8:30 am - 10:45 am  
Tour part 1 - Walk the Burgh: Environmental justice walking tour  
This experience will begin with a walking tour (3-4 miles over 2 hours), where local guides will discuss the industrial history of Pittsburgh and the toxic legacy it left behind.

9:00 am - 5:00 pm  
Registration open  
Allegheny Foyer

11:00 am - 12:30 pm  
Tour part 2 - Environmental justice in Pittsburgh roundtable  
The walking tour will be followed by refreshments and a 1-hour roundtable discussion with local environmental justice leaders.

2:00 pm - 3:30 pm  
Opening plenary with keynote speaker, Saket Soni  
Saket Soni will be the keynote speaker. Soni is founder and executive director of Resilience Force, a national initiative to transform America’s response to natural disasters by strengthening and securing its resilience workforce. He co-founded the New Orleans Workers' Center for Racial Justice, and he is recognized as a national expert on post-disaster economies, immigrant rights, and the future of work.

3:30 pm - 4:00 pm  
Break with exhibitors  
Allegheny Foyer

4:00 pm - 5:00 pm  
Applying a climate lens to clinical decisions  
Two medical directors of sustainability and a medical resident will discuss the climate impact of clinical care and share how to apply a climate lens to clinical choices.

Reducing plastics part 1: Addressing infection prevention perceptions  
Learn about the concerns associated with plastic single-use devices, the value proposition for switching to more sustainable alternatives, and strategies for engaging internal stakeholders.

5:00 pm - 6:30 pm  
Opening reception  
Pennsylvania Ballroom

**Food is medicine: Sustaining health & community resilience**  
Growing awareness of the connection between food access, nutrition, and health is driving the growth of “food is medicine” initiatives. Learn about effective partnership models, program design, and policy developments in this space.

Chelsey Canaan, Dartmouth Health | Dr. Steven Chen, Alameda County | Alissa Wassung, National Food is Medicine Coalition

**Powerful tools for infrastructure & community resilience**  
Through case studies and expert experience, explore two powerful tools to improve power systems and infrastructure resilience at your institution and in the community.

Jerrod Bley, University of Nebraska Medical Center | Katherine Hammad, Green Business Certification Inc. | Kevin Kanoff, Penn State Hershey Medical Center | Grace Thomas, Verdis Group

**Local spotlight: Partnering across sectors for greater impact**  
Learn how Pittsburgh’s Highmark Health and Allegheny Health Network partner with local organizations to solve climate and sustainability challenges in their community.

Phyllis Barber, Highmark Health | Chris Cieslak, Green Building Alliance | Dan Lesinski, Allegheny Health Network | Dr. Joylette Portlock, Sustainable Pittsburgh

**Electrifying the VA’s vehicle fleet**  
Learn how the VA is setting the standard for comprehensive fleet management and transformation, including fleet electrification and tracking and management of fleet-related GHGs.

Wednesday, May 24

7:00 am - 7:45 am  
**Yoga**  
Wake up and greet the day with yoga for all levels on Wednesday, May 24 at 7:00 a.m. in the Pennsylvania Ballroom. Mats will be provided.

7:30 am - 5:30 pm  
**Registration open**

8:00 am - 9:00 am  
**Breakfast with exhibitors and posters**

8:30 am - 10:00 am  
**Workshop: Accelerating research for sustainable health care solutions**  
In this physician- and researcher-led session, learn about the current sustainability research landscape, and uncover opportunities for addressing gaps to help accelerate the transition to sustainable, climate-smart health care.

Becka DeSmidt, Institute for Healthcare Improvement  |  Dr. Adam Lerner, Center for Population-Level Bioethics at the Rutgers Institute for Health, Health Care Policy and Aging Research  |  Dr. Sok Sougechi, Rutgers Robert Wood Medical School and Rutgers School of Public Health  |  Dr. Cassandra Thiel, NYU Grossman School of Medicine, NYU Robert F. Wagner Graduate School

9:00 am - 10:00 am  
**Breakout sessions**

9:00 am - 10:00 am  
**Designing your building for a changing climate**  
Learn about custom and verified green building standards that can drive carbon, energy, and water building performance and protect from extreme weather events.

Austin Barolin, Mazzetti  |  Aparna Dial, The Ohio State University Wexner Medical Center  |  Jason Majerus, DLR Group

9:00 am - 10:00 am  
**Tackling transportation emissions: Employee commutes & telehealth**  
Hear how Cleveland Clinic and Stanford Health Care reduced onsite travel by employees and patients through surveying, policy decisions, and incentives. And learn how to get your organization started on tackling transportation emissions.

