

To advance the understanding of states and federal Brownfield programs and opportunities, NEWMOA, the Technical Assistance to Brownfield Communities (TAB) program at the University of Connecticut (UConn), and state and federal government partners organized a regional Summit. The goals of the Summit were:

- Share information about the financial incentives, liability protections, and technical and other assistance available for brownfields development from federal and state governments
- Promote best practice and lessons learned across states
- Provide an opportunity to increase networking and information-sharing among key stakeholders

The two-day Summit was held in May 2022 and included plenary and break-out sessions and an exhibit area. 300 people attended the Summit, including representatives from:

- State, tribal, and federal government brownfields and waste site cleanup programs
- Local, regional, and state economic development agencies
- Real estate developers, financial institutions, and law firms
- Planning and economic development consulting firms
- Local governments
- Interested citizens and non-governmental organizations
- Job training grantees
- Environmental professionals

## Solid Waste Webinars

NEWMOA and NERC jointly held 11 free public webinars for more than 4,022 attendees on such topics as innovative food recovery strategies, extended producer responsibility for solar panels and gas cylinders, low carbon concrete standards, recycling and jobs, and recycled content mandates.

## Model Recycled Content Legislation

Throughout 2021 and 2022, NEWMOA and NERC jointly supported an initiative to develop “Minimum Postconsumer Recycled Content Requirements for Plastic Products and Packaging, Model Legislation.” After drafting the legislation, which was modeled on similar bills in New Jersey and Washington State, the joint Workgroup released the document for public comment early in 2022. After reviewing more than 33 comment letters, the Workgroup revised the model, posted a final version in August, and issued a press release to announce its availability.

## Online Mercury Database Modernized

NEWMOA’s Interstate Mercury Education and Reduction Clearinghouse (IMERC) Program launched a modernized and searchable IMERC Mercury-Added Products Database, which presents information on the amount and purpose of mercury in products - <https://newmoa-inq.govonline.sas.com/view/mercury-search>. Users can search the Database by company, product category, and/or mercury amount.

# NEWMOA by the Numbers



40 NEWMOA-SPONSORED TRAINING WEBINARS involving more than **6,260 attendees**

**380**

NEWMOA WORKGROUP AND PROJECT VIRTUAL MEETINGS involving more than **2,944 attendees**



More than **56,733 USER SESSIONS** on 3 NEWMOA-supported websites and more than **145,310 page views** by those visitors

**540**

ATTENDEES AT THE SCIENCE OF PFAS CONFERENCE

**76**

VIRTUAL MEETINGS, CONFERENCES, AND WEBINARS sponsored by other groups in which NEWMOA staff participated

**8**

MEETINGS of the NEWMOA Board of Directors and Executive Committee

**300**

ATTENDEES AT THE BROWNFIELDS SUMMIT



4 ONLINE DATABASES developed and/or maintained



38 WORKGROUPS OR COMMITTEES involving approximately **900 members**

**8**

NEWMOA MEMBER STATES



**4 ISSUES OF NEWS@NEWMOA** each distributed to an average of **7,420 readers**



More than **187 COMPANIES** reporting on their mercury-added products through the Interstate Mercury Education and Reduction Clearinghouse (IMERC)

More than **105 COMPANIES** reporting on their use of high priority chemicals of concern in children's products through the IC2's High Priority Chemicals Data System (HPCDS)

**13**

**IMERC MEMBER STATES**  
**2 IMERC Supporting Members**

**14**

**IC2 STATE AND LOCAL GOVERNMENT MEMBERS**  
**15 IC2 Supporting Members**

**11**

**ISSUES OF THE IC2 E-BULLETIN** each distributed to approximately **150 readers**

**11**

**OTHER NEWMOA PUBLICATIONS OR DOCUMENTS** posted and distributed

**4**

**WEBSITES** supported by NEWMOA, including newmoa.org, theic2.org, erpstates.org, and greenlodgingcalculator.org

**10**

**TPCH MEMBER STATES**  
**1 Industry Advisory Member;**  
**1 Subject Matter Expert**

**6**

**NEWMOA STAFF**

For more information, visit [www.newmoa.org](http://www.newmoa.org).



# Solid Waste & Sustainable Materials Management (SMM) Programs



**CHRIS NELSON**

Connecticut  
Department  
of Energy &  
Environmental  
Protection  
(CT DEEP)

2022 NEWMOA  
Solid Waste & SMM  
Program Chair

“The programs I have participated in were well planned and executed. Keep up the good work!”



Overall, discussions among NEWMOA’s solid waste program officials throughout FY 2022 focused on ending food waste and promoting food recovery; advancing extended producer responsibility programs, particularly for packaging; overcoming challenges in the markets for recycled materials; proposing post-consumer recycled content legislation for plastics; and considering how to take advantage of new EPA funding for SMM under the new bipartisan infrastructure legislation.

NEWMOA conducted a survey of state participants in its FY 2022 Solid Waste and SMM activities, and 100 percent of the respondents stated that they use the information they learned from those activities. Respondents noted how they apply the knowledge they gained from NEWMOA’s solid waste activities:

- Useful in considering policy mechanisms and regional markets
- Compare our regulations and issues with other states
- Better understanding of industry functions and processes and future concerns

NEWMOA’s Solid Waste and SMM Steering Committee, made up of 12 members, held 3 virtual meetings to share updates, discuss FY 2022 projects, and plan Board meeting discussions. EPA Region 1 helped NEWMOA and NERC hold two 2 webinars for 18 and 43 members, respectively, of their Boards, the Solid Waste and SMM Steering Committee, and other state officials on EPA’s Solid Waste Infrastructure for Recycling (SWIFR) and Recycling Education and Outreach (REO) funding programs, among others.

## Partnership with NERC

NEWMOA and NERC have developed a robust and extensive partnership over the past eight years. During FY 2022, NEWMOA and NERC communicated frequently to collaborate on implementing the FY 2020-2022 Joint

Strategic Action Plan and the joint FY 2022 Workplan. The organizations prepared and shared regular updates for their Boards on the status of the joint work and a 2022 Annual Report on joint accomplishments. They also prepared an updated 2023-2024 Joint Strategic Action Plan and FY 2023 Workplan. NERC’s long time Executive Director, Lynn Rubinstein retired in 2022. She was a great leader of NERC and partner to NEWMOA.

## Food Recovery

EPA estimates that more than 20 percent of the municipal solid waste stream is food waste. EPA and the U.S. Department of Agriculture (USDA) have established a national goal to reduce this waste 50 percent by 2030. NEWMOA and NERC support the actions needed to help achieve this goal in the northeast.

There are significant opportunities to promote reduction of wasted food and increase diversion of unwanted food from disposal, and many innovative initiatives are underway in the northeast. Some parts of the region have experienced significant increases in edible food rescued for donation due to implementation of enhanced environmental policies and actions. There are also significant efforts underway to expand capacities for composting food waste and converting it to energy through anaerobic digestion (AD). These operations are rapidly improving and becoming more cost-effective. State environmental agencies are permitting new AD and municipal and commercial composting operations as well as working with local governments and waste haulers to address challenges they have with food waste collection, storage, and transportation.



## Joint Food Recovery Workgroup

The NEWMOA-NERC joint Food Recovery Workgroup is a forum for interstate collaboration and information sharing on methods for diverting wasted food from disposal, siting and permitting of composting and AD facilities, and new regulatory and policy initiatives. Throughout 2022, this joint Workgroup of 32 members, including staff from EPA Regions 1 and 2, met twice to share ideas, updates, and information. The Workgroup also supported NEWMOA and NERC's grant proposal to the EPA to support a project to advance AD in the region. Josh Kelly, Vermont DEC chaired the Workgroup in FY 2022.

## Joint Webinars

NEWMOA and NERC jointly sponsored the following food recovery webinars in FY 2022:

- “End Markets for Finished Compost” for 404 attendees.  
*Presenters:* Charles Duprey, Naturcycle LLC; Maria Bianchetti, OCRRA; Emma Yates, WeCare Denali.  
*Recording & slides:* <https://www.newmoa.org/event/end-markets-for-finished-compost/>.
- “Avoiding Contamination in Food Waste Feedstock for Composting” for 311 attendees.  
*Presenters:* Erin Skelly, Shakopee Mdewakanton Sioux Community Organics Recycling Facility; Kate Kurtz and Becca Fong, Seattle Public Utilities; Natasha Duarte, Composting Association of Vermont.  
*Recording & slides:* <https://www.newmoa.org/event/avoiding-contamination-in-food-waste-feedstock-for-composting/>.
- “Food Waste Reduction Strategies and Tools for Businesses and Institutions” for 340 attendees.  
*Presenters:* Coryanne Mansell, Center for EcoTechnology; John Short, PHOOD.  
*Recording & slides:* <https://www.newmoa.org/event/food-waste-reduction-strategies-tools-for-businesses-institutions/>.

- “Fate of Non-organic Packaging Materials from De-packaging Operations – How Much is Recycled and Into What?” for 359 attendees.  
*Presenters:* Ryan Harb, Vanguard Renewables; Rashi Akki and Dan Woodger, Ag-Grid Energy; Eric Roy, University of Vermont.  
*Recording & slides:* <https://www.newmoa.org/event/fate-of-non-organic-packaging-materials-from-de-packaging-operations-how-much-is-recycled-and-into-what/>.

## Extended Producer Responsibility (EPR)

Product stewardship shifts end-of-life financial and management responsibility, with government involvement, upstream to the producer and away from the public sector. A form of product stewardship, called Extended Producer Responsibility (EPR), requires producers and brands to be financially responsible for the end-of-life management of the products that they produce. Northeast states have enacted more than 35 EPR laws covering many different products, including batteries, electronics, fluorescent lamps, gas cylinders, mattresses, mercury auto switches, mercury thermostats, packaging, paint, and pharmaceuticals. Additional legislative proposals are under consideration for other product categories, including household hazardous waste, solar panels, carpet, tires, and medical sharps.

