Montefiore Einstein Sustainability Report 2025

Montefiore Einstein

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A Message From Our Leadership

Dear Montefiore Einstein Community,

I am proud to share our 2025 Sustainability Report. This report reflects our deep commitment to advancing the health of the communities we serve.

Over the past year, we have made meaningful strides in environmental stewardship. We have achieved a 31% reduction in greenhouse-gas emissions intensity from our 2007 baseline, completed major energy-efficiency upgrades, diverted more than 75,000 pounds of food waste through biodigesters and completed transformative infrastructure projects, including our collaboration with a leading electric vehicle (EV) charging infrastructure provider. These milestones reflect the collective efforts of our clinicians, engineers, administrators, educators and partners.

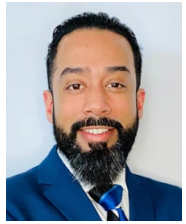
Our progress is driven by our mission. From technicians retrocommissioning our facilities to clinicians integrating sustainable practices into patient care to faculty enriching medical education at the intersection of environment and health—every aspect of our organization supports our regulatory compliance, as well as our broader environmental goals.

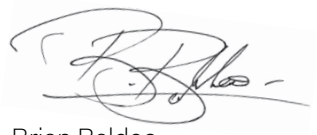
As signatories to the Health Care Without Harm's Health Sector Climate Action, Resilience and Equity Solutions (CARES) pledge and participants in the New York State Insurance Fund (NYSIF) Climate Action Plan, we shape policies and practices that extend beyond our walls.

This year's report introduces new initiatives, including our Sustainability Advocate Training Program, engaging more staff in our shared mission. Looking ahead, we remain focused on accelerating building-efficiency upgrades, pursuing electrification projects and ensuring that sustainability and healthcare go hand in hand.

Our progress is only possible because of your commitment, creativity and collaboration. Thank you for being part of this journey.

Edward Pfleging, PE
Senior Vice President,
Facilities and Real Estate





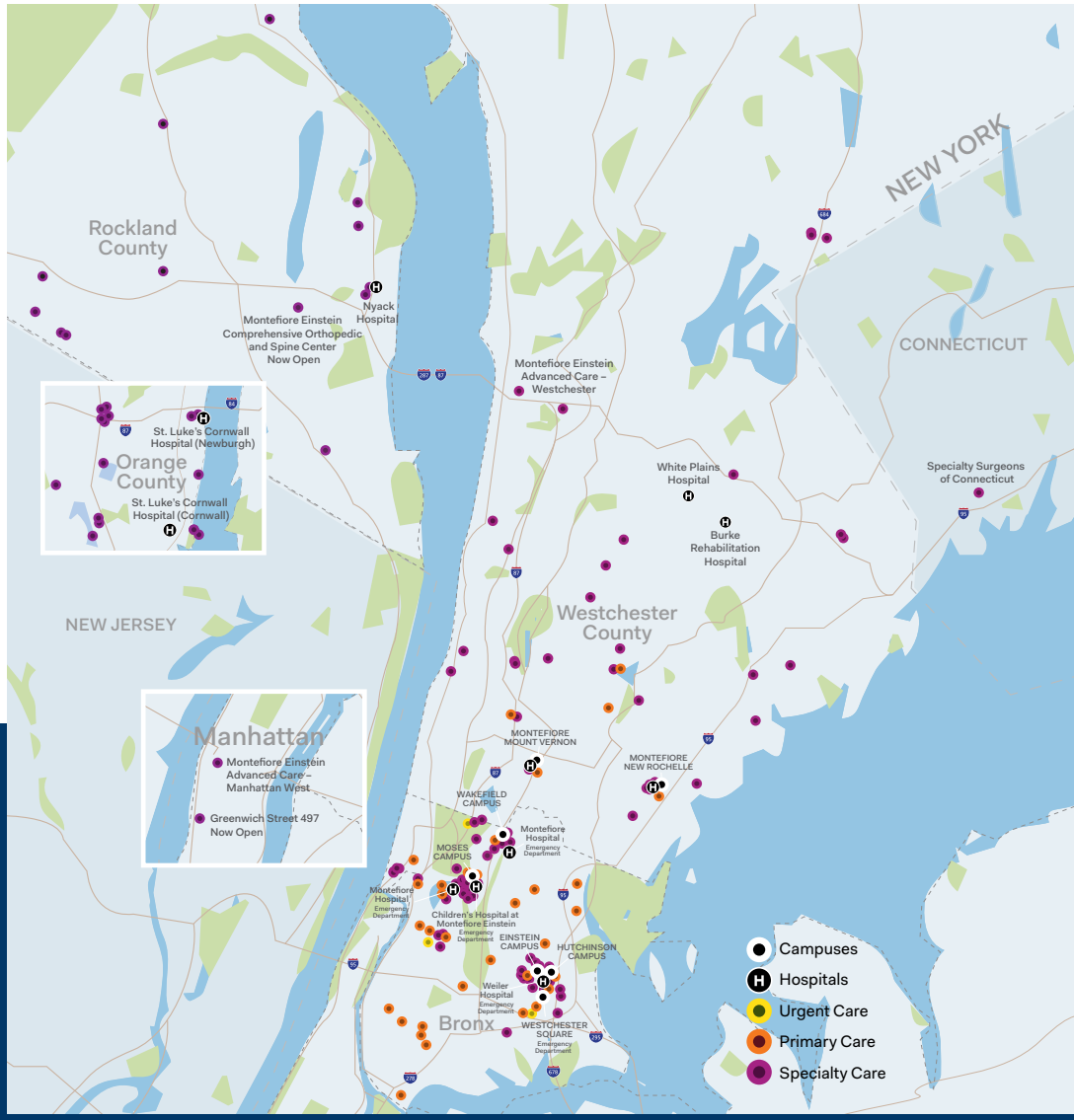
Brian Baldeo
Associate Vice President,
Engineering

About Montefiore Einstein

Montefiore Einstein is more than just a healthcare provider; it is a beacon of hope and healing for the diverse communities we serve. Through our hospitals, ambulatory care facilities and Albert Einstein College of Medicine, we combine nationally recognized clinical excellence with a deep commitment to social responsibility.

Our roots are firmly planted in the Bronx, where we have been serving the community for more than a century. With nearly 85% of Montefiore Einstein hospital discharges being Bronx residents[1], we have witnessed firsthand the challenges faced by this vibrant borough, from high rates of chronic diseases to health professional shortages. Despite these obstacles, we have remained steadfast in our mission to provide exceptional care and improve the well-being of our community.

As we have expanded our reach to Westchester, Rockland and Orange counties, as well as New York City and Greenwich, Connecticut, we have brought with us the same dedication to delivering science-driven, patient-centered care that addresses the unique needs of each community we serve. Our integrated delivery system ensures that patients have access to the full spectrum of care, from primary and specialty services to cutting-edge research and clinical trials.



2,961 total hospital beds

300+ primary and specialty care locations

19 mental health and substance abuse clinics

150 beds in extended care facilities

34 school health clinics

6,900+ physicians and clinicians

≈140,000 annual hospital discharges

≈523,000 annual emergency department visits

≈6,500,000 annual ambulatory visits

≈1,200,000 unique patients receiving care services

[1]Fifty-two percent when accounting for the entire Montefiore Einstein Academic Health System.

Our medical specialties rank in the top 1% of the nation's hospitals, and Children's Hospital at Montefiore Einstein is recognized as one of America's best.

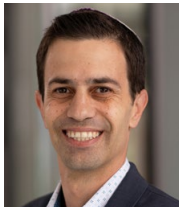
BEST HOSPITALS U.S.News & WORLD REPORT RANKED IN 11 SPECIALTIES 2025–2026

BEST CHILDREN'S HOSPITALS U.S.News & WORLD REPORT RANKED IN 3 SPECIALTIES 2025–2026

We are among the elite 1% NCI-designated comprehensive cancer centers in the U.S.

NCI Comprehensive Cancer Center

A Cancer Center Designated by the National Cancer Institute



"Earning the System for Change Award for the first time is a monumental and energizing achievement for Montefiore Einstein. It validates our coordinated, systemwide approach to sustainability by unifying goals, sharing data and fostering cross-campus collaboration that drives innovation. This milestone confirms that our integrated strategy is delivering real results and fuels our momentum to achieve even greater environmental impact ahead."

Aharon Kestenbaum, Director, Energy and Sustainability

Practice Greenhealth

Montefiore Einstein partners with Practice Greenhealth, which together with Health Care Without Harm, is the leading sustainable healthcare organization, delivering environmental solutions to more than 1,700 hospitals and health systems in the United States and Canada. This partnership aligns with Montefiore Einstein's commitment to advancing sustainability within the organization and in the healthcare industry at large. By collaborating with Practice Greenhealth, Montefiore Einstein gains access to valuable resources, best practices and networking opportunities that help continuously improve environmental performance and drive innovation in sustainable healthcare delivery.

In 2025, Montefiore Einstein once again received from the Practice Greenhealth Environmental Excellence Awards the **Greenhealth Partner for Change Award** for six of our locations: 1) Montefiore Hospital, Moses Campus; 2) Albert Einstein College of Medicine; 3) Montefiore Hospital, Wakefield Campus; 4) Montefiore Mount Vernon Hospital; 5) Montefiore New Rochelle Hospital; and 6) Westchester Square.

We also received the **Greenhealth System for Change Award**, which recognizes health systems that take a coordinated, systemwide approach to setting sustainability goals, tracking performance data, benchmarking progress, and fostering internal learning and implementation.

In addition, receiving these 2025 Environmental Excellence Awards places Montefiore Einstein among the nation's top healthcare institutions demonstrating leadership in sustainability, environmental stewardship and climate resilience.

Prix Galien EcoHealth Award Nomination

In 2025, Montefiore Einstein was selected as an official nominee for the inaugural Prix Galien EcoHealth Award, often described as the "Nobel Prize of Healthcare Innovation." This prestigious recognition positioned us among select institutions pioneering the intersection of environmental sustainability and human health.

Our nomination showcased our innovative C.A.R.E. framework as a comprehensive, replicable model for healthcare decarbonization.

On October 29, 2025, Aharon Kestenbaum, Director, Energy and Sustainability, and Brian Baldeo, Associate Vice President, Engineering, represented Montefiore Einstein at the award ceremony held at the United Nations in New York City. This global platform validated our approach: that healthcare institutions can simultaneously advance public health, environmental stewardship and financial performance while serving as models for sectorwide transformation.

Workplace Achievements

Montefiore Einstein distinguished itself as an exceptional workplace, earning recognition for its overall environment and commitment.

Mission, Vision and Values

Mission	Vision	Values
To heal, to teach, to discover and to advance the health of the communities we serve.	**To be a premier academic medical center that transforms health and enriches lives.**	**Our values define our philosophy of care.**
Montefiore Einstein builds upon our rich history of medical innovation and community service to improve the lives of those in our care. Our mission is exemplified in our exceptional, compassionate care and dedication to improve the well-being of those we serve.	Through our enduring partnership with Albert Einstein College of Medicine, we combine clinical care with research to deliver the most current treatments available to our patients. Together, with state-of-the-art treatment and facilities and the highest ethical standards, we are challenging the limits of medicine.	They shape our actions and motivate and inspire us to pursue excellence and achieve the goals we have set forth for the future.

Our values include:

Humanity:

Our physicians, nurses and other clinical and support staff serve with extraordinary care and compassion. These attributes are rooted in a rich history that began more than a century ago when Montefiore was established to care for patients with debilitating and chronic illnesses. We see our patients as people first, with a set of values, beliefs and experiences that shape their needs and our care.

Innovation:

Our innovative delivery system, research endeavors and use of technology to improve how care is provided are fundamental to our success. Together, Montefiore Einstein and Albert Einstein College of Medicine advance clinical and translational research to facilitate the transformation of new discoveries into treatments and therapies that benefit our patients. We are never satisfied with the status quo and are always challenging ourselves to elevate to a new level of patient care.