Terry Dutrosa, Stanford Health Care  |  Dr. Melissa Frick, Stanford Health Care  |  Dr. Thejus Jayakrishnan, Cleveland Clinic

9:00 am - 10:00 am  
**Insights from waste audits in the ER, ICU, OR & more**  
Hear from medical students and other health professionals who have performed comprehensive waste audits in the emergency department, ICU, and an outpatient surgical center, and learn how to access the tools you need to perform a waste audit at your facility.

Daniel Hu, Brown University Warren Alpert Medical School  |  Dr. Ethan Sims, St. Luke’s Health System  |  Margaret Tharp, Indiana University School of Medicine

10:00 am - 10:30 am  
**Break with exhibitors**

10:30 am - 11:45 am  
**Breakout sessions**

10:30 am - 11:45 am  
**Philips Solution Session: Innovating for carbon neutrality: Partnering to reduce Scope 3 emissions with circular practices**  
Learn how your organization can reduce its Scope 3 emissions by embracing circular economy practices and collaborating with partners across the supply chain.

Tammie Rupnik, Philips  |  Jim Salmons, Philips Healthcare  |  Harald Tepper, Philips  |  Dr. Cassandra Thiel, NYU Langone Health and Clinically Sustainable Consulting LLC

10:30 am - 11:45 am  
**Workshop: Greening the OR: Quality improvements for cost savings & impact**  
Take a deep dive into various quality improvement methodologies for measuring OR cost savings and environmental impact, and apply them in break out groups focusing on OR carbon hotspots.

Dr. Brian Chesbro, Providence  |  Becka DeSmidt, IHI  |  Dr. Sarah Greenberg, Seattle Children’s Hospital  |  Dr. Gayathri Sullivan, Rush University Medical Center

10:30 am - 11:45 am  
**Centering justice & community voices in climate solutions**  
Hear about well-designed green space resilience initiatives, and learn how health care organizations can center justice in their resilience strategies through multi-sectoral collaboration, advocacy, and inclusive solutions.

Dr. Isabela Angelelli, UPMC Children’s Hospital of Pittsburgh  |  Dr. Sheetal Rao, University of Colorado and Health Care Without Harm  |  Sean Russell Jr., Stanford University

10:30 am - 11:45 am  
**Driving transformation: Reducing GHGs at the VA**  
Learn how the VHA is crafting and deploying energy strategies to meet aggressive GHG reduction targets mandated by recent executive orders.

David Wagner, U.S. Department of Veterans Affairs

health care’s role in building community health, wealth & climate resilience

Hear about strategies for increasing health care anchor institution engagement in partnerships with communities to increase community health, wealth, and climate resilience.

Dr. Megan Govindan, West Virginia University  |  Health Affairs Institute  |  Carl Yone, Emerald Cities Collaborative

Philips Solution Session: Innovating for carbon neutrality: Partnering to reduce Scope 3 emissions with circular practices
### Developing a complete Scope 3 inventory & action plan
Learn how to develop a comprehensive Scope 3 emissions inventory for your organization and create an action plan to reduce Scope 3 emissions.
Keith Edgerton, Health Care Without Harm | Practice Greenhealth | Marina Sotelo, Carilion Clinic | Sara Wohlford, Carilion Clinic

### Decarbonization tools for planning & operations
Learn strategies for pursuing net-zero emissions, and take a virtual tour of University of Maryland Medical Center as they identify emissions savings opportunities using ENERGY STAR's Energy Treasure Hunt.
Kara Hammond Brooks, American Society for Health Care Engineering | Kevin Gombotz, Envinity | Clark Reed, ENERGY STAR, EPA | Richie Stever, University of Maryland Medical System

### Engaging clinicians to advance sustainability in VA hospitals
Explore how to move beyond compliance with federal executive orders and agency directives to drive innovative sustainability work in collaboration with clinicians.
Dr. Seema Chowdhury, VHA Boston Healthcare System | George Johnson, Minneapolis VA Healthcare System | Dr. Hardeep Singh, Michael E. DeBakey VA Medical Center

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#### By invitation only: Catholic Health Association Lunch

### Lunch with posters

### Breakout sessions

#### Film screening: Triple Divide [Redacted]
This award-winning documentary covers the impact of fracking in one of the country’s most pristine watersheds. With exclusive interviews from oil and gas industry leaders, independent experts, and impacted residents, the documentary covers five years of cradle-to-grave investigations that reveal how regulators and industry keep water contamination covered up.