## Joint EPR Network

Throughout FY 2022, NEWMOA and NERC supported a joint Northeast EPR Network that includes 42 state and local government officials as well as non-governmental organizations (NGOs) that are actively promoting EPR. This group convened virtually 3 times, with an average of about 14 participants per meeting, to share information, updates, and strategies and to discuss opportunities for regional coordination and collaboration. Tom Metzner, Connecticut DEEP chaired the Workgroup in FY 2022.

## 2022 SOLID WASTE & SMM PROGRAM AT-A-GLANCE

**4,022 attendees in 11 joint webinars with the Northeast Recycling Council (NERC)** covering EPR for solar panels and gas cylinders, various food recovery topics, low carbon concrete, achieving net zero in solid waste facilities, recycling and jobs, and recycled content mandates.

**6 new solid waste publications posted**, covering model recycled content legislation for plastic packaging and products, 3 end food waste handouts, and a comment letter to EPA on their new grant programs to support SMM. The 3 end food waste handouts were translated into 5 languages each.

**3 short videos posted** covering end food waste topics, and each one was translated into 5 languages.

**30 attendees on average in 2 virtual meetings of solid waste officials in EPA Region 2**, including representatives from New Jersey, New York, Puerto Rico, the Virgin Islands, and EPA.

**7 joint NEWMOA - NERC Workgroups** on food recovery, recycled content legislation, household hazardous waste (HHW), recycling markets, construction and demolition (C&D) materials, climate and materials, and extended producer responsibility (EPR) involving more than 260 people.

**7 NEWMOA-only Workgroups** focused on solid waste landfills, disaster debris, medical waste, measuring SMM, solid waste metrics, and restrictions on plastics involving 115 people and a Solid Waste and SMM Steering Committee involving 12 people.



*Presenters:* Al Salvi, Washington Department of Ecology; Parikhit Singha, First Solar; Kelley Keough, Greeneye Partners.

*Recording & slides:* <https://www.newmoa.org/event/solar-panel-recycling-epr/>.

## Recycled Content Standards

There are growing calls to improve voluntary and mandatory standards for post-consumer recycled content in packaging and products. Post-consumer recycled (PCR) refers to the materials collected through municipal or private residential and commercial recycling programs. The items collected commonly include plastic and glass containers, paper and cardboard, and metal cans. Once collected, these materials are consolidated and hauled to materials recovery facilities (MRFs) where they are sorted into bales based on the material. The bales are then purchased, melted, or ground into small pellets and then molded into new containers, packaging, and products. Brands then purchase the new products and customize them with their company's label so it can be purchased again.

Using recycled content has many significant environmental advantages, including reducing energy consumption and the demand for finite resources. Further, using recycled content can be advantageous from a cost perspective. With increasing frequency, brands are publicly announcing goals for sourcing a percentage of their paper, glass, metal, and/or plastic from recycled material. These goals are a result of brand owners reacting to pressure from stakeholders and consumers and evaluating their sustainability efforts. There are demands for states to act and develop recycled content mandates across the U.S.

### Joint Recycled Content Workgroup

NEWMOA and NERC supported a Recycled Content Legislation Workgroup in FY 2022 to work on developing a

## ENDING FOOD WASTE IN EAST BOSTON

NEWMOA collaborated with Maverick Landing Community Services (MLCS) to help them promote food recovery and food waste reduction strategies for their residents. MLCS is multi-service organization in the heart of the Maverick Landing housing development in East Boston. Their mission is to build an equitable community by uplifting and supporting families, promoting community health, and nurturing resident and youth leadership and creativity.

The NEWMOA - MLCS Project Team developed a series of workshops for the MLCS youth workers focusing on the importance of food recovery, the intersectionality of food waste reduction and recovery with environmental and food justice, the impacts of climate change and food systems, and how wasted food contributes to climate change. The Project Team and MLCS youth hosted an end-of-project event for the residents of Maverick Landing and the greater East Boston community on "A Celebration of Food and Building Community". The Project also worked with the management of the housing development to offer food waste segregation and composting services for the residents.

Check out the Project and related materials: <https://www.newmoa.org/mlcs-end-food-waste-project-educational-toolkit/> and <https://www.newmoa.org/mlcs-end-food-waste-project-factsheets/>.

This Project was funded by a Healthy Communities Grant from EPA Region 1.

model recycled content bill focused on plastic trash and carry-out bags and food, beverage, and household product containers and other products. The Workgroup of 13 members met 7 times (with an average of about 6 people per meeting) during the year to draft the model, which was posted as final in August 2022.

### Webinars

- "Recycled Content Mandates: The Good, the Bad, and the Ugly" for 622 attendees.

*Presenters:* Mark Murray, Californians Against Waste; Steve Alexander, Association of Plastics Recyclers; David Allway, Oregon Department of Environmental Quality.

*Recording & slides:* <https://www.newmoa.org/event/recycled-content-mandates-the-good-the-bad-and-the-ugly/>.

- "Minimum Post-Consumer Recycled

Content Model Legislation for Plastics" for 131 attendees.

*Presenters:* Lynn Rubinstein, NERC; Terri Goldberg, NEWMOA.

*Recording & slides:* <https://www.newmoa.org/event/minimum-post-consumer-recycled-content-model-legislation-for-plastics/>.

### Model Legislation

NEWMOA and NERC's model legislative strategy encourages a circular economy in plastics and promotes:

- Conservation of resources and reduction in greenhouse gas emissions and other environmental impacts from producing plastics products from petroleum
- Stronger domestic markets for products made with postconsumer plastics
- Increased stability in the plastic scrap markets



In August, NERC and NEWMOA announced the publication of *Model Minimum Postconsumer Recycled Content Requirements for Plastic Products and Packaging Legislation* – <https://www.newmoa.org/recycled-content-model-legislation/>. This Model is the result of two-years of work by the joint Workgroup of state recycling officials from the northeast and incorporates many of the suggestions received from more than 33 commenters during a public comment period in early 2022.

The Model bill would require producers of covered plastic products and packaging to use a specified amount of minimum postconsumer recycled content, phased in over time. The covered plastic packaging and products include film bags, single-use containers used for food, beverages, household cleaning and personal care products, and rigid plastic containers. The Model does not address all types of plastic products and packaging.

## Recycling Markets

Markets for recycled materials continued to be challenging in 2022. NEWMOA staff participated in monthly meetings of the NERC-led joint Recycling Markets Committee throughout the year. The Committee has members from both state and local governments as well as the private sector and provides an information-sharing forum on market conditions and projections for the materials collected by municipal recycling programs. The Committee also oversees a quarterly report on MRFs in the *Report on Blended MRF Commodity Values in the Northeast*. Chaz Miller chaired the Workgroup in FY 2022.

## Climate & Materials Management

Each stage of a product's life cycle – from raw materials extraction to manufacturing, transportation, use, and end-of-life management – consumes fossil fuels and results in greenhouse gas (GHG) emissions. A full life cycle accounting of GHG emissions associated with the production

and use of products and materials shows that they represent roughly 35 to 46 percent of the GHG emissions in the U.S. Organic waste in landfills significantly contributes to generation of methane gas, which is a more potent GHG than carbon dioxide.

## Climate & Materials Management Workgroup

NEWMOA and NERC support a joint regional Workgroup of 26 members that met 3 times in FY 2022 for an average of 20 participants per meeting to share information on strategies for mitigating the climate impacts of materials. NEWMOA initiated development of a regional consumption-based emissions inventory project with volunteer state programs and EPA Regions 1 and 2 in FY 2022.

In FY 2022, NEWMOA staff participated in monthly virtual meetings of the West Coast Climate and Materials Management Forum to share information, learn about their efforts, and discuss opportunities for collaboration.

## Webinars

- “Achieving Net Zero GHGs in the Solid Waste Industry” for 319 attendees.  
*Presenters:* Anne Germain, NWRA; Abbie Webb, Casella; Evan Edgar, Edgar and Associates, Inc.  
*Recording & slides:* <https://www.newmoa.org/event/achieving-net-zero-ghgs-in-the-solid-waste-industry/>.
- “Purchasing Specifications for Low Carbon Concrete” for 236 attendees.  
*Presenters:* Jordan Palmeri, Oregon DEQ; Kate Simonen, University of Washington; Dorian Bailey, the Port Authority of New York and New Jersey.  
*Recording & slides:* <https://www.newmoa.org/event/purchasing-standards-for-low-carbon-concrete/>.

## Household Hazardous Waste

Leftover household products that can catch fire, react, or explode under certain circumstances, or that are corrosive or

toxic are classified as household hazardous wastes (HHW). Products, such as oil-based paints, certain cleaners, oils, batteries, and pesticides can contain hazardous ingredients and require special care. Improper disposal of HHW can include placing them in the trash or pouring them down the drain, on the ground, and into storm sewers. If handled incorrectly, these wastes can pollute the environment and pose threats to human health. State environmental agencies provide support for local programs that are designed to properly collect and manage HHW.

## HHW Workgroup

NEWMOA and NERC supported a regional HHW Workgroup in FY 2022 to provide a forum for sharing information and strategies for addressing common issues. Emerging waste issues that states are facing include lithium ion (Li-ion) batteries, small gas cylinders, and vaping devices. The Workgroup of 15 members met 2 times in FY 2022 for an average of 12 participants per meeting. Mia Roethlein, Vermont DEC chaired the Workgroup in FY 2022.

## Disaster Debris Management

Safe, proper, and timely management of debris generated during a disaster is an essential component of emergency response. Disaster debris must be properly handled to protect human health, comply with regulations, conserve disposal capacity, reduce injuries, reuse and recycle as much material as appropriate, and minimize or prevent environmental impacts. This requires advanced planning and coordination among individuals at various levels of government and the private sector with expertise in waste management.

## Disaster Debris Workgroup

This past year NEWMOA's Disaster Debris Management Workgroup, which includes 30 representatives of state and federal environmental and state emergency management agencies, met once

with 10 participants, to share information, leverage resources, and promote strategies that work for local communities.