Our Sustainability Journey

This report captures Montefiore Einstein's systemwide progress in environmental sustainability over the past year while charting the path ahead. It reflects a growing commitment across our campuses to integrate sustainability into every aspect of our mission, from decarbonizing our buildings and advancing climate-resilient care to deepening community partnerships, transforming education and building long-term climate resilience.

It provides updates on our performance metrics, new and ongoing initiatives and institutional milestones aligned with our C.A.R.E. framework. We have included highlights from front-line teams, student leaders and cross-sector partnerships that demonstrate how sustainability is taking root across our operations, culture and governance.

Above all, this report is about people whose innovation and dedication are driving progress across the Montefiore Einstein system. As climate and health challenges accelerate, this work is both urgent and foundational to our role as an industry leader.

Our achievements over the past year have served as both a source of pride and a catalyst for continued progress. Montefiore Einstein has demonstrated what is possible when an academic medical center fully integrates sustainability into its operations, education, clinical care and community outreach.

We have exceeded a **30% reduction in greenhouse-gas emissions intensity** from 2007 and are on track to reach our interim decarbonization target ahead of schedule. This milestone reflects a multiyear effort encompassing comprehensive retrocommissioning, deep energy audits, clean-energy infrastructure, ongoing carbon tracking in alignment with Local Law 97 (LL97) and the development of our first-ever Climate Action Plan.

We have upgraded building systems, electrified key facilities, installed smart sensors and submetering, and streamlined our building automation systems. Through our Moses Campus OR HVAC project, we have reduced demand by more than 30 kilowatts and saved hundreds of thousands of kilowatt-hours annually, while new audits have mapped long-term decarbonization pathways across our system.

In parallel, we are enhancing community climate resilience by **deepening partnerships** with the Bronx River Alliance, Youth Ministries for Peace and Justice and others. These collaborations are expanding education, workforce development and local sustainability projects.

We are also empowering our people. Our **Sustainability Advocate Training Program**, launched in 2024, is engaging more staff than ever. Sustainability Champions and Green Teams now represent a growing grassroots movement across departments. Our e-learning and monthly Open Hours ensure that all associates have access to sustainability education tailored to their roles.

We are seeing a growing, organizationwide commitment to sustainability that reflects more than operational progress. It signals a shared sense of purpose across teams, departments and disciplines. Sustainability is becoming part of how we lead, learn and serve. As we look ahead, we are inspired by what we have accomplished and are confident that, together, we can build a healthier, more resilient and more sustainable future for all.

To maintain transparency and accountability, we benchmark against national standards, publicly report our performance metrics and have our greenhouse-gas emissions data independently verified by ISOS Group, in accordance with the AccountAbility AA1000 Assurance Standard (AA1000AS). As we look forward, we remain grounded in our responsibility to protect both human and planetary health.

Our Sustainability Approach

Our **C.A.R.E.** framework—Climate Action, Academic Leadership, Regional Collaboration and Employee Engagement—guides our strategic initiatives. In 2024, we launched Sustainability Open Hours, expanded our e-learning and activated departmental champions across all hospital sites.

C	A	R	E
Climate Action	**Academic Leadership**	**Regional Collaboration**	**Employee Engagement**
• Reduce greenhouse-gas emissions. • Improve energy efficiency across facilities. • Strengthen systemwide climate resilience. • Minimize waste and promote a circular economy. • Expand our electric vehicle charging network and reduce transportation-related emissions.	• Integrate sustainability into medical and graduate education. • Conduct research on climate and health impacts. • Develop and promote sustainable clinical practices. • Empower students and faculty as Sustainability Champions.	• Engage local partners in environmental and climate resilience initiatives. • Support community health and neighborhood preparedness. • Advocate for sustainable policies and infrastructure investments. • Share best practices and resources with regional institutions and networks.	• Provide sustainability education and training to all staff. • Establish and support Green Teams and Sustainability Champions. • Encourage sustainable behaviors and lifestyle choices across departments. • Celebrate and reward environmental stewardship efforts.

We understand that the health of our patients and communities is inextricably linked to the health of our planet. These principles guide our efforts to integrate environmental stewardship into every aspect of our operations, from patient care and research to community engagement and partnerships.

Vision

Our vision is to be a sustainability leader that transforms health and enriches lives through innovative programs centered on the C.A.R.E. principles.

Mission

Our mission is to advance environmental sustainability to support exceptional, compassionate care and improve the well-being of our patients, employees and communities. We believe that sustainability is good for both the environment and business. By reducing waste, conserving energy and adopting environmentally friendly practices, we can lower costs, mitigate risks and enhance the patient experience.

To achieve our vision and mission, we have established a dedicated sustainability office to guide Montefiore Einstein's sustainability and climate commitments, leveraging the C.A.R.E. strategic framework to implement these efforts communitywide. Our sustainability governance structure ensures the integration of environmental considerations into decision-making at all levels of the organization. We will set ambitious goals and define key performance indicators to track our progress and hold ourselves accountable.

We realize that our sustainability vision requires more than just passion; it demands proper resourcing, cross-departmental collaboration and unwavering leadership commitment. We are proud to have the support of our board, executives and staff as we embark on this transformative journey. Together, we will demonstrate that sustainability is a strategic imperative for the future of healthcare.

Sustainability Governance

Sustainability Governance at Montefiore Einstein

Sustainability is a core value deeply integrated into Montefiore Einstein's governance structure and decision-making processes. We believe that effective sustainability governance is essential in achieving our ambitious goals to drive systemic changes across the organization and the communities we serve.

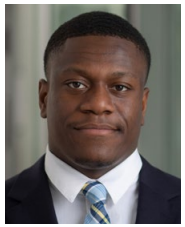
Executive Leadership and Oversight

Sustainability starts at the top with the unwavering support and commitment of our executive leadership team. Edward Pfleging, PE, Senior Vice President, Facilities and Real Estate, serves as the executive sponsor for the sustainability program, providing strategic guidance and oversight to ensure alignment with Montefiore Einstein's overall mission and values.

Office of Sustainability and the Decarbonization Committee

Montefiore Einstein's Office of Sustainability, led by Aharon Kestenbaum, Director, Energy and Sustainability, Department of Engineering and Facilities, and Wesley Kra, Liaison, Green Initiatives, serves as the central hub for sustainability planning, coordination and execution. The office works closely with departments across the organization to embed sustainability into all aspects of operations.

The Decarbonization Committee, a multidisciplinary group chaired by the Office of Sustainability, brings together leaders from across the organization to oversee efforts to reduce greenhouse-gas emissions and mitigate climate risk. The committee ensures that Montefiore Einstein's carbon reduction strategies are comprehensive, collaborative and aligned with the unique needs and challenges of each department.



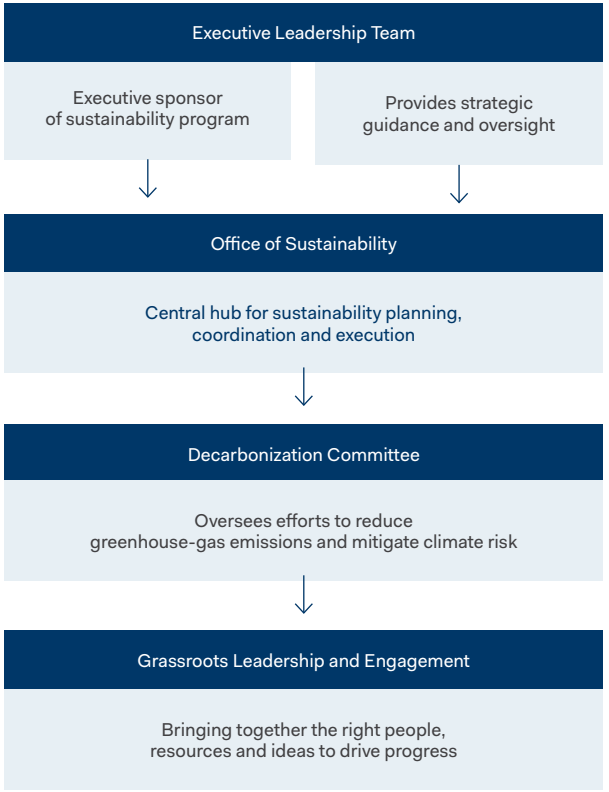
"The strength of sustainability at Montefiore Einstein comes from its collaborative foundation. As the Green Initiatives Liaison, I see how cross-departmental engagement and comprehensive education cultivate environmentally conscious leadership across our system. This approach embeds sustainability into everyday decisions, making it a shared responsibility and a core part of our culture."

Wesley Kra, Green Initiatives Liaison

Collaborative Governance Model and Grassroots Leadership

Montefiore Einstein's sustainability governance model emphasizes cross-functional teamwork, stakeholder engagement and shared accountability. The Office of Sustainability serves as a facilitator and connector, bringing together the right people, resources and ideas to drive progress in meeting shared goals.

Grassroots leadership and engagement are driven by our network of Sustainability Champions and Green Teams, who serve as catalysts for change, driving sustainability initiatives and engaging colleagues in the process. By fostering a culture of collaboration and continuous improvement, we are building a more sustainable, resilient and equitable future for our staff, patients and communities.



Climate Action

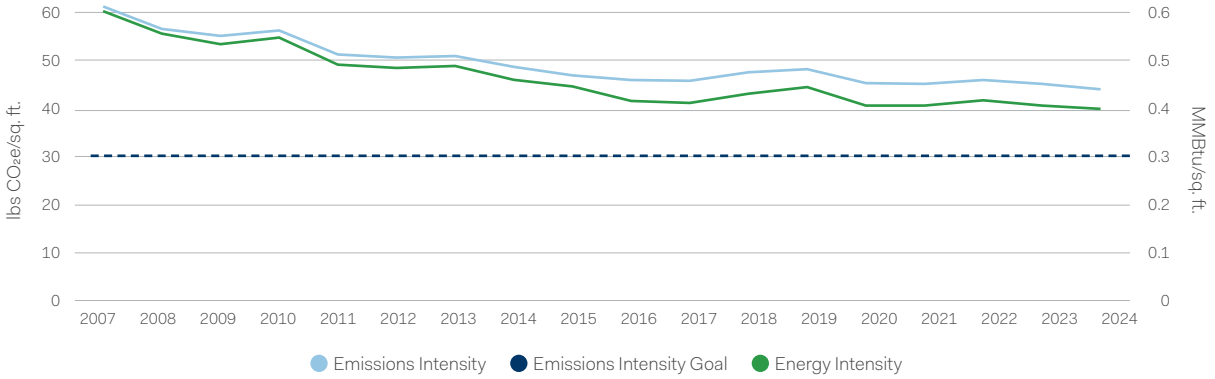
The health sector has a significant impact on climate change, contributing to 4.4% of global net emissions, equivalent to 514 coal-fired power plants annually (Health Care Without Harm & ARUP, 2019). In the United States, the health sector's greenhouse-gas emissions account for 8.5% of carbon emissions, the highest proportion of any industrialized nation. As a leading academic medical center, Montefiore Einstein recognizes the urgency of addressing climate change and its responsibility to reduce its carbon footprint.

At Montefiore Einstein, we recognize that climate change poses an urgent threat to public health, and our current measures to decrease our footprint include energy-efficiency upgrades, cogeneration, building electrification, climate resilience planning and waste reduction. Our Climate Action pillar focuses on reducing our greenhouse-gas emissions and environmental impact through a comprehensive set of strategies and initiatives.

Our Climate Goals

Recognizing the healthcare sector's impact and influence, Montefiore Einstein has aligned itself with ambitious national, state and local frameworks that reflect both the scale of the challenge and the opportunity to lead. As signatories to several key initiatives, we are committed to reducing emissions, building resilience and advancing climate justice across our operations.