#### Flash Talks: Series 1
Come take a quick dive into some of our most important topics. Each presenter will share their message in 5 minutes or less. Following their talk, speakers will stay on for live Q&A from the audience.

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### Designing GHG reduction strategies with global north & south in mind
Climate accountability requires applying a lens of social justice and global health equity. Learn best practices for integrating greenhouse gas emissions reduction targets into operational planning while paying close attention to the impacts of the global north on the global south.
April Bembeck, Partners in Health

### Health impacts of health care’s plastic pollution
While the medical plastics market is worth billions, plastic medical products are large contributors to health care waste, carbon emissions, and harmful health impacts. Explore novel solutions to reduce health care's dependence on plastics.
Dr. Hilary Ong, University of California, San Francisco

### Sustainability in orthopedic surgery
Orthopedic surgery is one of the most resource-intensive fields in all of surgery, but research on sustainability strategies in this field is limited. Learn about sustainability opportunities in equipment manufacturing and postoperative patient care.
Dr. Lomaine Bowley, University of Pennsylvania | Dr. Ian Engler, Central Maine Medical Center

### Unifying efforts: Environmental, social & community priorities
Health care professionals are constantly exposed to a myriad of institutional social impact initiatives – ESG and responsible investing, health equity, anchor mission and community development, DEI, community health, community engagement, and sustainability – that contribute to building a more sustainable institution but often operate under distinctly different departments and reporting mechanisms. Learn how Rush University Medical Center engaged in a Practice Greenhealth pilot program to establish a framework that defines common goals and tracks collective social impact derived from its multiple mission-driven initiatives.
Nathalie Rosado & Emily Sermersheim, Rush University Medical Center

### Personal resilience & finding joy in challenging sustainability work
Advocating for sustainability in health care is taxing and can lead to high levels of stress, anxiety, frustration, and burnout. Learn tactics to bolster personal resilience and find joy in the work, with ideas for daily practices rooted in neuroscience, evolutionary psychology, faith traditions, physiology, history, and the arts.
Dan Quinlan, BirchGlade Consulting
Zero waste: Pathways to circular economies
Hear how three health care organizations are pursuing zero waste and supporting circular economies through governance, innovative partnerships, and employee engagement.
Monique Citro, University of Vermont Medical Center | Elizabeth McLellan, Partners For World Health | Avery Falany, Beth Israel Deaconess Israel Medical Center | Dr. Suzanne Savaric-Hansen, Allegheny Health

Creating climate resilience plans for unique community needs
Learn from two health systems as they share their experiences developing climate and community resilience plans in this conversation moderated by a representative from the HHS Office of Climate Change and Health Equity.
Dr. Apama Bole, HHS Office for Climate Change and Health Equity | Geoff Glass, Providence | Ian Hughes, Rush University Medical Center | Cassie Tinari, Providence

ESG use cases from 4 health systems
Hear how four health care systems are applying ESG frameworks within their organizations. Leave with the knowledge and tools to evaluate, mature, and strengthen your organization’s ESG reporting capabilities.
Noah Duniap, Advantis Health Partners/Bon Secours Mercy Health | Kyle Tatari, Hackensack Meridian Health | Jon Uttech, Cleveland Clinic Office for a Healthy Environment | Seema Wadhwa, Kaiser Permanente

Food service innovations at federal hospitals: Purchasing, menu design & food waste
Hear from VA food service leaders about model food purchasing, menu design, and food waste reduction strategies being implemented at leading federal hospitals.
Lindsay Barron, VA Northern Indiana | Kim-Ashleigh Mostert-Freiberg, VA San Diego Healthcare System | Taylor Kraft, Martinsburg VA Medical Center | D’arcy Rea, Martinsburg VA Medical Center

2:15 pm - 2:30 pm  Break
2:30 pm - 4:00 pm  Plenary: Learning from the local landscape: Building partnerships for a healthier future
Learn about Pittsburgh’s environmental health and economic challenges and opportunities for community partnerships for a healthier, more sustainable future.
David Levine, American Sustainable Business Network | Matthew Mehulik, Breathe Project | Dr. Maya Ragavan, University of Pittsburgh and UPMC Children’s Hospital of Pittsburgh | Tiffany Taulton, Hazelwood Initiative, Inc.