## Construction & Demolition (C&D) Materials

Construction and demolition (C&D) materials makeup a large and diverse waste stream, and options for recovering and recycling these materials remain a significant challenge across the northeast. Historically, most C&D wastes were disposed of in landfills. However, landfill disposal capacity is shrinking in the northeast, management and disposal costs are rising, and there is significant public opposition to the siting of new landfills. Consequently, state programs are focused on increasing C&D materials diversion and recycling.

### C&D Materials Workgroup

NEWMOA supported a Workgroup of 17 state agency members that met twice in FY 2022, for an average of 11 participants per meeting, to share information about state efforts to increase C&D materials diversion and recycling and to discuss improving regional options for gypsum wallboard waste management. NERC members joined NEWMOA's Workgroup in FY 2022, and the group transitioned to a joint effort. The Workgroup discussed plans for a webinar series in 2023 and a regional meeting to bring gypsum wallboard stakeholders together to develop strategies to increase diversion and recycling. Mike Elliot, MassDEP chaired the Workgroup in FY 2022.

### Solid Waste Landfills

There are a number of operating solid waste landfills in the northeast and thousands of closed sites. Many of the closed landfills are municipally-owned, are unlined, and stopped receiving waste after state agencies imposed modern construction and operating requirements over 30 years ago. Overseeing operating landfills and the large universe of closed landfills presents a significant challenge for state environmental programs.



## STARTING THE CLEARINGHOUSE FOR EXTENDED PRODUCER RESPONSIBILITY ADMINISTRATION (CEPRA)

In 2022, under contracts with PaintCare and the Mattress Recycling Council (MRC), NEWMOA identified opportunities for interstate coordination activities that could support and enhance their programs. The Projects' goal was to develop options for possible interstate collaboration in support of administration of state paint and mattress EPR programs in the northeast. NEWMOA convened the officials from states with paint and mattress EPR laws in the region to prepare papers covering these options and to select one for implementation. As a result of these discussions, a few states decided to start a Clearinghouse for Extended Producer Responsibility (CEPRA). This Clearinghouse was under discussion throughout FY 2022. In FY 2023, NEWMOA will work with the states that are interested in launching CEPRA to solicit membership, create the governance structure and operations, determine the membership dues structure and annual budget, and identify initial projects.

## PROPERLY MANAGING CLOSED LANDFILLS IN NORTHERN NEW ENGLAND

NEWMOA initiated a Project with agencies in rural areas of northern New Hampshire and Vermont to provide support and training to improve the management of closed landfills. Closed landfills are a long-term liability for municipalities because they can cause contamination of water resources, generate methane gas that can migrate, and present physical hazards. Many towns have more than one closed landfill and many residents and town officials do not know the location of all of them.

The goal of the FY 2022 Project was to raise awareness of closed landfills, the potential hazards they present, and improve their management. NEWMOA worked with officials in New Hampshire and Vermont to develop state-specific guides to best management practices and requirements for closed landfills to provide municipal officials with the basic information they need to understand the issues and their responsibilities. To further assist municipalities, NEWMOA developed a checklist that they can use when conducting an inspection at a closed landfill and a different checklist for municipal officials to remind them of the activities that should be conducted annually. After these three documents are published in FY 2023, NEWMOA will conduct outreach and training of municipal officials.

For more information, visit: <https://www.newmoa.org/projects/closed-landfill-project/>.

### Solid Waste Landfills Workgroup

NEWMOA's Solid Waste Landfills Workgroup, which consists of 16 state members, met twice in FY 2022 for an average of 10 participants per meeting, to share information and strategies for controlling leachate and gas management at operating landfills. Kasey Kathan, Vermont DEC chaired the Workgroup in FY 2022.

### Medical Waste Management

Medical waste is a subset of solid wastes that are generated at health care facilities, such as hospitals, physicians' offices, dental practices, blood banks, and veterinary hospitals/clinics, as well as medical research facilities and laboratories. Medical waste may be contaminated by blood, bodily fluids, or other potentially infectious materials and is often referred to as regulated medical waste.

### Medical Waste Workgroup

NEWMOA's Medical Waste Workgroup of 22 members met once in FY 2022 (10 participants) to share information and resources. Mark Dennen, Rhode Island DEM chaired the Workgroup in FY 2022.

### Municipal Solid Waste (MSW) Data

For many years, NEWMOA has supported state programs in the region in their efforts to understand the generation and movement of MSW that is disposed of. In FY 2022, NEWMOA supported a Solid Waste Metrics Workgroup of 13 members. While the Workgroup did not meet in FY 2022, the NEWMOA staff worked closely with its members to gather data on MSW that was generated in 2020 and shipped for disposal. NEWMOA will compile the results into a presentation for posting in FY 2023.

## Coordination of Programs Within EPA Region 2

NEWMOA helped to facilitate two information-sharing virtual meetings with solid waste and SMM managers and staff from EPA Region 2 and the environmental agencies in New Jersey, New York, Puerto Rico, and the Virgin Islands. These meetings, one of which was full-day, provided an opportunity for in-depth updates and coordination on such topics as food waste, various EPA initiatives, disaster debris planning, and product stewardship. The meetings involved an average of 30 participants.

During 2022, NEWMOA focused on a wide range of topics and reached a large audience with cutting edge information and resources. Through these efforts and those of our members, we are advancing sustainable materials management. We still face many challenges, but working together we can make progress toward solving our solid waste issues in the coming years.



# Hazardous Waste Management Programs



**TOM KILLEEN**

New York State  
Department of  
Environmental  
Conservation  
  
2022 NEWMOA  
Hazardous Waste  
Program Chair

“The NEWMOA webinars have been extremely helpful. As a new inspector, I have gained general, as well as in-depth knowledge of a diverse number of subjects. I especially appreciate learning what other states are doing and how they approach challenges.”

Overall, discussions among NEWMOA’s hazardous waste program officials throughout FY 2022 focused on training for new RCRA program staff on a wide range of topics, proposed changes to EPA’s e-Manifest system, and ongoing problems with hazardous waste incinerator capacity and associated waste backlogs.

NEWMOA conducted a survey of state participants in NEWMOA’s FY 2022 Hazardous Waste activities, and 96 percent of the respondents stated that they use the information they learned from those activities in their work. Respondents noted that they apply the knowledge they gained from participating in NEWMOA’s HW activities in the following ways:

- Directly when performing inspections and/or providing information to the general public and/or regulated community
- Bring it back to staff; use it in policy setting and technical work
- Compliance assistance to residents and businesses

NEWMOA’s Hazardous Waste Program Steering Committee of 16 members met 5 times in FY 2022 to oversee NEWMOA’s HW activities, prepare a comment letter to EPA on proposed changes to the e-Manifest system, and share program developments.

## Training

NEWMOA’s Hazardous Waste Training Workgroup of 21 members met 5 times in FY 2022 planning virtual training sessions for HW program staff and providing oversight on training activities. To select its priority training topics, NEWMOA conducted a survey of the Workgroup members and used the results to prioritize training topics. Mark Dennen, Rhode Island DEM Chaired the Workgroup in FY 2022.

Throughout FY 2022, NEWMOA conducted virtual training through regular information-sharing roundtables and presentations focused on:

- Compliance Assistance Methods (59 attendees)

## 2022 HAZARDOUS WASTE (HW) PROGRAM AT-A-GLANCE

**969 attendees in 13 training and information-sharing webinars** on key hazardous waste topics.

**16 members in NEWMOA’s Hazardous Waste Steering Committee;** the group met 5 times to plan activities and to prepare a comment letter to EPA on the e-Manifest system.

**21 members in NEWMOA’s Hazardous Waste Training Workgroup;** the group met 5 times to plan training events.

**12 members in NEWMOA’s Hazardous Waste Permit Writers Workgroup;** the group met once to share information.

**16 members of NEWMOA’s Hazardous Waste Regulatory Adoption and Authorization Workgroup;** the group met 3 times to share information and resources.

- Addressing the Backlog of HW Shipments to HW Incinerators (67 attendees)
- Impacts of the Pandemic on Generators of HW (71 attendees)
- Analytical Reports Covering HW and Safety Data Sheets (83 attendees)
- E-manifest Data Quality (100 attendees)
- Hazardous Waste Compatibility Challenges (73 attendees)



- Preventing and Addressing Hazardous Waste Speculative Accumulation Challenges (87 attendees)
- RCRA 101: Preparing for an Effective HW Inspection (80 attendees)
- RCRA 101: Conducting a HW Inspection (74 attendees)
- RCRA 101: Post Inspection Follow-up (64 attendees)
- RCRA 101: Deciding What Level of Enforcement to Pursue (63 attendees)
- RCRA 101: Introduction to Land Disposal Restrictions (LDR) (81 attendees)
- RCRA 101: Roundtable on LDR Enforcement Cases (67 attendees)

These training events were for state and EPA officials that are involved in hazardous and other waste programs in the northeast.

## HW Regulation Adoption & Authorization Workgroup

NEWMOA's Workgroup focused on sharing information and lesson learned among state hazardous waste program staff involved in drafting regulations for adoption and authorization to help inform their regulations and their ability to succeed with obtaining EPA authorization. The Workgroup of 16 members includes state regulatory staff only; they met 3 times. Ross Bunnell, Connecticut DEEP Chaired the Workgroup in FY 2022.

## Permit Writers Workgroup

NEWMOA's HW Permit Writers Workgroup of 12 state and EPA members provides permit writers with an ongoing regional forum to share information and discuss ways to address challenges. Most state agencies have only a few staff that are involved in writing RCRA Treatment Storage and Disposal Facility (TSDF) permits, and the members of the Workgroup learn from each other, particularly as states prepare for the retirement of senior program staff with the associated loss of their substantial expertise. In FY 2022, NEWMOA convened the Workgroup for one meeting, and the participants shared information on the

## CONTINUOUS IMPROVEMENT

Process improvement approaches, such as Lean, help organizations identify and eliminate unnecessary and non-value-added process steps and activities that have built up over time. All the state and federal environmental agencies in the northeast are using Lean or other similar continuous improvement methods to reduce the time needed in their permitting, enforcement, financial management, data gathering and management, administrative reviews, grants and contracts, and other activities. These agencies have found that various process improvement methods enable them to understand how their activities are working and to make adjustments that optimize outcomes.