2024 Emissions and Energy Intensity[2]



- The NYC Carbon Challenge
- The NYSIF Climate Action Pledge, through which we have committed to a 50% reduction in greenhouse-gas emissions by 2030 (from a 2024 baseline) and achieving net-zero emissions by 2050
- Health Care Without Harm's Health Sector CARES Pledge, which affirms our leadership in decarbonizing healthcare

We have committed to a 50% reduction in greenhouse-gas emissions by 2030 and achieving net-zero emissions by 2050

NYC Mayor's Office of Climate & Environmental Justice

- New York City's LL97, which establishes a framework that aligns with our voluntary emissions reduction strategy

Meeting these goals requires a sustained, systemwide effort. Montefiore Einstein is implementing a multitiered decarbonization strategy that includes:

- Conducting deep energy audits, retrocommissioning and smart building optimization
- Replacing fossil-fuel-based systems with electrified, low-carbon alternatives
- Scaling support of clean transportation options and addressing clinical emissions
- Empowering staff through education, Green Teams and department-level leadership

Together, these efforts go beyond regulatory compliance. They represent a proactive investment in innovation, patient well-being, operational excellence and a more resilient future for our communities.

[2] Data is representative of all Montefiore Medical Center major hospitals in the Bronx enrolled in the Carbon Challenge.

Energy Innovation and Decarbonization

Montefiore Einstein has long been recognized as a leader in healthcare energy innovation. In 1993, we became the first hospital in New York City to install a nearly five-megawatt Combined Heat and Power (CHP) system. This system captures and reuses waste heat from electricity generation to provide year-round thermal energy, reducing reliance on the grid, cutting emissions and enhancing climate resilience.

In 2024–2025, we expanded these efforts substantially, accelerating both foundational upgrades and systemwide planning. We deepened our commitment to building electrification, began implementing recommendations from recent energy audits, and launched new retrocommissioning and lighting initiatives across campuses. These coordinated efforts form the backbone of our roadmap to long-term decarbonization and compliance with LL97 and the NYSIF Climate Action Plan.

Recent Infrastructure Achievements

Our systematic approach to decarbonization has delivered measurable results through strategic infrastructure investments that reduce emissions while enhancing operational reliability:

CHP Steam Connection – 3411 Wayne Avenue (2024)

We completed the transformation of staff-housing energy delivery by removing outdated 1961-era boilers and connecting the facility to our Moses Campus Central Steam Plant. This $1.6 million project now saves more than 86,000 therms of natural gas annually and earned nearly $98,000 in utility incentives. The project demonstrates how strategic infrastructure connections can eliminate redundant systems while maximizing the efficiency of existing clean-energy assets.

Moses Campus OR HVAC Retrofit (2023–2024)

We replaced 1980s air-handling units with advanced high-efficiency motors and fan-wall technology, reducing peak demand by more than 30 kilowatts and saving approximately 341,000 kilowatt-hours annually. The project earned nearly $122,000 in utility incentives and improved air quality and reliability in surgical spaces, proving that energy-efficiency upgrades directly support clinical excellence.

Infrastructure Insulation Program (2022)

We installed comprehensive insulation on pipes and equipment throughout our Moses Campus, including custom insulative jackets on various fittings. This foundational efficiency measure now reduces steam system-losses by more than 82,000 therms annually, improving heating-system performance while reducing emissions.

These completed projects represent a combined 3% reduction in greenhouse-gas emissions and demonstrate our commitment to evidence-based infrastructure improvements that deliver both environmental and operational benefits.

Strategic Electrification and Future Projects

Building on our proven track record, we are implementing an ambitious electrification strategy guided by comprehensive energy audits and strategic planning:

Chiller Plant Modernization

Our Moses Campus North Chiller Plant replacement project and our Wakefield Campus Electric Chiller replacement project represent the most significant electrification initiatives in our portfolio. These strategic infrastructure upgrades will replace aging equipment with modern, efficient systems, including advanced electric centrifugal chillers and optimized steam-absorption units. These projects leverage our existing cogeneration capabilities to improve performance while positioning the campuses for continued electrification and reduction of greenhouse-gas emissions, as electrical infrastructure expands.

Hutchinson Campus Waterside Economizer

Currently under development, this innovative project will capture and reuse waste heat from cooling operations to support heating needs. The waterside economizer system represents cutting-edge technology that transforms waste streams into useful energy, reducing both natural gas consumption and operating costs while demonstrating the potential for efficiency innovations across our portfolio.

Comprehensive System Assessments

New York State Energy Research and Development Authority's (NYSERDA) Flexible Technical Assistance (FlexTech) Program-funded audits by Wendel Energy Services at our Moses, Einstein and Wakefield campuses identified numerous decarbonization and electrification opportunities. Additional audits by NORESCO covered our Nyack, New Rochelle, Mount Vernon, and St. Luke's Cornwall and Newburgh campuses. In parallel, we launched new retrocommissioning projects and upgraded building management systems to reduce unnecessary energy loads.

Smart Lighting & Building Controls Initiative

As part of our comprehensive sustainability strategy, Montefiore Einstein has implemented a systematic lighting modernization program across multiple campuses, combining immediate operational improvements with regulatory compliance requirements.

Weiler Hospital Completion (2025)

We successfully completed a comprehensive lighting modernization project at Jack D. Weiler Hospital, replacing traditional lighting controls with advanced LED systems and motion-sensor technology. This project delivered annual energy savings of 127,239 kilowatt-hours while reducing emissions by 37 metric tons of carbon dioxide equivalent. The implementation demonstrates both the environmental and financial benefits of modern lighting infrastructure while maintaining full hospital operations.

Einstein Campus Advanced Implementation (2025–2026)

At our Einstein Campus, we have undertaken a more comprehensive approach that includes both LED lighting upgrades and advanced networked controls installation across multiple buildings. This systematic implementation addresses both lighting efficiency and automated control systems, representing a significant advancement in building-automation technology. The project encompasses multiple academic and research buildings, with phased completion schedules designed to minimize disruption to educational and clinical activities.

Moses Campus Strategic Planning (2025–2026)

The Moses Campus lighting modernization program is planned as part of our comprehensive infrastructure upgrade strategy. This initiative will implement energy-efficient lighting systems across clinical and administrative areas, with particular attention to high-usage spaces that can deliver maximum energy-savings impact.

Building Automation and Smart Controls

Beyond lighting, our building-automation initiatives include:

- Advanced HVAC controls that adapt to occupancy patterns
- Smart sensors that optimize energy use in real time
- Integrated systems that coordinate lighting, heating and cooling
- Predictive maintenance capabilities that prevent energy waste
- Energy intelligence and optimization

Partnering with Pearl Street Systems, we evaluated energy systems at more than 20 sites to uncover opportunities for LED retrofits, HVAC upgrades, retrocommissioning and renewable integration. These comprehensive assessments provide the data foundation for our systematic approach to energy optimization and long-term planning.

Comprehensive Decarbonization Strategy

Together, these investments form a multiyear decarbonization strategy aligned with LL97 compliance, the NYSIF Climate Action Plan and our broader goal of net-zero emissions by 2050. Our approach combines proven technologies with innovative solutions:

2025–2027

Near-Term Projects

- Complete lighting modernization across all campuses.
- Implement heat-recovery systems identified in energy audits.
- Expand building-electrification programs.
- Optimize existing CHP systems for maximum efficiency.

2027–2030

Midterm Transformation

- Deploy renewable-energy systems, including solar and geothermal.
- Replace aging fossil-fuel equipment with electric alternatives.
- Integrate advanced energy-storage solutions.
- Achieve a 50% emissions reduction target.

2030–2050

Long-Term Vision

- Complete building-portfolio electrification.
- Implement carbon capture and offset programs.
- Achieve net-zero emissions across all operations.
- Serve as a model for healthcare-sector decarbonization.

Quantified Impact

Our energy-efficiency and decarbonization projects since 2013 have delivered measurable results:

Combined Energy Savings	**545** MMBtu
Emissions Reduction	**46** metric tons of carbon dioxide equivalent annually
Financial Benefits	More than **$300,000** in utility incentives secured from completed projects

While these initial projects represent important first steps, they lay the foundation for dramatically larger impacts as we scale our efforts across the entire health system. We are currently pursuing many additional projects detailed in this report, such as electrification of our chillers and lighting projects, with a total of more than $1 million in utility incentives.

As outlined in our 2023–2024 Sustainability Report, we continue to implement a range of programs across the Montefiore Einstein system that are actively reducing our environmental impact and delivering measurable results over time. In addition to building and energy-focused projects, these efforts span clinical care, transportation, waste reduction, procurement and staff engagement, reflecting a multipronged approach to sustainability that reaches every part of our organization.

Additional Climate Action Initiatives

Sustainable Transportation: Leading the EV Revolution

In 2025, Montefiore Einstein achieved a major milestone in sustainable transportation by finalizing a comprehensive electric vehicle (EV) charging infrastructure agreement with a leading EV charging infrastructure provider. This strategic collaboration represents our commitment to reducing transportation-related emissions while providing essential amenities for employees, patients and visitors.

Strategic Partnership With an EV Charging Infrastructure Provider

Montefiore Einstein has teamed up with an EV charging infrastructure partner to deploy more than 100 Level 2 charging stations across multiple campuses through 2026–2027. This zero-capital investment initiative demonstrates our innovative approach to sustainability, where environmental impact and financial stewardship align seamlessly.

The partnership leverages our EV charging provider's proven infrastructure expertise while enabling Montefiore Einstein to focus resources on our core healthcare mission.

The agreement encompasses a phased rollout beginning with flagship installations at our Moses, Wakefield and Hutchinson campuses in fall 2025, followed by systematic expansion across our entire network. Each charging station features universal compatibility, advanced safety features and mobile-app integration for a seamless user experience.

This initiative builds upon our existing 18 Level 2 chargers, expanding our capacity to support the growing adoption of EVs in our community. By providing convenient, reliable charging infrastructure, we are removing barriers to EV ownership while advancing our Scope 3 emissions reduction goals.

Our work with our EV charging partner exemplifies our commitment to advancing clean energy and transportation, including through employee and visitor transportation. This infrastructure investment creates a measurable impact through increased EV adoption and reduced reliance on fossil-fuel vehicles.

Food Waste Recovery

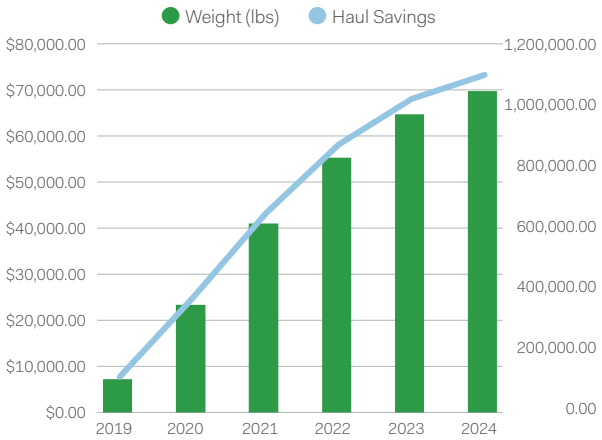
Since 2018, Biodigesters at Moses, Wakefield and Montefiore New Rochelle have processed more than 1 million pounds of food waste and reduced cost by more than $74,000. This system is now a model for other campuses as we prepare for full compliance with New York City's commercial organics law.

Electronic Waste Diversion

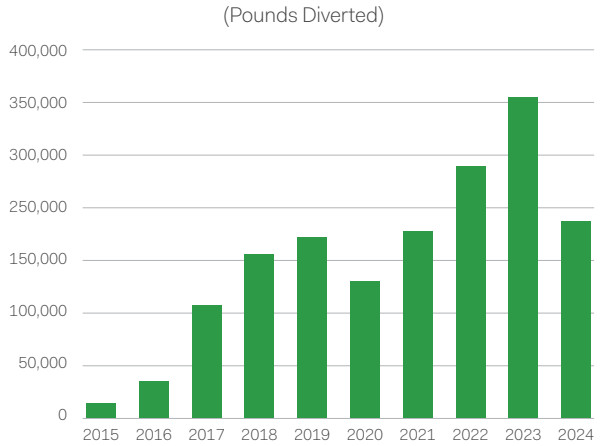
With EWASTE+, we diverted 222,000 pounds of electronic waste in 2024 alone. Our total systemwide diversion since 2015 has now exceeded 1.5 million pounds, with our average annual growth being 54.7%.