4:00 pm - 4:30 pm  Break with exhibitors

4:30 pm - 5:30 pm  Breakout sessions

Reducing plastics part 2: Prioritizing products
Learn how to identify and prioritize products to transition from single-use to reusables, with insights from UPMC, Stanford Health Care, and Allegheny Health Network.
Dr. Sara Angellili, Allegheny Health Network | Dr. Amanda Arsen, University of Pittsburgh Medical Center | John Krulicki, UPMC | Dr. Jaclyn Wu, Stanford Health Care/Stanford University

Investing in an equitable food system through values-based purchasing
Learn how health care can support local producers of color and build community resilience through values-based food purchasing.
Heather Frambach, Kitchen Table Advisors | Lisa Boté, UW Health

Optimizing HVAC to save energy & money
Hear about OSF HealthCare and Memorial Sloan Kettering Cancer Center’s innovative approaches to optimizing HVAC and how your health system can implement similar projects to reduce fossil fuels, save money, and build resilience.
Erin Feil, Environmental Control Solutions, Inc. | Michael Keefe, OSF HealthCare | Ed Kiely, World Energy Innovations | Jennifer Silkowitz, Memorial Sloan Kettering Cancer Center

Tale of 4 hospitals: Utilizing IRA incentives
Learn how to leverage IRA funding to help decarbonize your health system, with insights from active projects at four hospitals.
Sakis Asteriadis, Mazzetti | George Augustini, Mazzetti | Bethany Beers, Mazzetti

New models for improving patient access & advancing sustainability
Learn about two health institutions’ creative strategies to address health equity and climate risk through transportation, telehealth, site location, and health insurance access solutions.
Dave Maffeo, Boston Medical Center | Dr. Sheetal Rao, University of Colorado and Health Care Without Harm

Pharmaceutical waste: New standards & practical implementation
Learn about updated federal regulations for management of hazardous waste pharmaceuticals, walk through a new guide to help health care facilities comply, and hear how the DHA changed their pharmaceutical waste segregation and handling to align with the new regulations.
Heather Queen, Defense Health Agency | Stephanie Rice, Defense Health Agency | Charlotte Smith, PharmEcology Services

5:30 pm - Dinner on your own
Thursday, May 25

6:30 am - 7:45 am  
**CleanMed Fun Run**  
Meet in hotel lobby  
Join the fun with this morning 5K run through downtown Pittsburgh. Registration is required. To sign up, stop by the registration desk to sign a waiver. The 5K (3.1 mile) run will take an estimated 40-50 minutes. A 2K (1.2 mile) walking route will also be available. This activity is limited to 50 participants. Meet us in the hotel lobby on Thursday, May 25 at 6:30 a.m.

7:30 am - 3:45 pm  
**Registration open**  
Allegheny Foyer

8:00 am - 9:00 am  
**Breakfast with exhibitors and posters**  
Allegheny Ballroom

9:00 am - 10:30 am

**Plenary: From commitment to action: A federal & private health system dialogue**

Allegheny Ballroom

(Indicates session livestreamed for virtual program)

Leaders will discuss what it takes to act on bold commitments to climate change mitigation and resilience.

- David Baker, The Joint Commission  
- John Balbus, Federal Office of Climate Change and Health Equity  
- Kathy Genew, Health Care Without Harm  
- Beth Schenk, Providence

10:30 am - 11:00 am  
**Break with exhibitors**  
Allegheny Foyer

11:00 am - 12:00 pm

**Breakout sessions**

- **Strategies to reduce food loss & waste by 50% by 2030**
  - Cambria  
  - Jen England, Food Rescue Hero  
  - Jon Polley, UPMC Magee-Womens Hospital

- **Tackling decarbonization: The path to 100% renewable energy**
  - Westmoreland  
  - Eric Berzon, Kaiser Permanente  
  - Walt Vernon, Mazzetti  
  - Sextant Foundation

- **Engaging patients & providers in equity-centered climate change planning**
  - Butler  
  - Alexis Lee, University of Utah Health  
  - Shalini Sinha, Inclusiv  
  - Dr. Smitha Warrier, University of Utah Health

12:00 pm - 1:15 pm

**Lunch with posters**  
Allegheny Ballroom

1:15 pm - 2:30 pm

**Breakout sessions**

- **UPMC Solution Session: Achieving sustainability successes through community partnerships**
  - Westmoreland East  
  - Lena Andrews, ACTION-Housing, Inc.  
  - Shannon Brogdon, Community Human Services  
  - Angela Garcia, Global Links  
  - Ray Prushnik, UPMC Center for Social Impact  
  - Holly Vogt, UPMC

- **Metered-dose inhalers: Small devices, big climate impact**
  - Allegheny Ballroom  
  - Dr. Brian Chesebro, Providence  
  - Dr. William Feldman, Brigham and Women’s Hospital  
  - Dr. Gregg Furie, Brigham and Women’s Hospital, Mass General Brigham

2:30 pm - 3:45 pm

**UPMC Solution Session: Achieving sustainability successes through community partnerships**

Hear from UPMC experts and a few of their local nonprofit partners, who will share how your organization can achieve social impact and sustainability successes through community partnerships.