**Workgroup:** In FY 2022, NEWMOA convened its Continuous Improvement Workgroup (formerly called the Lean Practitioners Workgroup) of about 25 members from the northeast states and EPA twice to help them learn from each other and exchange resources.

**Webinar:** The continuous improvement staff at RI DEM mapped the Agency's hiring process and identified opportunities for improvement. During this webinar for 12 participants, DEM presented their results to date. Presenters included Sam Kaplan and Michaela Brockmann, RI DEM.

## ENVIRONMENTAL JUSTICE

State agencies have launched new environmental justice (EJ) initiatives that affect the ways in which they undertake many of their basic functions. NEWMOA's EJ Workgroup of 30 people helps state and federal programs work together to help create environmental justice at every level.

**Workgroup:** The mission of NEWMOA's Environmental Justice Workgroup is to support state efforts to develop and implement a variety of EJ initiatives and strategies. In addition to state officials, who are actively involved in EJ initiatives, the group includes representatives from EPA Regions 1 and 2, the Northeast States for Coordinated Air Use Management (NESCAUM), the New England Interstate Water Pollution Control Commission (NEIWPC), and NERC. The Workgroup of 28 members met 3 times in FY 2022 for an average of 16 participants per meeting.

**Webinar:** This webinar was co-sponsored by NEWMOA, NERC, NESCAUM, and NEIWPC for 34 attendees. The speakers provided a live presentation on the Massachusetts Environmental Justice (EJ) Mapping Tool, which was developed and is maintained by the Department of Public Health (DPH). Presenters included Sharon Lee and Glennon Beresin, Mass DPH.

status of their various TSDF permits and the challenges they are facing with finalizing some of the more complex ones.

The work by the Hazardous Waste Program over FY 2022 has provided the individual state programs with

valuable insight into key program areas. Continuation of training workshops geared to assist new hazardous waste personnel and to provide refreshers for veteran personnel have proven timely in the transfer of institutional knowledge within and across the state programs.

# Confronting PFAS Challenges



**TERRI GOLDBERG**

2022 NEWMOA  
Executive Director

“NEWMOA is providing an excellent forum for states to come together to work on PFAS issues.”

**P**er- and polyfluoroalkyl substances or PFAS are a large class of chemicals that have been used in numerous consumer products and industrial processes due to their oil and water-resistant properties and their exceptional stability. These products include carpet and fabric protection, textiles, food and other packaging, aqueous film-forming foams (AFFF) used for firefighting, personal care products, ski and other waxes, and many more. The same properties that make PFAS so useful in consumer and other products and for firefighting make them challenging to remove from soil and water.

Many communities in the northeast have drinking water systems that are impacted by PFAS. According to the Agency for Toxic Substances and Disease Registry (ATSDR), research involving humans suggests that high levels of certain PFAS may lead to the following: increased cholesterol levels, decreased vaccine response in children, changes in liver enzymes, increased risk of high blood pressure or pre-eclampsia in pregnant women, small decreases in infant birth weights, and increased risk of kidney or testicular cancer. Understanding PFAS' sources, fate and transport, and remediation and treatment options to meet state and federal drinking water guidelines is challenging.

NEWMOA conducted a survey of state participants in NEWMOA's FY 2022 activities, and respondents noted that they apply the knowledge they gained from participating in NEWMOA's PFAS activities in the following ways:

- Learning from other states on how they are addressing PFAS in the environment to inform our approaches
- Helpful in figuring out what to do about PFAS, and implementing our new state law regulating PFAS in certain materials

## 2022 PFAS ACTIVITIES AT-A-GLANCE

**540 attendees** at a Northeast Science of PFAS Conference

**11 monthly information-sharing virtual meetings of the PFAS Working Group** of 85 members; averaging more than 30 participants per meeting from state agencies and EPA

**689 attendees** in a PFAS webinar

### PFAS Conference

NEWMOA partnered with NEIWPC, NESCAUM, NERC, and others to organize a “Northeast Conference on the Science of PFAS: Public Health and the Environment” involving more than 540 attendees. The goals of the Conference were to:

- Ensure that local, state, and federal action to address PFAS contamination is informed by the most current and reliable science
- Facilitate networking and information-sharing among key stakeholders on PFAS topics
- Identify important gaps in the science and policy to help inform future research

The Conference took place in April 2022 at the Best Western Royal Plaza Hotel and Trade Center in Marlborough, MA. The Conference had 110 presentations in 5 concurrent tracks covering:

- Environmental behavior
- Sampling and analysis
- Toxicity and environmental health
- Treatment and remediation
- Uses and alternatives

In addition, there were many sponsors, exhibitors, and poster presentations.

## SOLUTIONS TO PFAS CHALLENGES

Per- and polyfluorinated substances (PFAS) are a large class of chemicals that have been used in numerous products and industrial processes due to their oil and water resistant properties and their stability. These products include carpet and fabric protection, food packaging, aqueous film-forming foams (AFFF) used for firefighting, personal care products, and many more.

PFAS are long lasting chemicals, components of which do not break down over time and are commonly called, "forever chemicals." According to EPA, PFAS are found world-wide in the environment, wildlife, and humans. Because of their widespread use and their persistence, many PFAS are present at low levels in a variety of food products. PFAS are found in water, air, fish, and soil at locations across the nation. Numerous communities in the Northeast have drinking water systems that are impacted by PFAS. These compounds:

- Are very persistent in the environment
- Are found both in the environment and in the blood of the U.S. population and animals
- Remain in people for a very long time
- Can cause adverse health effects
- Are bioaccumulative in wildlife and humans

According to the Agency for Toxic Substances and Disease Registry (ATSDR), many studies have examined the relationship between levels of PFAS in blood and harmful health effects in people. Research involving humans suggests that high levels of certain PFAS are linked to:

- Decreased vaccine response in children
- Changes in liver enzymes
- Increased risk of high blood pressure or pre-eclampsia in pregnant women
- Small decreases in infant birth weights
- Increased risk of kidney or testicular cancer

**NEWMOA's Actions to Address PFAS**

NEWMOA has actively worked to address PFAS problems in the Northeast since 2015, including organizing a Science of PFAS Conference, providing training, holding meetings, facilitating Workgroups, and supporting research.

NEWMOA is an equal opportunity provider and employer  
Visit: [www.newmoa.org](http://www.newmoa.org) | <https://toxicpackaging.org/> | Phone: (617) 307-8558 | TDD/TTY: (877) 265-3934

and collaborating on PFAS reduction, with the goal of learning from but not replicating work being done around the country. The Workgroup focuses on prevention and safer alternatives for replacement products in current use. This Workgroup involves IC2, Members and Supporting Members. Visit: [www.ic2.org](http://www.ic2.org)

**NEWMOA's Toxics in Packaging Clearinghouse (TTPH)** program supports model legislation that addresses toxic chemicals in packaging. In February 2021, the TTPH announced the organization's 2021 update to their Model Toxics in Packaging Legislation, which includes the addition of the class of PFAS as well as new processes and criteria for identifying and regulating additional chemicals of high concern in packaging. TTPH supports member states with implementing the model legislation. Visit: <http://toxicpackaging.org/>

**Alternatives Assessment (AA) for Aqueous Film Forming Foams (AFFF)**

In 2020 and 2021, the IC2 collaborated with researchers at the Lowell Center for Sustainable Production (LCSP) and the Toxics Use Reduction Institute (TURI) on a research project to strengthen and build consistency in the methodologies used to identify, evaluate, and compare alternatives to PFAS-containing AFFF fire-fighting foams with the goal of minimizing vegetable substitutions when switching away from a specific substitutional concern. IC2 assisted the Project with a focus on understanding lessons learned from development, commercialization, and adoption of safer alternatives to AFFF, including barriers and enabling factors. This Project was funded by the Department of Defense (DOD). The IC2's Alternatives Assessment (AA) Guide (v 1.1) helped to inform the work on the Project. A final project report and supporting materials should be available in 2022.

**NEWMOA**  
NORTHEAST WASTE MANAGEMENT OFFICIALS ASSOCIATION  
Leading the Northeast to a Sustainable, Waste-Free Future

NEWMOA is a non-profit, non-partisan, interstate association whose membership is comprised of the state environment agency programs that address pollution prevention, waste reduction, sustainable materials management, hazardous waste, solid waste, emergency response, water cleanup, underground storage tanks, and related environmental challenges in Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, and Vermont.

NEWMOA provides a strategic forum for effectively solving environmental problems through collaborative regional initiatives that address pollution prevention and sustainable practices, safe alternatives to toxic materials in products, and other waste management concerns. facilitate adaptation to climate change, manage greenhouse gas sources, promote reuse and recycling of waste, and divert

If you agree, support proper management of hazardous and solid wastes, and facilitate clean-up of contamination related to the environment.

NEWMOA achieves its goals by:

- Fostering Collaboration and Information-Sharing
- Training Environmental Professionals
- Monitoring and Auditing Data
- Conducting Research
- Identifying and Assessing Emerging Contaminants
- Encouraging state and federal agency Innovation and Harmonizing Policy
- Supporting Local Initiatives

PFAS Fact Sheet.

Participants in the Conference reported that they will:

- Use [the information] in site cleanup and communicating risk to potential citizens impacted by PFAS
  - Provide to other department members to assist with PFAS monitoring requirements
  - Provide clients with more information on “compostable products,” drinking water, and leachate monitoring
  - Better understand method detection limits and reporting limits, especially useful with evaluating lab reports
  - Help clients navigate PFAS at their sites and complete investigations efficiently and affectively
  - Use the information to apply to my Superfund sites that have or have the potential for PFAS contamination across various media
  - Work to address PFAs in products using the information from P2 approaches, alternatives, risk communication
- More information: <https://www.newmoa.org/programs/pfas/>.