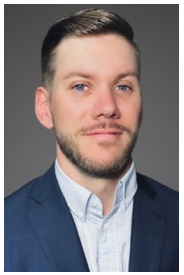
EWASTE+ Material Recovery Facility, Albany, New York

Cost Savings Due to Food-Waste Reductions



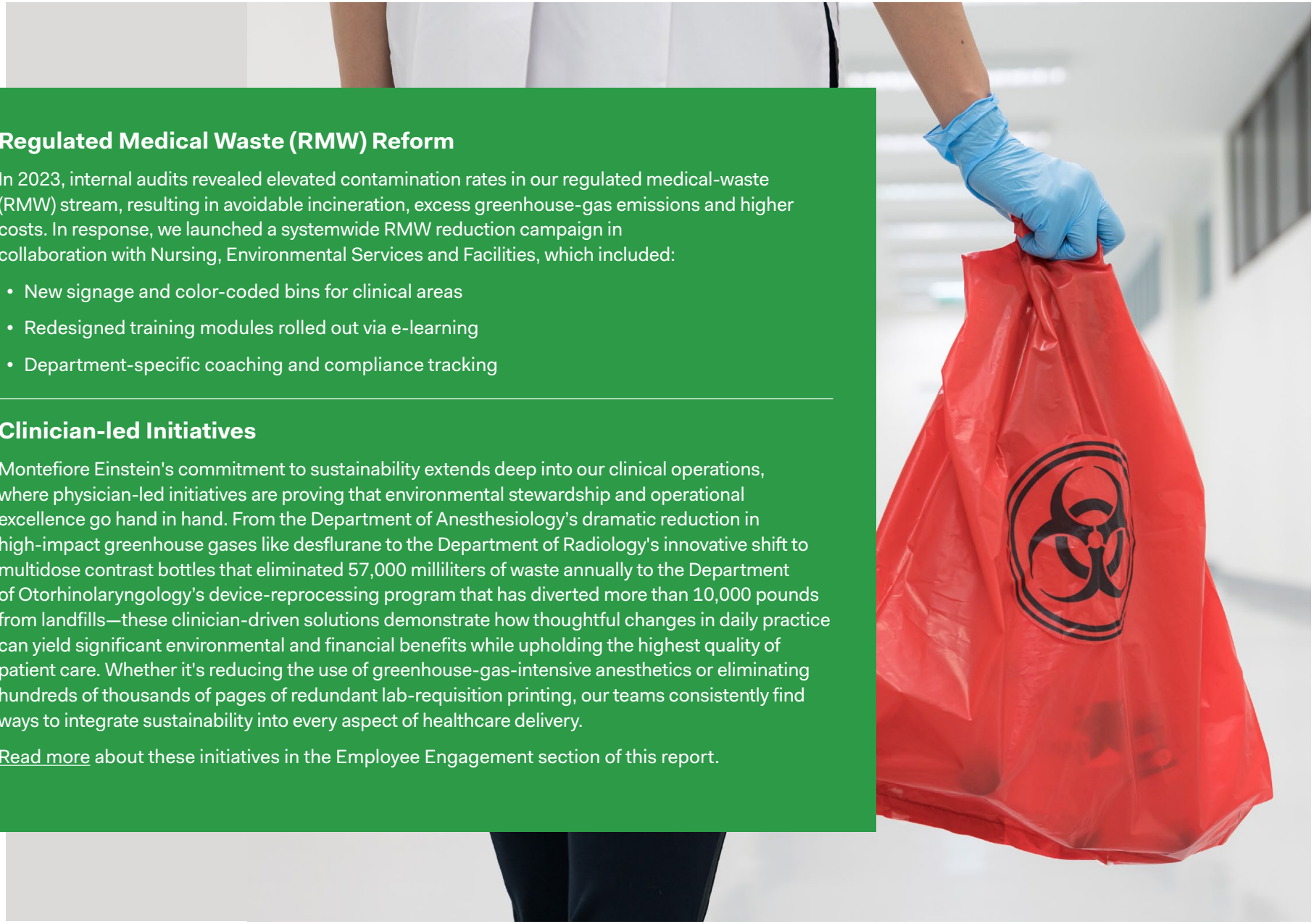
E-Waste Trends at Montefiore Einstein (2015-2024)





"EWASTE+ is proud to partner with forward-thinking healthcare institutions like Montefiore Health System. In 2024, we helped divert more than 222,000 pounds of obsolete electronics and end-of-life IT assets from landfills. Since the start of our partnership, that total has grown to more than 1.7 million pounds. We value this relationship and look forward to continuing to make a lasting impact on the community and the environment."

Ron McIntyre, Director, Client Services and Sales, EWASTE+



Regulated Medical Waste (RMW) Reform

In 2023, internal audits revealed elevated contamination rates in our regulated medical-waste (RMW) stream, resulting in avoidable incineration, excess greenhouse-gas emissions and higher costs. In response, we launched a systemwide RMW reduction campaign in collaboration with Nursing, Environmental Services and Facilities, which included:

- New signage and color-coded bins for clinical areas
- Redesigned training modules rolled out via e-learning
- Department-specific coaching and compliance tracking

Clinician-led Initiatives

Montefiore Einstein's commitment to sustainability extends deep into our clinical operations, where physician-led initiatives are proving that environmental stewardship and operational excellence go hand in hand. From the Department of Anesthesiology's dramatic reduction in high-impact greenhouse gases like desflurane to the Department of Radiology's innovative shift to multidose contrast bottles that eliminated 57,000 milliliters of waste annually to the Department of Otorhinolaryngology's device-reprocessing program that has diverted more than 10,000 pounds from landfills—these clinician-driven solutions demonstrate how thoughtful changes in daily practice can yield significant environmental and financial benefits while upholding the highest quality of patient care. Whether it's reducing the use of greenhouse-gas-intensive anesthetics or eliminating hundreds of thousands of pages of redundant lab-requisition printing, our teams consistently find ways to integrate sustainability into every aspect of healthcare delivery.

Read more about these initiatives in the Employee Engagement section of this report.

NYSIF Climate Action Program

As of 2025, Montefiore Einstein is a proud signatory of the NYSIF Climate Action Program, a statewide initiative encouraging employers to take bold, measurable steps to reduce their carbon footprint and increase climate resilience. This pledge aligns with Montefiore Einstein's longstanding commitment to environmental sustainability, health equity and operational excellence.

By joining the NYSIF Climate Action Program, we have committed to:

1.

50% Emissions Reduction by 2030

Montefiore Einstein has pledged to reduce total greenhouse-gas emissions by 50% by the year 2030, using a 2023 baseline. This goal covers emissions across Scope 1 (direct emissions), Scope 2 (purchased electricity) and key Scope 3 categories (such as purchased goods, waste, business travel and commuting). To meet this, Montefiore Einstein is:

- Upgrading energy systems and infrastructure to improve efficiency across all campuses
- Transitioning to renewable energy and enhancing grid interconnection
- Phasing out high-impact anesthetic gases like desflurane and isoflurane
- Expanding programs for medical-device reprocessing, waste segregation and food-waste diversion
- Increasingly scaling EV charging infrastructure for staff

2.

Net-Zero Emissions by 2050

Over the next 25 years, Montefiore Einstein aims to achieve net-zero emissions, meaning any remaining emissions will be balanced by offsets or removals. This long-term goal will require:

- Full decarbonization of building systems, clinical operations and supply chains
- Deep collaboration with vendors and community partners to address indirect (Scope 3) emissions

3.

Annual Reporting

As part of our commitment to transparency and accountability, we will report on our progress each year. These annual updates will document how Montefiore Einstein is advancing toward our emissions reduction goals and outline tangible impacts. Reports will include:

- Year-over-year emissions data across Scopes 1, 2 and 3
- Key performance indicators like energy savings, waste diversion and emissions avoided
- Project implementation updates and milestones achieved
- Metrics to assess the community impact of sustainability programs

By sharing this information regularly, Montefiore Einstein ensures that stakeholders, from employees to community partners, can track progress and remain engaged in the work ahead.

Supporting Framework and Strategic Initiatives

To successfully execute our NYSIF commitments, Montefiore Einstein has established robust operational frameworks and strategic initiatives that strengthen our climate action efforts. These elements are essential components of our comprehensive approach to achieving our emissions reduction goals.

Third-Party Verification

All emissions calculations mentioned in NYSIF are conducted in line with the Greenhouse Gas Protocol and have been verified by ISOS Group using the AccountAbility AA1000 Assurance Standard (AA1000AS). This verification process strengthens data accuracy and builds trust in Montefiore Einstein's performance claims.

Scope 3 Emissions Inventory and Strategy

Montefiore Einstein has committed to developing and maintaining a detailed Scope 3 emissions inventory across categories such as purchased goods and services, capital goods, waste, employee commuting, business travel and leased assets.

In 2025, Montefiore Einstein worked with partners to refine Scope 3 data collection methods and will implement targeted reduction strategies beginning in 2026.

"We're pleased to support Montefiore as it continues making meaningful progress toward its sustainability goals; we are proud to partner with a healthcare system that is taking comprehensive action to reduce the hazards posed by climate change to the health and safety of its workers and patients."

Gaurav Vasisht, Executive Director and CEO, NYSIF

NYSIF Incentives Impact

By meeting the program's benchmarks, Montefiore Einstein becomes eligible for up to **$1 million** in annual NYSIF premium credits. Montefiore Einstein has already received more than $2 million in these credits, which incentivizes our continued investment into new and ongoing sustainability projects, creating a self-sustaining cycle of decarbonization and cost savings.

This commitment builds on Montefiore Einstein's success in other climate and sustainability efforts, including:

- Leadership in the NYC Carbon Challenge, in which we have already achieved a 31% reduction from our 2007 baseline
- Health Care Without Harm's Health Sector CARES Pledge, reinforcing our commitment to cutting Scope 1 and 2 greenhouse-gas emissions by 50% by 2030 and achieving carbon neutrality by 2050

As one of the largest healthcare providers in the Bronx and the Lower Hudson Valley, regions facing some of the most acute climate-related health disparities, we recognize the urgent need for healthcare systems to lead by example. The NYSIF Climate Action Pledge represents a vital step in fulfilling that responsibility. We look forward to building on this momentum to make measurable progress and lasting impact across our operations and communities.

NYC CARBON CHALLENGE

Audits and Decarbonization Strategy

Montefiore Einstein's decarbonization efforts are rooted in a comprehensive, data-driven strategy designed to meet our bold climate commitments: a 50% reduction in greenhouse-gas emissions by 2030 and net-zero emissions by 2050. As of 2025, for properties enrolled in the NYC Carbon Challenge, we have already achieved a 31% reduction from our 2007 baseline and are rapidly scaling up efforts to meet and exceed, our targets across the entire Montefiore Einstein portfolio.

Systemwide Energy and Decarbonization Audits

A cornerstone of this strategy is our investment in systemwide energy and decarbonization audits. In partnership with Wendel Energy Services and NORESCO and with support from NYSERDA's FlexTech Program, Montefiore Einstein conducted deep energy assessments at all major campuses, including our Henry and Lucy Moses Division; Jack D. Weiler Hospital; Albert Einstein College of Medicine; Montefiore Einstein Hospital, Wakefield Campus; Montefiore Nyack Hospital; Montefiore New Rochelle Hospital; Montefiore Mount Vernon Hospital; and Montefiore St. Luke's Cornwall.

These audits identified:

- High-impact energy-efficiency opportunities, such as HVAC upgrades, lighting retrofits and heat recovery systems
- Retrocommissioning opportunities to optimize existing system performance by correcting operational deficiencies and ensuring equipment operates as originally designed
- Long-term electrification strategies
- Facility-specific pathways to reduce reliance on fossil fuels
- Clean heating solutions and innovative energy management strategies such as heat pumps, fuel cells and advanced energy storage systems
- Optimization opportunities for LL97 compliance

These audit results are integrated into our NYSIF Climate Action Plan and are directly informing capital planning decisions through 2030.