- Lena Andrews, ACTION-Housing, Inc.  
- Shannon Brogdon, Community Human Services  
- Angela Garcia, Global Links  
- Ray Prushnik, UPMC Center for Social Impact  
- Holly Vogt, UPMC

3:45 pm - 4:00 pm

**Metro Board Meeting**

Allegheny Ballroom
Flash Talks: Series 2
Come take a quick dive into some of our most important topics. Each presenter will share their message in 5 minutes or less. Following their talk, speakers will stay on for live Q&A from the audience.

Urban edible gardens & sustainability education across generations
The Green Mountain Energy Garden at the UPMC Children’s Hospital of Pittsburgh is a demonstration of urban gardening and environmentally responsible practices.
Dr. Isabela Angelelli, UPMC Children’s Hospital of Pittsburgh

Addressing lifestyle risk factors for patients & planet
There are parallels between health, food system, and fossil fuel industry policy that impact our health. Learn how practicing physicians and health systems can address lifestyle risk factors that contribute to the development of stroke and dementia as well as to climate change.
Dr. Ali Saad, University of Colorado

Taking climate action to prevent the next pandemic
The warming environment increases the likelihood that infectious diseases like monkeypox, vector-borne diseases, multidrug-resistant organisms, and even common vaccine-preventable diseases such as pertussis and measles will increase. Learn how clinicians and other health care professionals can help reduce the rise of these diseases.
Dr. Vincent Hsu, AdventHealth

SF6: The GHG emission more potent than CO2
Sulfur hexafluoride (SF6) has a long-life span, a global warming potential 23,000 times that of carbon dioxide, and is considered the most potent and dangerous GHG. Learn about its sources in health care and opportunities to reduce its impact.
Dr. Katie Lichter, University of California, San Francisco

Innovative funding solution for energy efficiency upgrades
Sustainable Energy as a Service (SEaaS) is an umbrella category for any efficiency and renewable technology being delivered off-balance sheet and based on realized savings. Learn about this emerging funding solution for energy efficiency upgrades to accelerate sustainability efforts at your facility.
Bill Kenworthy, Metrus

Break

Governance boot camp: Getting the fundamentals right
Learn the fundamentals of integrating sustainability with governance through structure, policy, and systems for effective, long-term governance in the face of disruptions.
Dr. Michael Boninger, UPMC | Andy Garman, Rush University | Katie Pittman, Rush University Medical Center | Kerria Robinson, WellSpan Health

Roundtable: Shared solutions for supply chain decarbonization
This roundtable will bring together health systems and vendors for a dynamic discussion on supply chain decarbonization.

VA perspective: Using Better Buildings Initiative tools for water savings
This session will showcase the benefits of aggressively managing water use, with insights from a successful water reduction project at the Erie VA Medical Center and an introduction to tools that support hospitals from DOE’s Better Buildings Initiative.
Mariana Egea-Casalduc, U.S. Department of Energy, Better Buildings Initiative | Doug Pollock, Erie VA Medical Center

Greening the OR: Reducing anesthetic gas emissions
Hear from three health care organizations about their efforts to reduce anesthetic gas emissions, and take away best practices ahead of voluntary standards in clinical spaces.
Caellagh Catley, Washington University School of Medicine | Dr. Katherine Lowry, Stanford Health Care | Dr. Muoi Trinh, Mount Sinai Icahn School of Medicine, Mount Sinai Hospital

Sustainable radiology: Bringing climate-smart medical imaging into focus
Hear how radiologists are building a sustainability movement within their field through partnerships, research, education, and health professional engagement.
Dr. Amanda Marrero-González, Hospital Pavia | Dr. Julia Schoen, Atrium Wake Forest Baptist Health | Dr. Sean Woolen, University of California San Francisco

Environmental Excellence Gala reception

Environmental Excellence Gala dinner