**States/EPA PFAS Working Group**

To support state efforts to understand and address this important issue, NEWMOA has facilitated virtual meetings of a PFAS States and EPA Working Group since 2016. The Working Group includes approximately 85 members from state

agencies and EPA Regional offices. In FY 2022, the group held 11 information-sharing virtual meetings with 24 to 40 participants each. The meetings provide a forum for members to share updates on efforts to understand the sources of PFAS in the environment, to control them, and to cleanup areas that are contaminated.

In addition to the meetings of the larger Working Group, NEWMOA held several virtual information-sharing meetings of two smaller states-only groups: one focused on protection of groundwater from leaching of PFAS from soil/biosolids and the other on the myriad off issues that arise from transitioning firefighting away from the use of aqueous film forming foams (AFFF).

**PFAS Webinars**

In FY 2022, NEWMOA held a public webinar on “Solidification/Stabilization to Manage PFAS in Soil and Landfill Leachate” for 689 attendees.

*Presenters:* Johnsie Lang, Arcadis; Paul Ruehl, Holcim; Yanna Liang, University of Albany.

*Slides:* <https://www.newmoa.org/event/solidification-stabilization-to-manage-pfas-in-soil-landfill-leachate/>.



# Waste Site Cleanup Challenges



**TRISH COPPOLINO**

Vermont  
Department of  
Environmental  
Conservation  
  
2022 Waste Site  
Cleanup Program  
Area Chair

“The meetings and Workgroups are very important.”

Overall, discussions among waste site cleanup program officials in the region in FY 2022 focused on impacts of the retirements of long-term waste site cleanup program staff, PCBs in buildings, and PFAS and other emerging contaminants.

NEWMOA conducted a survey of state participants in NEWMOA's FY 2022 Waste Site Cleanup (WSC) activities, and 100 percent of the respondents indicated that they use the information they learned from those activities. Respondents stated that they apply the knowledge they gained from participating in NEWMOA's WSC activities in the following ways:

- Learning how other states are addressing different issues is an enormous help, especially having the opportunity to discuss and ask questions
- Helps me consider ways to improve my state's policies
- Increased my general knowledge and informed me as to what nearby states are doing

## Brownfields

Cleaning up and redeveloping brownfields facilitates job growth, increases local tax bases, utilizes existing infrastructure, and improves the environment – a win, win, win, win.

## Regional Summit

NEWMOA held a “Revitalizing New England: Brownfields Summit 2022” to bring together more than 300 key stakeholders in the region to advance the understanding of state and federal brownfield programs and opportunities. NEWMOA worked with the Technical Assistance to Brownfields Programs at the New Jersey Institute of Technology [now at the University of Connecticut], state and federal partners, and sponsoring companies to organize the regional Summit. The goals of the Summit were to:

- Share information about the financial incentives, liability protections, and technical and other assistance available for brownfields development from federal and state governments

## 2022 WASTE SITE CLEANUP (WSC) PROGRAM AT-A-GLANCE

**300 attendees at a regional Brownfields Summit**

**397 attendees** in 2 webinars on PCBs in Indoor Air and 2 on Contamination in Bedrock

**19 Workgroup or Committee meetings** to plan NEWMOA's waste site cleanup activities and the PFAS Conference and Brownfields Summit

**16 members of the Cross Program** – WSC and Solid Waste – Soil Reuse Workgroup

**One Brownfields Programs meeting** involving 38 state programs and EPA Region 1 participants

- Promote best practices and lessons learned across states and programs
- Provide an opportunity to increase networking in the region and information-sharing among key stakeholders
- The Summit took place in May 2022 at the Devens Common Center in Devens, MA. The two-day Summit included plenary and break-out sessions and exhibits. Participants in the Summit reported that they will use the information they learned:
  - Bring more financial resources into our 1800s industrial revolution communities
  - Work on brownfield land bank, capital stacking, tax credits, and apply insights on new Brownfields programs
  - Understand many different routes of using resources in regard to Brownfields terminology, government programs, and more and expanded what I thought I knew prior to the event; will use what I learned in my research
  - Incorporate lessons learned into site investigation and remediation





## SOIL REUSE

Construction, utility, brownfields, and waste site cleanup projects can generate significant quantities of excess soil that cannot be reused at the project site and can contain detectable levels of contaminants that are below the standards for hazardous waste but may pose groundwater or human contact risks. The management of these mildly contaminated soils can significantly increase the costs of construction or remediation projects, thereby impacting economic development.

**Workgroup:** NEWMOA's Waste Site Cleanup Program partners with its Solid Waste Program to improve the management and reuse of excess soil. In FY 2022, the 16 member Soils Reuse Workgroup held a virtual meeting of 13 participants to share program updates and to review NEWMOA's "Soil Reuse: State Information Resource" webpage (<https://www.newmoa.org/projects/soil-reuse-state-information-resource/>). A member of the Workgroup reported on NEWMOA's annual survey that "the discussions with other states helps my state brainstorm what might work in our state. It's important to be able to learn what has worked, what has not worked, the legislative complications, and other barriers we need to think of."

- Made lots of connections got a chance to speak with old contacts  
More information: <https://www.newmoa.org/programs/waste-site-cleanup/>.

### Annual Brownfields Meetings

For more than 16 years, NEWMOA has supported a Brownfields Workgroup, which plans an annual States/EPA Brownfields Programs meeting. In November 2021, 38 officials from EPA Region 1 and the New England states' agencies met virtually to share program updates and discuss program challenges. Nick Hodgkins, Maine DEP Chaired the Workgroup in FY 2022.

### Training

In addition to the Brownfields Summit, NEWMOA's Waste Site Cleanup Program focused on conducting training for state staff, consultants, and others.

### Annual Conference at UMass

Each year NEWMOA staff participate in the Advisory Group that organizes the Annual Association for Environmental Health and Sciences (AEHS) Foundation "International Conference on Soil, Water, Energy, and Air" held each October. Since 2017, NEWMOA has led the effort to organize a track focused on PFAS. In addition, in FY 2022, NEWMOA organized and facilitated a session on the top priorities of six state programs for the October 2021 event held virtually. This session was attended by about 75 people.

### Webinars

NEWMOA organized four webinars on various waste site cleanup topics (other than PFAS – see above) for state and federal officials, consultants, vendors, non-governmental organizations (NGOs), and

- others in the private sector in FY 2022.
- "Overcoming Fractured Bedrock Investigation Challenges" (149 attendees):  
*Presenters:* Derek Pizarro and Bill Brab, AST Environmental.  
*Slides:* <https://www.newmoa.org/event/overcoming-fractured-bedrock-investigation-challenges-webinar/>.
- "Leveraging Your CSM to Develop Successful Bedrock Remediation Approaches: Concepts and Case Studies" (92 attendees).  
*Presenters:* Chapman Ross, FRx; Lea Mackinnon and Julie Konzuk, Geosyntec Consultants.  
*Slides:* <https://www.newmoa.org/event/leveraging-your-csm-to-develop-successful-bedrock-remediation-approaches-concepts-case-studies-webinar/>.
- "Indoor Air Impacts from PCBs in Building Products: Why it Matters and How to Properly Collect Air Samples" (87 attendees)  
*Presenters:* Trish Coppolino, VT DEC; Jim Occhialini and Will Elcoate, Alpha Analytical; Keri Hornbuckle, University of Iowa.  
*Slides:* <https://www.newmoa.org/event/indoor-air-impacts-from-pcb-in-building-products-why-it-matters-how-to-properly-collect-air-samples-webinar/>.
- "Indoor Air Impacts from PCBs in Building Products: Determining and Remediating the Source(s)" (69 attendees)  
*Presenters:* Timothy Snay, Sanborn Head and Associates; Dan Soultanian, U.S. Ecology.  
*Slides:* <https://www.newmoa.org/event/indoor-air-impacts-from-pcb-in-building-products-determining-remediating-the-sources-webinar/>.

2022 was a landmark year for NEWMOA's Waste Site Cleanup Program with the successful Brownfields Summit and important webinars. NEWMOA looks forward to holding a second, even better Brownfields Summit in 2024.

# The Interstate Chemicals Clearinghouse (IC<sub>2</sub>)



**SASKIA VAN BERGEN**

State of Washington  
Department of  
Ecology  
2022 IC<sub>2</sub>  
Board Chair

“Things are really good – it would be nice to have an in-person gathering at some point.”



IC<sub>2</sub> Report.

In FY 2022, the IC<sub>2</sub> supported a major data system while continuing to facilitate its Workgroups, Board, and Council; maintain and update its other databases; and hold webinars.

NEWMOA conducted a survey of IC<sub>2</sub>'s members on FY 2022 activities, and 70 percent of the respondents indicated that they use the information they learned from those activities. Respondents reported that they apply the knowledge they gained from participating in IC<sub>2</sub>'s activities in the following ways:

- Networking and ideas for projects and innovations
- Administration of PFAS laws

IC<sub>2</sub>'s Executive Committee met virtually 18 times in FY 2022. The Committee planned and held four virtual Board meetings and organized and held three IC<sub>2</sub> All Member (Council) virtual meetings. During these meetings, the IC<sub>2</sub> membership oversaw the work of the Clearinghouse and shared updates and information. The IC<sub>2</sub> welcomed (back) Maine DEP and looks forward to collaborating with them.

## NYSDEC Support

IC<sub>2</sub> staff participated in seven virtual meetings with NYSDEC staff to support the Agency's efforts related to chemicals in product reporting for cleansing chemicals, children's products, and products containing 1,4-dioxane. Additional activities conducted by IC<sub>2</sub> staff included:

- Responding to requests for information on other states' chemical in products reporting rules and regulations.
- Reviewing technical specifications related to NYSDEC's 3rd party payee system.
- Meeting with a NYSDEC staff/liason to scope out the process for defining and addressing DEC's information technology systems and security requirements.
- Helping with onboarding and knowledge transfer to new staff on HPCDS.
- Preparing and submitting the FY 2023 IC<sub>2</sub> Workplan and NYSDEC contract and other required paperwork.