Scope 1 & 2 Emissions Reductions: Upgrading Core Infrastructure

Montefiore Einstein has prioritized energy-related emissions reductions through a comprehensive approach that encompasses both immediate operational improvements and strategic long-term infrastructure investments. The health system is implementing critical mechanical system upgrades, including CHP optimization, surgical air-handling unit retrofits and a boiler consolidation project at staff housing facilities on our Moses Campus. These mechanical improvements are complemented by systematic fuel-use tracking and reduction initiatives, along with the phaseout of high-impact refrigerants and anesthetic gases.

Our infrastructure modernization strategy extends to buildingwide efficiency improvements, featuring systemwide lighting retrofits and building envelope upgrades that reduce overall energy demand. These facility improvements are supported by integration with New York City's increasingly renewable electricity grid, enabling Montefiore Einstein to make use of cleaner energy sources as they become available. Throughout this process, we maintain rigorous energy benchmarking and monthly reporting protocols to track progress, ensure accountability and inform ongoing optimization efforts across all campuses.

Scope 3 Decarbonization: Tackling Indirect Emissions

Recognizing the critical role of Scope 3 emissions, which include procurement, commuting, waste and leased assets, Montefiore Einstein has launched focused initiatives to quantify and reduce these indirect emissions:

- Purchased-goods and services tracking
- Capital-goods life-cycle analysis
- Waste-reduction and -diversion programs
- Medical-device reprocessing
- Food-waste biodigesters
- Business-travel and employee-commuting reduction
- EV charging-network expansion

Albert Einstein College of Medicine

Campus Decarbonization and Infrastructure Modernization

Our Einstein Campus is charting an ambitious path toward campus decarbonization, with plans to phase out steam and embrace full electrification. In line with New York City's Local Laws 84, 88, 97 and 156, the team is driving efforts to modernize infrastructure and design for a low-carbon future. Two new towers currently being planned will be built with electrification at the forefront, setting the stage for a steam-free campus. Einstein is actively exploring renewable-energy options, such as heat pumps, solar, wind and geothermal and identifying opportunities to tap into NYSERDA and federal incentives to help bring these ideas to life. Meanwhile, critical upgrades are already under way, including the installation of high-efficiency variable-speed fans and the removal of outdated hot-water tanks. The team is also working closely with Con Edison to assess local grid capacity, a key step in ensuring future systems like electric chillers can be supported.

Sustainable Transportation and Mobility Infrastructure

With a new Metro-North station expected to open nearby within the next three years as part of the Bronx Metro-North expansion, Montefiore Einstein is positioning itself at the intersection of sustainability, innovation and long-term resilience. This enhanced public-transit access will be complemented by comprehensive EV infrastructure to support sustainable commuting for employees, visitors and patients. Montefiore Einstein is implementing a strategic, phased approach to EV charging infrastructure deployment across its network, with planned installations having begun in fall 2025 and scaling systematically across major campuses and regional facilities. The initiative targeted the installation of more than 30 charging stations across more than 10 locations systemwide by year-end 2025, supporting both indoor and outdoor installations to accommodate diverse facility needs. This comprehensive transportation electrification strategy reinforces Montefiore Einstein's commitment to reducing Scope 3 emissions while providing sustainable mobility options that align with the region's broader decarbonization goals.

Local Laws Accelerating Our Infrastructure Modernization

Transforming Healthcare Through Strategic Investment

Montefiore Einstein views New York City's building performance legislation as a catalyst for the infrastructure modernization we have long envisioned. These forward-thinking policies create a framework that validates our strategic investments in energy efficiency, building automation and operational excellence while positioning us as leaders in sustainable healthcare delivery.

Rather than viewing these initiatives as external requirements, we embrace them as opportunities to accelerate improvements that enhance patient care, reduce operating costs and strengthen our facilities for the future. Our proactive approach has transformed potential challenges into competitive advantages, demonstrating how environmental leadership and operational excellence work hand in hand.

> We embrace these initiatives as opportunities to accelerate improvements that enhance patient care, reduce operating costs and strengthen our facilities for the future.

Our Strategic Implementation Approach

Seizing the Opportunity: We see these laws as catalysts for the infrastructure improvements we have been planning. They provide a clear framework and timeline for implementing energy-saving technologies, upgrading our facilities and reducing our carbon footprint, all while potentially saving millions of dollars over the next decade.

Smart Compliance Approach: We have developed a sophisticated strategy that leverages our unique position as a healthcare and educational institution. Through careful analysis of our 36 million-square-foot portfolio and strategic documentation of our sustainability efforts, we have dramatically reduced potential financial exposure while securing time to implement comprehensive improvements.

For example, without the proactive measures we are putting into place, our Wakefield Campus could face escalating penalties: more than $1 million by 2035, growing to $1.3 million by 2040 and reaching $1.7 million by 2050.

Energy Intelligence and Optimization

We have established comprehensive energy-monitoring systems that provide real-time insights into building performance across our portfolio. This advanced data-analytics capability enables our teams to identify optimization opportunities, track improvement progress and make evidence-based decisions about infrastructure investments. These systems enhance our ability to maintain optimal environments for patient care while maximizing operational efficiency.

Smart Building Technology Integration

Our systematic deployment of intelligent lighting and automation systems represents a significant advancement in building technology. Motion-sensor controllers and automated lighting systems optimize energy use while improving work environments throughout our facilities. At our Moses Campus and Weiler Hospital, these upgrades are projected to deliver $65,000 to $95,000 in annual operational savings while creating more responsive, comfortable spaces for patients and staff.

Heating- and cooling-system upgrades, building improvements and renewable-energy integration will reduce environmental impact by 18% to 30% over the next decade.

Comprehensive Infrastructure Transformation

Working with leading engineering firms, we have developed detailed facility assessments and modernization roadmaps that guide our capital investments through 2030. These strategic plans identify opportunities for heating- and cooling-system upgrades, building envelope improvements and renewable-energy integration that will reduce our environmental impact by 18% to 30% over the next decade.

Leveraging Our Innovation Leadership

Advanced Energy Generation

Our Moses Campus cogeneration systems exemplify the innovative approach that sets Montefiore Einstein apart. These highly efficient technologies produce both electricity and heat simultaneously, achieving 70% to 80% efficiency compared to conventional systems. This existing infrastructure provides substantial advantages in meeting modern performance standards while ensuring reliable power for critical healthcare operations.

Proven Commitment to Excellence

Our recent investments in high-efficiency air-handling systems, smart building controls and optimized mechanical systems demonstrate our longstanding dedication to operational excellence. These strategic improvements create healthier, more comfortable environments while positioning our facilities as models for sustainable healthcare infrastructure.

Financial and Operational Benefits

Through strategic implementation of building performance improvements, we project significant operational savings over the next decade. This demonstrates that environmental stewardship and financial responsibility are complementary objectives, enabling us to reinvest savings into patient-care programs and community health initiatives.

Our approach to building performance optimization reflects our broader commitment to innovation, excellence and community health. By embracing opportunities to modernize our infrastructure, we are creating facilities that better serve our patients while advancing our mission to heal, teach, discover and improve the health of the communities we serve.

Climate Resilience

At Montefiore Einstein, we understand that climate change is a present-day challenge that disproportionately impacts our patients, staff and communities. **In 2025, we formally incorporated climate resilience as a new component of our Climate Action pillar** in our sustainability strategy, aligning with our mission to advance health and well-being for all in a rapidly changing world.

Climate resilience at Montefiore Einstein is about safeguarding our infrastructure; protecting vulnerable populations; and building the capacity to deliver uninterrupted, accessible care amid increasingly frequent climate shocks, from hurricanes to heat waves.

Montefiore Einstein's climate resilience strategy is rooted in a rigorous, data-driven approach that incorporates both quantitative hazard scoring and qualitative stakeholder insights. Every year, the system conducts a systemwide **Hazard Vulnerability Analysis (HVA)** through a comprehensive interdepartmental process that engages teams across facilities, clinical operations, emergency preparedness, supply chain, IT and other key areas. This collaborative approach evaluates risks across 12 internal and external impact categories, from utilities and staffing to patient surge and supply-chain disruptions. Each facility's risk profile is tailored to its geographic vulnerabilities, with higher-risk sites receiving targeted investments in infrastructure and emergency planning.

Systemwide HVA

Montefiore Einstein's HVA serves as the foundation for our climate resilience planning and benchmarks climate-related risks across all facilities. By tracking annual shifts in threat levels over time, this dynamic scoring model enables Montefiore Einstein to anticipate and respond to evolving climate conditions and proactively adjust capital planning, emergency protocols and staffing logistics.

From 2020 to 2024, nearly every major climate hazard affecting the New York Metropolitan Area experienced a measurable increase in vulnerability, underscoring the region's growing exposure to extreme weather, energy instability and climate-related health risks.

Top Climate Risks Identified (2020–2024)

Several climate-related hazards emerged as growing areas of concern for operational resilience, driven by shifting weather patterns, infrastructure stress and regional vulnerabilities.

- **Hurricanes** are now considered a top threat, due to rising storm intensity and a widening range of coastal impacts. These trends increase the likelihood of both direct damage and broader service disruptions.
- **Heat waves** have become significantly more severe, fueled by higher summer temperature extremes and longer event durations. The rising urban heat index has made densely built environments especially vulnerable.
- **Severe winter storms** continue to pose major challenges. Greater storm unpredictability and more variable snowfall patterns have complicated both forecasting and response planning.
- **Flooding risk** is on the rise as more intense rainfall events intersect with aging stormwater infrastructure, heightening the potential for localized flash flooding and facility access issues.
- **Nor'easters** have shown increased coastal impact and growing effects on infrastructure, adding complexity to seasonal preparedness efforts.
- **Severe thunderstorms** are occurring more frequently and with stronger characteristics, including increased lightning strikes, posing risks to both building systems and power continuity.
- **Cold waves** remain a concern, largely due to more frequent polar vortex disruptions that can produce sudden temperature drops and energy-system strain.
- **Tornado activity** showed minimal change in the region, though it remains a low-probability, high-impact hazard to be monitored.

In Montefiore Einstein's operating areas, heat waves and hurricanes have rapidly emerged as the most intensifying climate threats, according to the latest Hazard Vulnerability Analysis. Their growing frequency, longer durations and increasing severity highlight an urgent need to evolve preparedness strategies to keep pace with the accelerating realities of climate volatility.

Infrastructure Hardening and Operational Resilience

Montefiore Einstein's Hazard Vulnerability Analysis directly informs our C**omprehensive Emergency Management Plan** development. This integration ensures that highest-ranked vulnerabilities receive prioritized attention in emergency planning, resource allocation and staff training.

96-Hour Autonomous Operation Planning

All Montefiore Einstein facilities maintain detailed plans for sustained operation during prolonged external disruptions with protocols for fuel reserves and usage prioritization, water conservation, staff support and rotation plans, supply-chain contingencies and patient-care modification guidelines.

Critical Event Annexes

For high-priority climate-related hazards, specialized annexes are developed that provide detailed response protocols, including department-specific responsibilities, communication cascades, resource deployment procedures, community coordination requirements and recovery pathways.

Case Study: 2023 Heat-Wave Response

In July 2023, New York City experienced its most intense heat wave on record, with five consecutive days above 95°F that strained city infrastructure and threatened vulnerable populations.

Our comprehensive heat preparedness strategy proved effective during this critical test:

Infrastructure Resilience: All facilities maintained appropriate temperatures with no heat-related equipment failures, despite record power demands. HVAC redundancy improvements and power upgrades performed as designed.

Real-Time Coordination: Daily safety huddles provided staff with leadership updates and hydration guidance. Teams monitored NYC Emergency Management alerts, including Code Red cooling-center activations and construction suspensions, ensuring a rapid response to changing conditions.

Patient-Care Adaptations: Discharge planning incorporated New York City cooling-center locations for patients without adequate home cooling. Food and Nutrition set up hydration stations throughout facilities. Proactive outreach to vulnerable patients prevented numerous heat-related emergency visits.

Staff Support: Modified scheduling reduced nonessential travel during peak heat, while temporary cooling stations supported staff wellness during extended shifts.

"We focused on providing situational awareness to campuses and staff to ensure that everyone remains safe and continues to deliver quality healthcare to the patients we serve."

Michael Moculski, Director
Emergency Medical Services and
Emergency Management

Interdepartmental Collaboration

The success of Montefiore Einstein's 2023 heat-wave response was rooted in seamless collaboration across departments. Facilities, Nursing, Food and Nutrition, Emergency Preparedness and Clinical Care teams worked in unison to address both infrastructure and patient needs. Daily safety huddles brought together representatives from multiple disciplines, ensuring shared situational awareness and coordinated decision-making.

This integrated approach enabled rapid deployment of hydration stations by Food and Nutrition, real-time patient discharge planning by Care Management and continuous operational monitoring by Facilities, all aligned through centralized communication channels. By fostering strong interdepartmental support, Montefiore Einstein ensured a unified response that safeguarded patients, staff and infrastructure during an unprecedented climate event.

Continuous Adaptation

Montefiore Einstein applies a robust continuous improvement model to its climate resilience strategy, using real-world experience and climate forecasting to refine preparedness each year. Structured after-action reviews are conducted following all major disruptions, whether due to heat waves, hurricanes, or infrastructure outages, allowing teams to assess system strengths, identify areas for improvement, and implement changes in subsequent updates to the HVA and Comprehensive Emergency Management Plan.

To stay ahead of emerging risks, Montefiore Einstein is actively piloting next-generation risk tools, including facility-specific climate modeling, digital twin technologies for infrastructure stress testing, and scenario planning for cascading disruptions such as simultaneous flooding and power-grid failure. These innovations enable Montefiore Einstein to simulate complex climate threats and optimize emergency protocols before a crisis strikes.

Looking ahead, Montefiore Einstein is committed to expanding and refining its climate resilience capabilities through a forward-focused investment strategy and strengthened partnerships.

Key goals for 2025 and beyond include:

- Integrating advanced climate modeling to generate downscaled, facility-specific climate projections
- Deploying predictive software for real-time climate risk alerts and adaptive response planning
- Mapping transportation and supply-chain dependencies to ensure access and continuity during regional emergencies
- Strengthening partnerships with city and state agencies, as well as regional health systems, to coordinate shared emergency resources

Through these enhancements, Montefiore Einstein aims to implement a fully proactive resilience model to both protect infrastructure and operations and ensure equitable care delivery in the face of escalating climate volatility.

Looking Ahead

At Montefiore Einstein, our comprehensive climate strategy transforms environmental challenges into opportunities for innovation, resilience and community health. Through strategic investments and bold action across the next three decades, we are actively shaping a sustainable future for healthcare delivery. Our roadmap demonstrates that environmental stewardship and exceptional patient care go hand in hand, positioning us to meet our commitments while setting new standards for the industry.

2025–2026

Short-Term Goals

Focus on low-cost, high-impact measures such as completing our energy audits and lighting retrofits. This includes leveraging results from recent Wendel and NORESCO energy audits, modernizing aging infrastructure (e.g. high-efficiency fan walls and boiler replacements), and expanding our EV charging network with 100+ new ports to support both employees and fleet transition. These actions align with our goal of rapidly reducing carbon emissions.

2027–2030

Midterm Goals

Invest in renewable energy projects and supply-chain optimization. Guided by findings from FlexTech studies and our decarbonization roadmap, we will prioritize widespread electrification; renewable energy; and integration of heat pumps, solar and other clean technologies. Concurrently, we will target Scope 3 reductions through collaboration with key vendors and expanded waste-diversion programs (e.g. regulated medical-waste reduction and device reprocessing). These investments will position us to achieve a 50% reduction by 2030.

2031–2050

Long-Term Goals

Achieve net-zero emissions by fully decarbonizing operations and offsetting residual emissions. This phase will build on sustained infrastructure transformation, increased reliance on renewable energy, and systemic improvements such as enhanced climate resilience planning. By this stage, we will ensure that Montefiore Einstein is meeting its Health Care Without Harm's Health Sector CARES Pledge and NYSIF Climate Action commitments while setting a standard for climate-resilient healthcare.

Montefiore Einstein's decarbonization efforts are deeply embedded into our operational strategy; our financial planning; and our mission to deliver equitable, sustainable healthcare. With rigorous audits, strategic investments and a relentless focus on climate justice, we are setting a standard for climate leadership in the healthcare sector.

Academic Leadership

As an academic medical center, Montefiore Einstein has a responsibility not only to heal today but to train the clinicians, scientists and leaders who will shape the healthcare systems of tomorrow. Our sustainability strategy includes a strong emphasis on education, research and curriculum transformation, ensuring that planetary health is embedded across medical and graduate education.

Montefiore Einstein is also a part of NYSERDA's Clean Green Campuses initiative, a membership network of more than 150 colleges and universities across New York State exploring ways to lower carbon emissions and contribute to a just energy transition.

In 2024–2025, we deepened our academic commitment to sustainability across three pillars:

1. Clean-energy investment and greenhouse-gas reduction
2. Research and development and clean-energy curricula
3. Community engagement

Through this partnership, we will share our clean-energy and carbon-reduction progress with NYSERDA, gain access to resources and best practices, and receive recognition for our sustainability achievements. Joining Clean Green Campuses alongside so many other institutions strengthens our collective impact and positions Montefiore Einstein as a leader in the transition to a low-carbon future.

Curriculum Integration and Sustainability Education

This past year, planetary health content was integrated into six of 10 core medical courses. This work was led in part by members of the **Einstein Sustainability Club**, which partnered with course directors and faculty to embed climate-related learning objectives, pilot new assessments and facilitate faculty engagement.

In collaboration with Mark Rubin, MD, for example, students Jordan Giordano and Hyun Song helped integrate topics such as food systems, climate-driven gastrointestinal illness and sustainable healthcare practices into the gastrointestinal curriculum, resulting in a comprehensive module on the intersection between environment and digestive health.

This model of collaboration is expanding across departments, as more course directors and Sustainability Champions identify opportunities to embed environmental health through preclinical and clinical education. Looking ahead, the club is actively exploring avenues to incorporate environmental health history-taking into additional preclinical courses.

"At Albert Einstein College of Medicine, we recognize that training the next generation of physicians means preparing them to address the interconnected challenges of human and planetary health. Our students are leading the way in integrating sustainability into medical education, and we're proud to support their efforts to embed climate consciousness into clinical training. The future of medicine depends on physicians who understand that caring for patients means caring for the environment they live in."

Jennifer Garner, MSW
Unified Administrator, Senior Director, Medicine
Montefiore Einstein
Senior Associate Dean, Finance and Operations
Albert Einstein College of Medicine

Student Leadership and Cross-Sector Collaboration

The Einstein Sustainability Club continues to be a powerful driver of student-led innovation, education and environmental advocacy. In 2024–2025, the club played a leading role in advancing sustainability through curriculum integration, campus engagement and clinical transformation.

The club's collaborative approach with residents and faculty through the Montefiore Einstein Environmental Advocacy Committee (EAC) has created a vital bridge between student learning and clinical practice, with students regularly receiving updates on research, projects and events while contributing to practical sustainability initiatives that impact patient care. Student efforts have made a lasting impact in the classroom and across campus operations and community engagement, demonstrating that healthcare professionals are uniquely positioned to address climate change impacts on health and creating growing momentum that extends from curriculum integration to real-world clinical applications.

Einstein Sustainability Club Key Initiatives

Planetary Health Report Card Achievement

Completed its annual evaluation of Einstein's curriculum, community outreach and research, achieving its highest score yet with a C+ rating—an improvement from all previous years, demonstrating measurable institutional progress.

Campus and Community Engagement

Organized educational workshops, wellness events, clothing swaps, cleanups and fundraisers in partnership with campus operations and local groups.

Research and Clinical Integration

Launched an Environmental Stewardship Working Group under the existing EAC, identifying new opportunities for clinical sustainability and diagnostic stewardship.

Current research projects include antibiotic resistance, sustainable lab testing and carbon-footprint analysis.

Academic Conference Participation

Presented at the Sustainable Healthcare Academic Research and Enterprise conference with a poster on "Planetary Health at Einstein: Social Advocacy, Student-Led Strengths and Institutional Gaps."

Earth Day Leadership

Played a key role in the 2025 Earth Day programming, leading the Future Leaders Panel discussion on sustainability in medical education and promoting interdepartmental collaboration across research, operations and medical education.

For the 2025–2026 academic year and beyond, Montefiore Einstein will engage further with students and faculty, keeping all members of our academic community informed in real time of our sustainability efforts and their impacts on Albert Einstein College of Medicine. We have revamped the college's sustainability leadership efforts, creating a new sustainability function within Energy Management and Facilities. Having a campus-dedicated sustainability manager will enable us to work directly on the ground with students, faculty and staff and listen to their feedback on a daily basis. Community members on campus have identified sustainability measures such as enhanced composting, advanced recycling and gas-to-electric kitchen conversion in student housing. In 2026, we will work to bring these items from concepts to actionable, measurable projects.

"I feel like, with the knowledge that I've gained, I can think through patients, diagnosis and how they're presenting and think how the environment or their home environment impacts them. And that's something that, due to this club in part, I was able to have exposure to an education on. And even a few years ago, that didn't exist."

Jessica Weinberg, MD Candidate, Class of 2027
Albert Einstein College of Medicine

Regional Collaboration

Montefiore Einstein is deeply rooted in the Bronx and the New York Metropolitan Area. As a healthcare anchor institution, we recognize that our responsibility extends beyond hospital walls. Through regional partnerships, we are advancing environmental health, climate resilience and community well-being, especially in neighborhoods disproportionately burdened by pollution, disinvestment and climate risk.

Community-Based Environmental Partnerships

Montefiore Einstein's sustainability mission extends far beyond hospital walls. Our partnerships with local organizations connect environmental justice, food access and public health, transforming shared green spaces into platforms for healing, learning and community resilience.

The Bronx Food & Farm Tour: Connecting Health, Sustainability and Community

A cornerstone of Montefiore Einstein's community engagement, the Bronx Food & Farm Tour is a curated journey through the borough's expanding network of urban agriculture, green infrastructure and environmental justice efforts. The tour brings together community partners, residents and advocates to explore the dynamic connections between food systems, environmental conditions and public health outcomes.

Each stop on the tour reveals a different aspect of the same urgent story: how access to nutritious, culturally relevant food; clean air and water; and safe, restorative outdoor space is essential for community health and resilience. Recent tours have featured the Foodway, an edible forest maintained by Youth Ministries for Peace and Justice, as well as programming supported by the New York Botanical Garden's Green-Up program.

As part of Bronx Week 2024, the first tour of the season welcomed more than 70 participants to sites that were once industrial or environmentally degraded and have since been transformed into thriving green spaces. These sites not only support physical health but also provide space for learning, connection and healing.

Montefiore Einstein's support of the Bronx Food & Farm Tour reflects its broader commitment to addressing the social and environmental determinants of health. By investing in partnerships that expand access to nature, foster community cohesion and support local leadership, Montefiore Einstein affirms its role as an anchor institution, one that actively participates in the long-term well-being and sustainability of the Bronx. The tour is one of many ways the health system supports and celebrates grassroots transformation and community-led solutions to environmental injustice.

"There are these things called the 'social determinants of health'—external factors that directly affect our health outcomes. Whether you feel safe in your community; have access to green space, clean air, or quality education—all of these environmental factors shape the quality of life you're able to live. At Montefiore Einstein, we believe that the medicine and magic that happen within our hospital walls must extend into the community if we're going to give people a real chance at living healthier lives."

Melissa Cebollero, Associate Vice President Community Affairs

Attendees at the May 2025 Bronx Food & Farm Tour learned about the history of environmental justice movements in the Bronx's Mott Haven and Port Morris communities. The tour featured formerly toxic sites that are now blooming green spaces.

Run for the Wild: Promoting Health and Nature Access Through Movement

Montefiore Einstein is also a proud annual sponsor of the Run for the Wild, a 5K run and family-friendly 3K run/walk fundraiser hosted by the Wildlife Conservation Society (WCS) at the Bronx Zoo. Now in its 17th year of continuous support, Montefiore Einstein has partnered with WCS since the event's inception in 2009. Each year, the event raises awareness and critical funding to protect wildlife and wild places, bringing thousands of participants together in support of conservation, education and environmental stewardship.