## Training

Training IC<sub>2</sub>'s members on current technical, policy, and programmatic issues in alternatives assessment, green chemistry, ingredient disclosure, and toxics use reduction policy is an IC<sub>2</sub> priority. The Clearinghouse offers topical webinars several times per year. It also convenes roundtables, which provide an opportunity for each jurisdiction or organization to share updates on new policies, legislation, activities, tools, and research.

## Webinars

The IC<sub>2</sub> held three webinars for members in FY 2022.

- “Consideration of Tribal Lifeways and Treaty Protected Resources in TSCA risk Evaluations” for 28 IC<sub>2</sub> member attendees.

*Presenters:* Dianne Barton, Susan Hanson, and Lynn Zender, representing the National Tribal Toxics Council.

## 2022 IC<sub>2</sub> PROGRAM AT-A-GLANCE

**14 state and local government Members; 15 Supporting Members**

**3 online databases**

**105 companies** using the High Priority Chemicals Data System (HPCDS) to report to Oregon and Washington on toxic chemicals in children's products

**137 members** attending 3 webinars

**11 IC<sub>2</sub> e-Bulletins** shared with 150 people each

**8 active Workgroups or Committees** focused on databases, PFAS, equity, alternatives assessment, procurement, TSCA, and governance involving about 120 people

**4 IC<sub>2</sub> Board and 3 All-Member virtual meetings**



## NEW AWARDS PROGRAM IN HONOR OF KEN ZARKER, WA ECOLOGY

The IC2, in collaboration with CA DTSC, WA Ecology, ChemFORWARD, and the Lowell Center for Sustainable Production (LCSP), initiated development of an award to support early career professionals working to advance safer alternatives and green chemistry principles and practices in honor of Ken Zarker, previously of WA Ecology. Ken, a leader in the field of pollution prevention (P2) and toxics use reduction, passed away in 2021. The award will subsidize the costs for students and young professionals to attend green chemistry, P2, or alternatives assessment conferences. Ken was an IC2 founding member, leader and long-time National Pollution Prevention Roundtable (NPPR) leader. His work over many decades on toxics use reduction and P2 made significant, positive impacts. Ken was a past Chair of the IC2 Board and the IC2 Governance Workgroup for many years. Ken's sudden passing was deeply felt among the IC2 community. The IC2 plans to begin raising the funds and awarding scholarships in 2023.

- “PFAS in Beauty Products: A Credo Beauty Presentation” for 61 IC2 member attendees.  
*Presenters:* Christina Ross of Credo Beauty; Annaleise Conway of Integral Consulting.
- “Healthy Building Network’s HomeFree, Partnering for a Toxic-Free Built Environment: Strategies, Case Studies, and Tools” for 48 IC2 member attendees.  
*Presenters:* Nsilo Berry, Roberto Valle Kinloch, and Simone Early representing HomeFree

### Roundtables

In 2022, IC2 held two all member roundtables for an average of 35 people, which provided an opportunity for members to each share what initiatives their organizations are working on currently, and to ask questions of fellow members regarding their work. One of the roundtables held in 2022 focused on equity and EJ work occurring in member organizations.

## Alternatives Assessment (AA)

Many state and local environmental agencies want to minimize the negative effects associated with toxic chemicals use while encouraging the viability and growth of the companies that employ their citizens and support the health of their economies.

Individual states and local agencies have their own policies, regulations, and/or technical assistance uses for the information obtained from an AA. IC2’s goal is to promote a consistent process that allows programs to use each other’s studies to minimize duplication and maximize dissemination of valuable information on safer alternatives to chemicals of concern.

### AA Workgroup

IC2’s AA Workgroup of 32 members met 4 times in FY 2022 to share successes and challenges with an average of 8 participants. The group supports the IC2 Chemical Hazard Assessment Database (CHAD), which includes GreenScreen assessments (<https://theic2.org/hazard-assessment#gsc.tab=0>). Pam Eliason, MA Toxics Use Reduction Institute, Chaired the Workgroup in FY2022.

The IC2 supported the Association for the Advancement of Alternatives Assessment (A4) as a member in 2022. The A4 is a professional association dedicated to advancing the science, practice, and policy of AA and informed substitution. IC2 staff participated in 4 A4 meetings and events.

### Update to IC2 AA Guide

In FY 2022, WA Ecology contributed staff resources to assist IC2 in updating its Alternatives Assessment Guide (which was last updated in 2017). The process began with multiple IC2 meetings exploring the areas of the Guide that may need updating and/or expansion. Sections of the AA Guide being considered for an update include the stakeholder engagement and social impact modules. IC2 is also re-evaluating the use of the Quick Chemical Assessment Tool (QCAT) and considering adding language to the introduction/scope



to acknowledge the impact of chemicals/materials selection on climate change. This process will continue into FY 2023 and FY2024.

## Databases

In FY 2022, the IC2 supported its High Priority Chemicals Data System (HPCDS), which provides an online portal for manufacturers to report on the presence of high priority chemicals in products. The HPCDS facilitates greater efficiency and cost effectiveness for Oregon and Washington to fulfill the requirements under their children's products disclosure laws. It reduces reporting burdens and provides better service for manufacturers; increases opportunities for interstate involvement in data analysis and presentation; improves access to data for federal, state, local, and non-governmental stakeholders; and enhances the sharing of reported information with the public.

Throughout 2022, the IC2 administered and maintained the HPCDS. As part of these efforts, the IC2 provided ongoing technical support to manufacturers and state agency HPCDS users. To facilitate the use of the System in the future by the Vermont Department of Health, IC2 documented Vermont's requirements for HPCDS enhancements. IC2's information technology contractor, Eastern Research Group (ERG), has provided support for the HPCDS under the supervision of IC2 staff and members.

IC2 staff organized and/or participated in 26 IC2/states meetings focused on HPCDS operations in FY 2022. IC2 staff also provided:

- Ongoing technical support to manufacturers and state administrative HPCDS users.
- Oversight of IT contractor work on enhancements to the HPCDS to improve reporting capabilities.
- Support for compiling Vermont's requirements for HPCDS enhancements.
- Assistance with negotiating a contract with the Vermont Department of Health.
- Help with sharing information about the

HPCDS with advocates from California regarding the capabilities of the HPCDS for a potential California program for PFAS disclosure.

- Support for California Department of Toxic Substances Control's (DTSC) response to the legislature on requests for cost and information regarding alignment with Maine's PFAS reporting statute.

IC2 held five meetings with Maine Department of Environmental Protection on requirements and contract scope for developing a system similar to the HPCDS for product registrations under a new law regarding PFAS in products.

## Database Workgroups

IC2 supports two workgroups that assist with the knowledgebase for the organization: an HPCDS Users Workgroup (6 members) and a Database Workgroup (18 members). These Workgroups include members from the Minnesota Department of Health (MN DoH), Oregon Health Authority, Washington Department of Ecology, Vermont Department of Health, Maine Department of Environmental Protection, New York State Department of Environmental Conservation, and others. The HPCDS Users Workgroup met on average every two weeks during FY 2022 to discuss the HPCDS and make decisions about priority upgrades and improvements.

The Database Workgroup supports all IC2's database resources on the IC2.org website, other than the HPCDS. The group met on a quarterly basis and supported the States' Chemicals of Concern Database (<http://theic2.org/chemicals-concern>), the Chemical Hazard Assessments Database (<http://theic2.org/hazard-assessment>), and the Alternatives Assessment library ([http://theic2.org/aa\\_library](http://theic2.org/aa_library)). Nancy Rice, Minnesota DoH Chaired the Database Workgroup in FY 2022.

## Equity

In 2020, IC2 identified "advancing health and environmental equity" as one of its five strategic priorities. In FY 2021, IC2

decided to launch an Equity Workgroup to help advance this priority.

## Equity Workgroup

The IC2 Equity Workgroup identifies common goals and strategies to address chemical-related environmental and health disparities. The Workgroup supports IC2 members' collaboration on Environmental Justice. This Workgroup plans to bring in and elevate voices from black, indigenous, and other people of color (BIPOC) communities, and other historically marginalized groups to help inform its priorities and strategies. The group of 19 members met 6 times during FY 2022. Farrah Fatemi, Portland Metro Chaired the Workgroup in the first half of FY 2022; Kari Sasportas, Massachusetts Office of Technical Assistance Chaired the group for the remainder.

## PFAS

As noted above, state and local health and environmental programs around the U.S. are focused on reducing contamination of drinking water, groundwater, soil, and other environmental media by PFAS. IC2 is particularly interested in reducing the sources of PFAS in consumer products, packaging, and aqueous film forming foam (AFFF).

## PFAS Workgroup

IC2's PFAS Workgroup provides a forum to discuss and collaborate on PFAS use reduction, with the goal of learning from and not replicating work being done around the country. The Workgroup focuses on prevention and safer alternatives for current uses of PFAS in products. The Workgroup of 42 members met 7 times in FY 2022 (average of 17 participants/meeting). Holly Davies, Washington DoH Chaired the Workgroup, with support from Al Innes of the Minnesota PCA.

## Collaboration on Definitions in PFAS in Packaging Laws

In May 2022, IC2 was invited to attend meetings with the Toxics in Packaging Clearinghouse (TPCH) members as

part of the work of the TPCGH Technical Testing Workgroup. This collaborative effort focused on sharing information to harmonize ten state and local governments' statutory definitions in legislation and recent laws concerning PFAS and packaging. Over the course of several months, the joint group met three times, sharing information, and discussing what else would be helpful.

## Procurement

State and local governments procure significant quantities of goods and services. Environmental and public health agencies have been working with their counterparts in state purchasing offices to ensure that state and local contracts specify toxic free alternatives where available and cost effective. Informing the development of environmentally preferable specifications and contract language is key to the success of these efforts.