The event also promotes:

- **Community wellness** through accessible physical activity
- **Nature appreciation** within Bronx Park, one of New York City's largest and most valuable urban green spaces
- **Public education** on species protection and ecosystem health

Run for the Wild reflects Montefiore Einstein's holistic approach to community health by supporting movement, family-centered experiences and connection to the natural world in a uniquely Bronx setting.

The collaboration is rooted in shared history. WCS, Montefiore Einstein, Fordham University and the New York Botanical Garden, each a century-strong Bronx anchor institution, once formed the **Four Bronx Institutional Alliance (FIBIA)**, also known as the **Bronx Quad**. United by a commitment to science and sustainability, FIBIA advanced cross-sector research and advocated for public infrastructure improvements, including sustainable upgrades to Mosholu Parkway. That legacy lives on through the **Bronx Science Consortium**, where Montefiore Einstein continues to collaborate on research, student engagement and public outreach at the intersection of health and the environment.

By supporting initiatives like Run for the Wild, Montefiore Einstein underscores its belief that protecting nature and supporting public health are deeply interconnected.

Wildlife Conservation Society

"Montefiore Einstein and WCS's Bronx Zoo share more than a borough; we share a mission to improve lives. A healthy environment is the foundation for healthy people, and when the environment thrives, people thrive. Whether it's advancing wellness through outdoor experiences, inspiring families to get active at our Run for the Wild or finding new ways to connect people with nature, our work together reflects a deep commitment to the Bronx. Side by side, we're proud to serve as trusted institutions that strengthen the fabric of our community."

John Calvelli, Executive Vice President, Public Affairs, Wildlife Conservation Society

Youth Ministries for Peace and Justice: Environmental Justice as Public Health

Montefiore Einstein's partnership with Youth Ministries for Peace and Justice (YMPJ) reflects our commitment to addressing the social and environmental determinants of health. Based in the South Bronx, YMPJ empowers local youth and families through community organizing, environmental restoration and food sovereignty initiatives.

One of YMPJ's most notable projects is the Bronx River Foodway, a community-led public food forest that grows free, edible plants while serving as a hub for environmental education and cultural connection. By increasing access to fresh, local food and reclaiming public space for community benefit, YMPJ's work directly supports public health and environmental justice.

YMPJ is part of a broader coalition of Bronx-based environmental justice groups that we partner with, including the Bronx River Alliance and Rocking the Boat. While each organization brings a unique approach, from river cleanups and ecological restoration to youth-led boat-building and outdoor education, they are united by a shared goal: advancing health equity through environmental stewardship.

Through sponsorships, joint programming and community storytelling, Montefiore Einstein works alongside these organizations to amplify their impact. In doing so, we deepen our understanding of climate resilience, environmental justice and the local conditions that shape community health, key pillars of our sustainability strategy.

Bronx River Alliance

Montefiore Einstein is honored to support the Bronx River Alliance as a Blueway Sponsor for the 2025 Amazing Bronx River Flotilla and host to the alliance's Environmental Education and Leadership for Students (EELS) program at Albert Einstein College of Medicine. Through the EELS program, 20 rising 11th- and 12th-graders from underserved communities across New York City visited our laboratories, where they practiced procedures like gel electrophoresis and met with a panel of doctors and researchers to explore how environmental factors impact pulmonary health and genetics.

Our partnership reflects our shared understanding that the health of our patients and communities is directly connected to the health of New York City's only freshwater river, the Bronx River. The Bronx River Alliance's work in ecological restoration, community engagement and environmental education creates healthier communities and more resilient neighborhoods—work that directly supports our mission to heal, teach, discover and advance health.

The Bronx River Alliance is a national model for how local residents can work with government and local institutions to reclaim and restore unique natural areas while building community. Its ongoing efforts to make New York City's only freshwater river fishable and swimmable are important to the health of the Bronx.

Montefiore Einstein has a significant presence in the 23-mile-long Bronx River watershed, with sites in five Bronx neighborhoods and four Westchester County municipalities that are within walking distance of the river and its parks. We look forward to raising awareness with our patients and staff about the unique waterfront parks, forested trails and extensive greenway surrounding the river.

Partner Organizations Advancing Environmental Health

Montefiore Einstein also works closely with:

- **Rocking the Boat:** Teaching Bronx youth wooden-boat-building, sailing and environmental restoration while fostering stewardship of the Bronx River
- **NYC Parks:** Supporting park maintenance and preservation, including upcoming volunteer service days led by our Department of General Internal Medicine
- **New York Botanical Garden's Bronx Green-Up Program:** Providing resources, training and ongoing support to local community gardens; cofounder of the Bronx Food & Farm Tour
- **Van Cortlandt Park Alliance:** Supporting a seasonal, youth-run farmers market offering healthy produce to the surrounding community

Celebrating the restoration of New York City's only freshwater river with dozens of partners and more than 130 paddlers, Bronx River Alliance Executive Director Siddhartha Sanchez joined Marcos Crespo, SVP, Community Affairs, Montefiore Einstein, during the 2025 Bronx River Flotilla through unique old-growth floodplain forests in Bronx Park and the New York Botanical Garden.

"Our work with Montefiore Einstein reminds us that healing doesn't just happen in hospitals—it happens along the riverbanks and in parks, in classrooms and in the hearts of young people discovering their power to build a healthy, vibrant Bronx. Together, we're showing that the health of our communities and the health of the Bronx River are deeply connected. When we invest in both, we're investing in a future where the Bronx can truly breathe, learn and thrive."

Siddhartha Sanchez, Executive Director, Bronx River Alliance

Other Community Partnerships Supporting a Healthy Bronx

While many of our partnerships directly address environmental health, others strengthen social and economic conditions that contribute to community well-being:

Local tenant and homeowner associations

Allerton Avenue Homeowners and Tenants Association, Van Nest Neighborhood Alliance and Morris Park Community Association—working together on neighborhood safety, cleanliness and transit improvements like the new Morris Park Metro-North Station

Colleges and universities

Collaborations with Lehman College, Hostos Community College and Bronx Community College on strategic projects and workforce development

Arts and culture organizations

Mind-Builders Creative Arts Center, Bronx Children's Museum and Bronx Museum of the Arts, fostering creativity and cultural connection

Youth and senior services

Partnerships with YMCA, R.A.I.N. Total Care Inc. and the New York City Office for the Aging to provide resources and programming across generations

Business and industry groups

Westchester County Association, Business Council of Westchester and Bronx Chamber of Commerce, supporting economic growth and local procurement

Youth workforce development

Programs like the Mount Vernon Healthcare Academy, which provided 24 young women from Mount Vernon with a six-month internship exploring healthcare careers, from radiology to IT to research

Clean Energy and Policy Engagement

In addition to community engagement, Montefiore Einstein is playing a leadership role in advancing clean-energy adoption and policy collaboration at the regional level.

- Through our active participation with the Greater New York Hospital Association (GNYHA), we engage in biweekly calls with other New York City hospitals and work directly with city agencies to promote LL97 compliance and decarbonization initiatives. We directly support GNYHA's policy engagements on environmental and climate issues.
- As a signatory to the NYSIF Climate Action Plan, we are helping pilot decarbonization strategies for large health systems and sharing data with state agencies.
- Our membership in Clean Green Campuses aligns us with more than 150 institutions statewide in a commitment to clean-energy education, emissions reduction and equitable infrastructure investments.
- Montefiore Einstein representatives have presented at regional forums on climate-smart healthcare and environmental justice in healthcare planning.

Shared Resources and Knowledge Exchange

Montefiore Einstein recognizes that meaningful progress on sustainability and environmental health requires collaboration across the healthcare sector and broader community. As both a large health system and a committed regional partner, we are actively working to share knowledge, resources and best practices to accelerate systemwide change throughout the New York Metropolitan Area.

We contribute expertise and leadership to regional working groups focused on decarbonization strategies and green building standards, helping develop frameworks that can be adopted by health systems of all sizes. Additionally, we have opened select sustainability workshops and training sessions to external healthcare partners and local nonprofits, extending our capacity-building efforts to organizations that may lack resources to develop these programs independently.

We also participate in cross-sector discussions about environmental justice, climate resilience and sustainable healthcare delivery, bringing both our operational experience and deep community connections to these conversations. By sharing our successes, challenges and lessons learned, we help other organizations accelerate their own sustainability journeys while continuously learning from their experiences.

Our role as both a resource hub and a regional partner enables us to lead by example while contributing to the broader transformation of healthcare delivery in an era of climate change.

Employee Engagement

Montefiore Einstein recognizes that meaningful climate action and sustainability require more than operational changes. Rather, they require widespread, innovative engagement across our community. From residents pioneering clinical research to engineers optimizing building systems, from students integrating planetary health into medical education to faculty reimagining care delivery, our approach to environmental stewardship is fundamentally collaborative.

This engagement strategy is built on three core principles: 1) education that connects environmental health to clinical excellence; 2) empowerment that gives staff the tools and support to lead change within their departments; and 3) collaboration that breaks down silos between disciplines, campuses and roles. Through resident-led advocacy committees, department-specific Green Teams, systemwide open forums and targeted clinical initiatives, we are creating pathways for all staff members to contribute to our sustainability goals while advancing their professional development and patient-care missions.

The initiatives highlighted in this section demonstrate how grassroots innovation, supported by institutional resources and leadership commitment, can drive both environmental impact and cultural transformation. Whether through reducing anesthetic-gas emissions in operating rooms, optimizing diagnostic testing protocols or building community partnerships around air quality, these efforts reflect our belief that the most effective and sustainable changes emerge when clinical expertise meets environmental consciousness.

Our employee engagement work is about building the next generation of healthcare leaders who understand that caring for patients means caring for the planet they inhabit. Through comprehensive education, hands-on research opportunities and recognition of innovative solutions, we are embedding sustainability into the DNA of Montefiore Einstein while creating a model that other health systems can adopt and scale.

Montefiore Einstein Environmental Advocacy Committee

The Environmental Advocacy Committee (EAC) at Montefiore Einstein is a resident-led initiative founded to confront the dual crisis of climate change and health inequity through education, research and system-level advocacy. Established by internal medicine residents Rahee Nerurkar, MD, and Emily Fishbein, MD, the committee has rapidly grown into a vibrant, interdisciplinary network spanning residents, medical students, fellows, faculty and sustainability staff across multiple specialties, including internal medicine, pediatrics, obstetrics/gynecology, radiology, family medicine and anesthesiology.


Rahee Nerukar, MD


Darlene LeFrancois, MD


Priya Nori, MD

The committee was created with three core aims:

1. **Increase climate crisis awareness** through climate health education to teach about the impact that the healthcare sector has on the environment and opportunities for improved sustainability.
2. **Advance institutional sustainability** by supporting research and quality-improvement projects and recruiting committee members across disciplines.
3. **Support staff well-being** by fostering a community of like-minded advocates and creating a central hub for resources and mentorship.

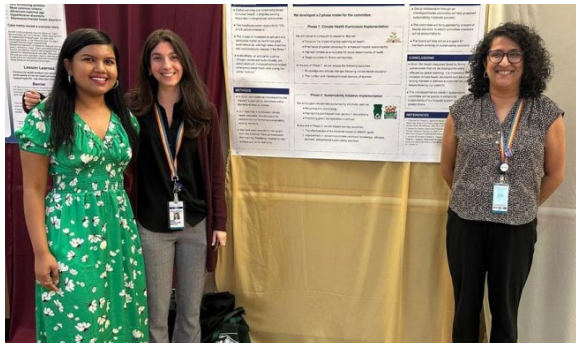
Supported by a faculty advisory board, including Darlene LeFrancois, MD, and Priya Nori, MD, and powered in part by a $5,000 AMA Reimagining Residency microgrant, the committee now includes more than 40 active members and continues to expand its influence across departments and disciplines.