### Procurement Workgroup

IC2's Procurement Workgroup supports members' advancement of low-toxicity product procurement. Specific areas of interest include:

- Understanding how patterns of chemical use inform environmentally preferable procurement.
- Facilitating state and municipal cooperation to enhance the markets for less-toxic products.
- Identifying product categories that are good targets for action.
- Sharing specification language and informing individual or joint procurement.
- Working with large vendors to harmonize green product claims with state requirements.

The Workgroup of 24 members held 4 virtual meetings during FY 2022 to share information and strategies (average of 14 participants per meeting). Jen Jackson, San Francisco Department of the Environment Chaired the Workgroup

in the first quarter of FY 2022, and Julia Wolfe, Massachusetts Operational Services Division Chaired the group for the remainder.

## TSCA

In 2020, the San Francisco Department of the Environment (SFE), an IC2 Member, began organizing a group of state and local governments with active toxics reduction programs to work together to engage in the EPA's Toxic Substances Control Act (TSCA) proceedings. SFE engaged contractor Margaret Shield to assist with tracking EPA's TSCA activities, flagging engagement opportunities, and organizing meetings. As a result, the State and Local Government TSCA Workgroup engaged with EPA staff on several of the first ten chemicals under review and developed a joint statement of high-level recommendations and requests to EPA regarding TSCA implementation. EPA Assistant Administrator Michal Freedhoff met with the group in May 2022 and committed to quarterly meetings to help participating agencies stay abreast of the many different activities occurring under TSCA.

### **NEW! TSCA State & Local Government Coordinating Workgroup**

In 2022, IC2 facilitated three meetings with IC2 member representatives from the SFE-launched national workgroup, focusing on moving this existing multi-jurisdictional TSCA group (unaffiliated) to the IC2. The group officially became an IC2 Workgroup in September 2022. The Workgroup meets monthly for general information sharing, along with another meeting each month regarding specific chemicals of concern. IC2 member governments not yet participating in the TSCA Workgroup now have the opportunity to engage in this effort. Ashley Evans, King County Washington, chaired the Workgroup.

## Outreach

In 2022, IC2 staff increased the frequency of its member outreach email newsletters (IC2 e-Bulletin) from quarterly to monthly. The nine monthly IC2 Bulletins that were each shared with about 150 members in FY 2022 provided a timely opportunity to communicate with members and included:

- Information and live links to all IC2's Workgroup meetings.
- Links to IC2 and member trainings and events.
- Member agency or organization updates, including position announcements, initiatives, and more.

Throughout 2022, IC2 staff worked with Communications via Design (CviaD), a website design contractor, to redesign and modernize IC2's website. The goals of the newly designed site will include a more robust member events page, as well as better functionality for all areas of the site, including sharing resources with members and the public. The new website will be complete in 2023.

I want to thank the Workgroup chairs and participants for their engagement, which is what makes them so impactful. The IC2 provided connections and information sharing that enabled members and supporting members to promote the use of safer chemicals and products. Meetings and webinars with staff representing state, local, and tribal governments, industry, and NGOs facilitated the sharing of diverse perspectives that inform the implementation of regulatory work, enhance public education, and encourage a market for safer chemicals and products. Thank you, Terri and the IC2 staff, for keeping us together and thank you all for your participation, contributions, and attention. For more information, visit: <http://theic2.org/>.

# The Interstate Mercury Education & Reduction Clearinghouse



**TOM METZNER**

Connecticut  
Department  
of Energy &  
Environmental  
Protection  
(CT DEEP)  
2022 IMERC

In 2022, IMERC focused on reviewing notifications, applications for alternative product and packaging labeling, reviewing phase-out exemption applications, and much more, as described below.

NEWMOA conducted a survey of state participants in IMERC's Workgroups in 2022, and 89 percent of the respondents stated that they use the information they learned from Workgroup activities. Respondents noted that they apply the knowledge they gained from participating in IMERC activities in the following ways:

- Improves understanding of how other states manage mercury-added products
- Informs discussions of labeling/notification/waivers in other product areas

## IMERC's Steering Committee

IMERC held seven all member meetings in FY 2022 for an average of eight participants to oversee IMERC's activities, discuss improvements in IMERC's review processes, and share program developments.

## IMERC's E-Filing System

Reporting through IMERC's E-filing System enables companies to comply with the Mercury-added Product Notification, Alternative Labelling, and Phase-out Exemption requirements of Connecticut, Louisiana, Maine, Massachusetts, Minnesota, New Hampshire, New York, North Carolina (autos only), Rhode Island, Vermont, and Washington. Product Notification is required for any company that sold or distributed mercury-added products into these states. Alternative Labelling Plans are required of any manufacturer unable to comply with states' standard labeling requirements. Phase-out Exemptions are required for any products subject to phase-out in applicable states that have exemption provisions. Companies file their Product Notification Forms, Alternative Labeling Applications, and Phase-out

## 2022 IMERC AT-A-GLANCE

**13 state government Members;**  
**2 Supporting Members**

**190 companies** reporting to the  
IMERC E-Filing System

**4 active Workgroups** focused on  
Notification, Labeling, Phase-out,  
and Education and Outreach

**7 All-IMERC virtual meetings**  
involving an average of 8  
participants per meeting

Exemption Applications through the System - <https://imerc.newmoa.org/Public/EnSuite/Shared/Pages/Main/Login.aspx>.

IMERC launched a modernized and searchable IMERC Mercury-Added Products Database, which presents information on the amount and purpose of mercury in products: <https://newmoa-inq.govonlinesaas.com/view/mercury-search>. Users can search the Database by company, product category, and/or mercury amount.

## Workgroups

IMERC serves as the contact point for regulated companies for notification on their mercury-added products, and submission of applications for alternative labeling and exemptions to phase-out requirements. IMERC also collaborates with state and federal agencies, NGOs, and other groups to advance mercury education and reduction efforts. Through IMERC, members share responsibilities in implementing their laws.

### Notification Workgroup

IMERC's Notification Workgroup of 8 members met 13 times for an average of 7 participants to discuss 2018 notifications, alternative labeling plans, and phase-outs. Tom Metzner, Connecticut DEEP chaired the Workgroup in FY 2022.

## Labeling Workgroup

Some IMERC-member states require product and point-of-sale labeling of mercury-added products to alert potential customers that the product contains mercury and informing them how to properly dispose of it. Companies that cannot comply with the “standard” labeling criteria required by the states, must apply for approval of an alternative labeling plan - <https://www.newmoa.org/programs/mercury-clearinghouse/imerc-guidance/product-labeling/>. IMERC’s Labeling Workgroup of nine members reviews these requests and works with the manufacturers and distributors of these products to ensure that they comply with the labeling laws.

In FY 2022, the Labeling Workgroup performed numerous compliance assurance activities, reviewing information provided on labeling compliance as part of Mercury-Added Product Notifications. IMERC staff followed up with reporters to help bring them into compliance with states’ labeling provisions. IMERC maintains a tracking system of companies that have Alternative Labeling plans and their expiration dates and follows up with companies regarding renewals. John Gilkeson, Minnesota PCA chaired the Workgroup in FY 2022.

## Phase-Out Workgroup

Many mercury-added products are banned for sale in a subset of IMERC-member states. In some instances, individual states allow companies to apply for phase-out exemptions – <https://www.newmoa.org/programs/mercury-clearinghouse/imerc-guidance/product-bans-phase-outs/>. If a company has a valid reason to continue selling a product that contains mercury, they must apply to the state(s) for a phase-out exemption. Approvals must be issued by the individual states. IMERC’s Phase-out Workgroup of seven members share information on decisions and, when appropriate, coordinate reviews and responses to the regulated community. IMERC maintains a tracking system of companies that have Phase-out

Exemptions and their expiration dates and follows up with companies regarding renewals. Peter Van Erp, New York State DEC Chaired the Workgroup in FY 2022.

Without IMERC, states would not have the resources to properly administer their vital mercury product laws. IMERC has served as a model of how states can work together to tackle large

projects of mutual concern starting with a model bill. States outside the northeast have also participated in IMERC as a means of implementing similar aspects of their mercury products law. In addition, IMERC facilitates manufacturer compliance by serving as a one-stop resource for those companies that are held responsible under the laws.

# Toxics in Packaging Clearinghouse



**JOHN  
GILKESON**

Minnesota Pollution  
Control Agency  
(MN PCA)

2022 TPCH Chair

**T**he Toxics in Packaging Clearinghouse (TPCH) maintains the Model Toxics in Packaging Legislation and coordinates implementation of state legislation, based on the Model, on behalf of its members, with the goal of promoting consistency across states. TPCH is a resource and single point of contact for companies seeking information on toxics in packaging requirements or an exemption.

## Transition

During FY 2022, The Toxics in Packaging Clearinghouse (TPCH) transitioned from fiscal management under the Northeast Recycling Council (NERC) to NEWMOA. The activities covered in this Report include those conducted starting July 1, 2021 (the beginning of NERC’s fiscal year) to September 30, 2022.

## Testing Technology Workgroup

In May 2021, TPCH formed a Workgroup to explore and research best available testing technologies for PFAS and ortho-phthalates in packaging. In FY 2022, the Workgroup continued meeting on a monthly basis, including inviting outside experts in the field of chemical testing to join their meetings to share knowledge on the current best practices for testing PFAS in packaging applications. In February 2022, the Workgroup held a meeting with more than 15 participants from multiple sectors, including business, regulatory agencies, and universities, to assist the Workgroup



in gathering data on sample preparation and analytical testing methods for PFAS in packaging materials, working toward the goal of TPCCH sharing guidance with manufacturers and retailers for testing their product packaging for PFAS relative to the requirements of the updated model legislation (and directly related to states that pass updated or new laws utilizing language from the model legislation update). This meeting involved CA DTSC, CT DEEP, MN PCA, NYSDEC, RI DEM, SGS, Eurofins, University of CT, and WA Department of Ecology. The Workgroup plans to share resources and the results of the discussions with outside entities and its guidance, likely early in 2023.

This work is especially important given the enactment of laws addressing PFAS in food packaging. As of February 2023, 11 states have adopted some form of a law that bans or restricts the use of PFAS in food packaging applications, or that provides the state with a regulatory pathway to ban or restrict PFAS in food packaging: California, Connecticut, Maryland, Minnesota, New York, Rhode Island, Washington (TPCH member states) and Colorado, Hawaii, Maine, and Vermont

(non-member states). None of these laws are identical, with some of the new laws in state toxics in packaging statutes and some in separate statutes.

## Collaboration on PFAS Definitions

In May 2022, the TPCCH Technical Testing Workgroup reached out to members of the Interstate Chemicals Clearinghouse (IC2) to consider working together to share information in an effort to harmonize state and local governments' statutory definitions in legislation and recent laws concerning PFAS and packaging. Over the course of several months, the group met three times, sharing information, and discussing what information would be helpful.

Fiscal Year 2022 was a year of many changes for TPCCH. For almost 20 years the NERC was the host organization and fiscal agent for TPCCH, under NERC Executive Director Lynn Rubinstein, and staffed by program managers Patty Dillon and Melissa Lavoie. With new state representatives and a focus on PFAS and other emerging chemicals as packaging issues, TPCCH made the decision to affiliate with

## 2022 TPCCH AT-A-GLANCE

**46,513 site visits** to the TPCCH website (<https://toxicsinpackaging.org/>); 212,849 page views on the site

**101 external communications** by telephone and email, an average of 8.5 per month

**10 State Members / 1 Advisory Member and 1 Subject Matter Expert**

NEWMOA. We thank Lynn Rubinstein for her full support of our work and our mission and wish her well in retirement.

TPCCH is looking ahead and plans to continue focusing on:

- Enacting the model legislation in member and non-member states
- Ensuring consistency in enacted language across state laws
- The interface between current and future TP laws and EPR for packaging laws
- Effective screening and testing methods
- Proper labeling and disclosure
- Updating TPCCH's Certificates of Compliance
- Reporting by manufacturers on their progress, compliance, and alternatives to phased-out substances
- Responsibilities of future packaging stewardship organizations to ensure that members are complying with requirements of state laws

We have exciting and challenging years ahead with PFAS and other chemicals that pose new challenges for packaging design, materials, and function, as well as recycling, composting, and other pathways for end-of-life management. TPCCH looks forward to new opportunities in these areas through continued engagement with the regulated community, non-member states, and with our colleagues in IC2.

TPCCH Website.

# NEWMOA Funding

NEWMOA relied on dues, grants, contracts, event registration fees, and special contributions for funding in FY 2022. A foundational source of funding was state dues. The New England states requested that EPA Region 1 make a portion of their RCRA hazardous waste program assistance funds available as dues and general support in the form of a grant to NEWMOA. The NEWMOA Board of Directors determined the amount in consultation with EPA Region 1. New York and New Jersey paid their annual dues directly to NEWMOA. IMERC and IC2 members and Supporting Members also paid annual dues directly to NEWMOA to fund those activities.

Federal competitive grants supported pollution prevention and sustainable materials management projects. Grants for these activities were awarded by a combination of EPA Region 1 and the U.S. Department of Agriculture (USDA), and occasionally by other agencies.

Contributions from member states in the form of contracts made up another important source of funding. Several states contribute directly to fund projects of particular interest, as well as to support NEWMOA's IMERC, IC2, and Brownfields programs.

## NEWMOA'S FY 2022 FINANCIAL ACTIVITY

October 1, 2021 to September 30, 2022

### Revenues

State Dues, Contracts, Fees, & Contributions	\$ 842,827
Federal Grants	233,292
Miscellaneous	127,631
Total Revenue	\$ 1,203,750

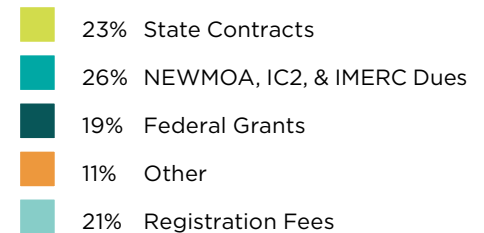
### Expenditures

Staff Salaries & Benefits	\$ 636,309
Travel & Meetings	157,861
Other Direct Program Expenses	34,644
General & Administrative	204,008
Contracts	169,883
Total Expenditures	\$ 1,202,705

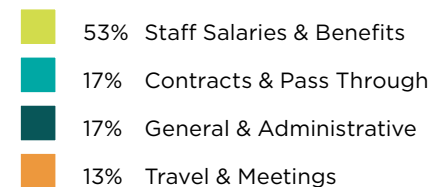
### Net Assets

Net Change in Assets*	\$ 1,045
Net Assets at Beginning of Year	\$ 273,142
Net Assets at End of Year	\$ 274,187

## 2022 NEWMOA REVENUES



## 2022 NEWMOA EXPENSES



# A Big Thank You!

## **NEWMOA greatly appreciates the financial support provided by the following agencies and organizations in FY 2022:**

California Department of Toxic Substances Control (CA DTSC)  
Connecticut Department of Energy and Environmental Protection (CT DEEP)  
King County Local Hazardous Waste Management Program  
Iowa Department of Natural Resources (IA DNR)  
Louisiana Department of Environmental Quality (LA DEQ)  
Maine Department of Environmental Protection (ME DEP)  
Maryland Department of the Environment (MDE)  
Massachusetts Department of Environmental Protection (MassDEP)  
Metro (Portland, Oregon)  
Michigan Department of Environment, Great Lakes, and Energy (MI EGLE)  
Minnesota Department of Health (MN DoH)  
Minnesota Pollution Control Agency (MPCA)  
New Hampshire Department of Environmental Services (NH DES)  
New Jersey Department of Environmental Protection (NJ DEP)  
New York State Department of Environmental Conservation (NYSDEC)  
North Carolina Department of Environment and Natural Resources (NC DENR)  
Oregon Department of Environmental Quality (OR DEQ)  
Oregon Health Authority (OHA)  
Rhode Island Department of Environmental Management (RIDEM)  
San Francisco Department of the Environment (SF DoE)  
U.S. Environmental Protection Agency (EPA)  
U.S. Department of Agriculture (USDA)  
Vermont Department of Environmental Conservation (VT DEC)  
Washington Department of Ecology (WA Ecology)

## **IC2 SUPPORTING MEMBERS:**

Center for Environmental Health  
ChemFORWARD  
Clean and Healthy New York  
Clean Production Action  
Clean Water Action Minnesota  
Clean Water Fund  
Defend Our Health  
Green Chemistry in Commerce Council (GC3)  
Healthy Babies Bright Futures  
Lowell Center for Sustainable Production at University of Mass Lowell  
National Tribal Toxics Council (NTTC)  
New York State Pollution Prevention Institute (P2I)  
North Carolina Conservation Network  
Pacific Northwest Pollution Prevention Resource Center (PPRC)  
Oregon Environmental Council

## **IMERC SUPPORTING MEMBERS:**

Consumers for Dental Choice  
Mercury Policy Project

## **TPCH ADVISORY MEMBER:**

Glass Packaging Institute

## **SPONSORS OF THE SCIENCE OF PFAS CONFERENCE:**

### **Platinum**

AECOM  
Allonia  
EA Engineering Science and Technology  
Mass Executive Office of Energy and Environmental Affairs  
SGS  
Waters  
Wood.

### **Gold**

CDM Smith  
CleanEarth  
Geosyntec  
GZA  
LaBelle  
Weston  
Weston and Sampson

### **Silver**

Absolute Resources Associates  
Barr  
CET  
Clear Creek Systems  
ECT2  
FMS  
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Pace Analytical  
Regenesis  
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## **BROWNFIELDS SUMMIT SPONSORS:**

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### **Platinum**

EnviroVantage  
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### **Gold**

CEC  
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AECOM  
Alpha Analytical  
BCONE  
Beta  
Bright Horizons Environmental  
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TRS Group



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IA DNR*

Tom Metzner  
*(Member-at-Large)  
CT DEEP*

## **Waste Site Cleanup**

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*(Program Chair)  
VT DEC*

## MISSION

NEWMOA provides a strategic forum for effectively identifying, developing, and implementing solutions to environmental problems through collaborative initiatives that advance pollution prevention and sustainability, promote safer alternatives to toxic materials in products, identify and assess emerging contaminants, facilitate adaptation to climate change, mitigate greenhouse gas sources, promote reuse and recycling of wastes and diversion of organics; support proper management of hazardous and solid wastes, and facilitate clean-up of contaminant releases to the environment.

## Goals

NEWMOA's long-term goals are to:

- Support and strengthen state efforts to implement policies, regulations, and programs
- Promote interstate coordination and develop innovative strategies to solve critical and emerging environmental problems
- Foster collaboration and engagement in professional relationships through the sharing of information, tools, training, and resources and supports active partnerships of state officials to adjust to rapid changes in technology and to respond to emerging environmental challenges
- Facilitate the sharing and use of data and information to drive priorities, monitor progress, and inform partners and the public
- Articulate state program views on federal policy developments, programs, and rulemakings
- Cultivate and enhance relationships among member states, federal agencies, colleges and universities, other organizations, and stakeholders
- Engage with and educate the regulated community and the public with a focus on disadvantaged and overburdened communities
- Ensure that the organization is strengthened and sustained with adequate resources

NEWMOA is an equal opportunity employer and provider.

## Challenges

NEWMOA's 2023-2027 priorities are:

- Identifying and Assessing Emerging Contaminants
- Anticipating and Mitigating the Impacts of Climate Change
- Building the Technical Capacity of and Ensuring Adequate Resources for Programs

## Core Programs

- Pollution Prevention and Sustainability
- Hazardous Waste
- Solid Waste and Sustainable Materials Management
- Waste Site Cleanup
- Interstate Mercury Education and Reduction Clearinghouse (IMERC)
- Interstate Chemicals Clearinghouse (IC2)
- Toxics in Packaging Clearinghouse (TPCH)
- Cross Program Initiatives, including Environmental Justice, Soil Reuse, and Continuous Improvement





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