Members can participate at varying levels of commitment, ranging from receiving newsletters and educational updates to leading research projects and climate talks.

1. Climate Health Education

EAC residents have delivered targeted educational sessions during resident "noon conferences," customized to each specialty. For example, the EAC worked with Obstetrics & Gynecology and Women's Health resident Katherine Panushka, MD, to present on reproductive health and climate. Participant surveys reveal that these sessions have demonstrated measurable impacts: Participants reported increased knowledge of climate health, greater willingness to counsel patients on adaptation strategies and improved readiness to engage in environmental advocacy.

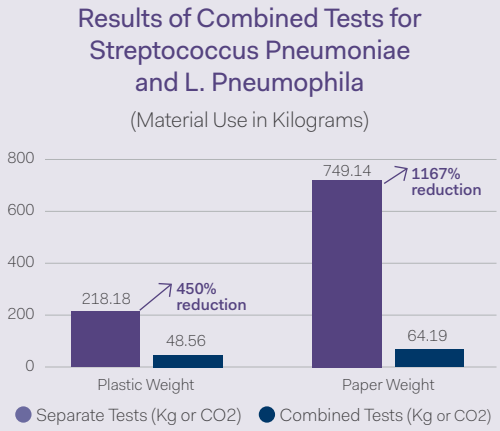
The group also brought Satchit Balsari, MD, MPH, to Montefiore Einstein for a Department of Medicine Grand Rounds session, "Human Health in Our Warming World," highlighting cutting-edge global health research.



EAC poster presentation on the impact of climate health education and its impact on health in the Bronx for medical residents' understanding.

2. Environmental Stewardship Working Group

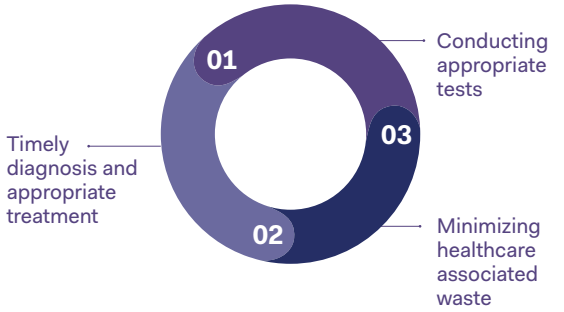
The EAC frames diagnostic and therapeutic stewardship as environmental stewardship, linking evidence-based testing and treatment with emissions reduction. A standout success was the combined pneumonia/urine antigen test initiative, which replaced two frequently co-ordered tests (for *Streptococcus pneumoniae and Legionella pneumophila*) with a single, more efficient version.



An environmental audit of the change revealed:

- **4.34 kilograms** of carbon dioxide emissions avoided, equivalent to **8,480** plastic water bottles
- A **449% reduction** in plastic use and a **1,167% reduction** in paper use
- **Zero disruption** to clinical workflow

ESWG Combined Test Model



This initiative demonstrates how thoughtful diagnostic practices can yield real environmental benefits without compromising care, setting a precedent for future efforts in sustainable clinical decision-making.

Building on this success, the EAC looks to initiate future projects, including evaluating serum protein electrophoresis overuse and optimizing lab-draw frequency for dialysis patients to reduce redundant testing and its associated carbon impact.

"Environmental stewardship is an integral part of the healthcare value equation. The EAC develops and shares sustainable solutions in medical education, clinical practice and institutional operations to serve our patients and community."

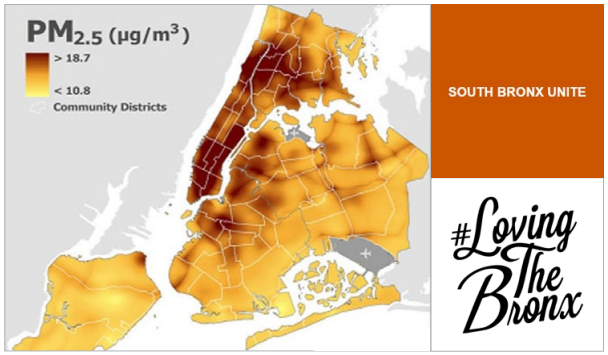
Darlene LeFrancois, MD

3. Air Quality Democratization

The EAC is tackling one of the Bronx's most urgent environmental health challenges: air pollution and its role in the borough's asthma crisis. Asthma rates in the Bronx are nearly three times the national average, and the borough accounts for a quarter of all asthma-related deaths in New York State. One major contributor is exposure to fine particulate matter ($PM_{2.5}$), which is consistently elevated in many Bronx neighborhoods.

Principal investigators Rahee Nerurkar, MD, and Shitij Arora, MD, in collaboration with Montefiore Einstein faculty member and asthma expert Sunit Jariwala, MD, and environmental intelligence company Ambee, are leading a groundbreaking study to develop a mobile app that:

- Integrates real-time local air-quality data
- Sends alerts when pollution spikes
- Offers mitigation strategies (e.g. masking, staying indoors)
- Collects patient-reported symptoms and quality-of-life metrics



The project is being designed with input from community partners like South Bronx Unite and Loving the Bronx, ensuring the tool is both locally relevant and grounded in environmental justice. The goal is to reduce emergency-room visits, improve day-to-day health and empower residents with information that is often difficult to access or interpret.

This work highlights the EAC's commitment to linking clinical care, public health and sustainability. By turning environmental data into practical tools, the EAC is helping patients and communities take control of their health in the face of growing climate threats.

"Ambee's environmental intelligence platform represents a transformative approach to preventive asthma care, providing real-time, actionable data that empowers patients to anticipate and avoid environmental triggers before they cause exacerbations. This study will demonstrate how precision environmental monitoring can reduce healthcare disparities and improve outcomes for the Bronx's most vulnerable asthma patients."

Shitij Arora, MD

Culture Change and Systemic Impact

The EAC's work is grounded in a systems-thinking approach. Committee members collaborate directly with labs, procurement, faculty and IT to build change that is clinically sound, workflow-compatible and scalable.

Importantly, the EAC is also helping shift institutional culture by:

- Encouraging clinicians to understand the full life-cycle impact of their orders
- Training residents to think critically about overuse and sustainability
- Building a pipeline of environmentally conscious healthcare leaders

> "Research has shown that through engaging with advocacy, and also by discussing climate with our patients and with our peers, we can feel a little bit more well."
>
> Rahee Nerurkar, MD

The EAC sees its work not only as sustainability-focused but as a reflection of good medicine. It is about reducing waste, advancing health equity, supporting clinical excellence, and building long-term resilience. The EAC is demonstrating what this looks like in practice, from the ground up.

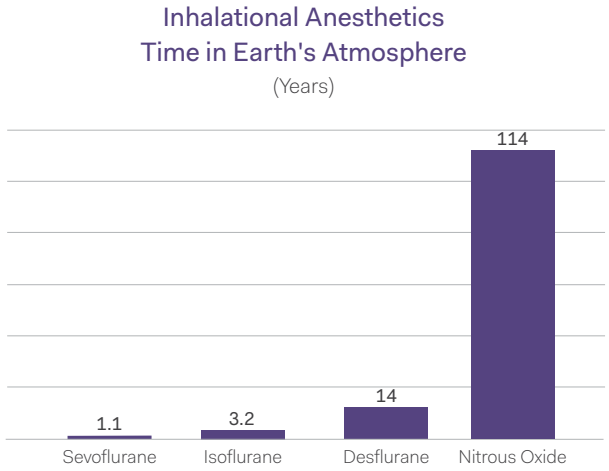
Clinical Sustainability Initiatives

Reducing the Impact of Anesthetic Gas

Montefiore Einstein's Department of Anesthesiology continues to pursue sustainability efforts in the operating room through judicious employment of volatile-anesthetic use and pharmaceutical waste-reduction strategies. Spearheaded by Irene Osborn, MD, and Jessica Yeh, MD, the initiative promotes the responsible utilization of anesthetic agents, with a focus on reducing the use of high-global-warming-potential gases, particularly desflurane and nitrous oxide[2], when clinically appropriate. This ongoing effort has been supported by clinical education, technological integration and quality-improvement efforts.

Irene Osborn, MD

Jessica Yeh, MD



Over the past several years, the team has dramatically reduced desflurane use. Low-flow anesthesia is also encouraged when inhaled anesthetics are employed due to the benefits of reducing volatile anesthetic waste, lowering costs and decreasing greenhouse-gas emissions.[3,4]

To sustain progress and drive continued improvement, the department has implemented access to EMR-based data, allowing for evaluation of changes in volatile-anesthetic usage, gas flow rates and overall anesthetic carbon emissions.

The department has introduced the following initiatives:

- Pilot implementation of EMR Practice Advisory notification as a reminder to reduce fresh gas flows intraoperatively
- Low-flow anesthesia-machine default settings for pediatric cases
- Eco-flow anesthesia machine piloted to support real-time monitoring and reduce excess gas flow
- Implementation of appropriate medication vial sizes and syringe concentrations to reduce waste and minimize medication dosing errors
- Clinical review of desflurane's value and overall cost of care, with plans to publish findings on outcomes and care quality
- Ongoing education for residents, faculty and rotating staff

These initiatives exemplify how clinician-led, data-informed action can reduce emissions while maintaining the highest standards of care and how even complex clinical environments can shift toward more sustainable practices through collaboration, transparency and a culture of continuous learning.

[2] Sherman J, Le C, Lamers V, Eckelman M. Life cycle greenhouse gas emissions of anesthetic drugs. *Anesth Analg*. 2012;114(5):1086–1090.
[3] Ryan SM, Nielsen CJ. Global warming potential of inhaled anesthetics: application to clinical use. *Anesth Analg*. 2010;111(1):92–98.
[4] Feldman JM. Managing fresh gas flow to reduce environmental contamination. *Anesth Analg*. 2012;114(5):1093–1101.

Radiology

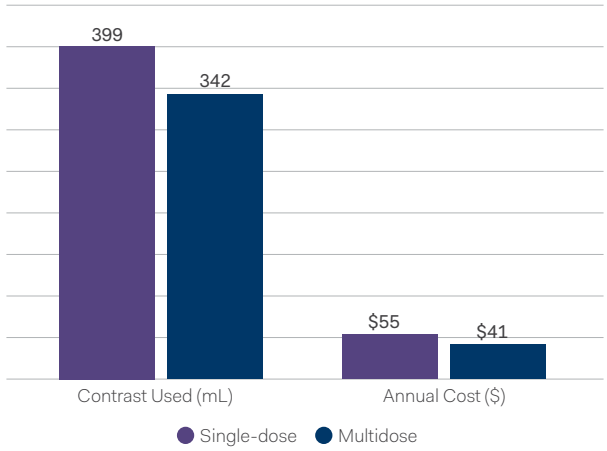
Montefiore Einstein Radiology has begun rethinking how imaging materials are used—and wasted. Historically, CT scans relied on single-dose bottles of iodine-based IV contrast, which often left unused material that had to be discarded. At first glance, the shift to 500-milliliter multidose bottles might seem like a small operational tweak. But in high-volume departments like Radiology, where hundreds of kilograms of glass are discarded and tens of thousands of milliliters of contrast go unused each year, even modest changes can scale quickly. What started as a simple efficiency measure at one site has become a model for how thoughtful, clinician-led decisions can deliver real environmental impact without disrupting care.

Two years ago, Robert Berkenblit, MD, FACR, and his team at Montefiore Advanced Imaging at Greene Medical Arts Pavilion decided to try something different: 500-milliliter multidose contrast bottles. With a single bottle serving multiple patients, waste was significantly reduced. Even with the occasional no-show or low-volume day, the environmental and financial benefits were clear. A one-scanner projection over the course of a year showed:

The switch to multidose contrast bottles resulted in more than 57,000 milliliters less contrast used annually, $12,000 in cost savings and a 155-kilogram reduction in landfill waste from packaging.

Zooming out, the potential impact across the full Radiology network consisting of 16 CT scanners, many running 24/7, is considerable. Further, the shift didn't require any new equipment or major investment—simply a shift in practical changes and engaged staff.

Comparing Contrast Bottle Type Usage
(Metric in Thousands)



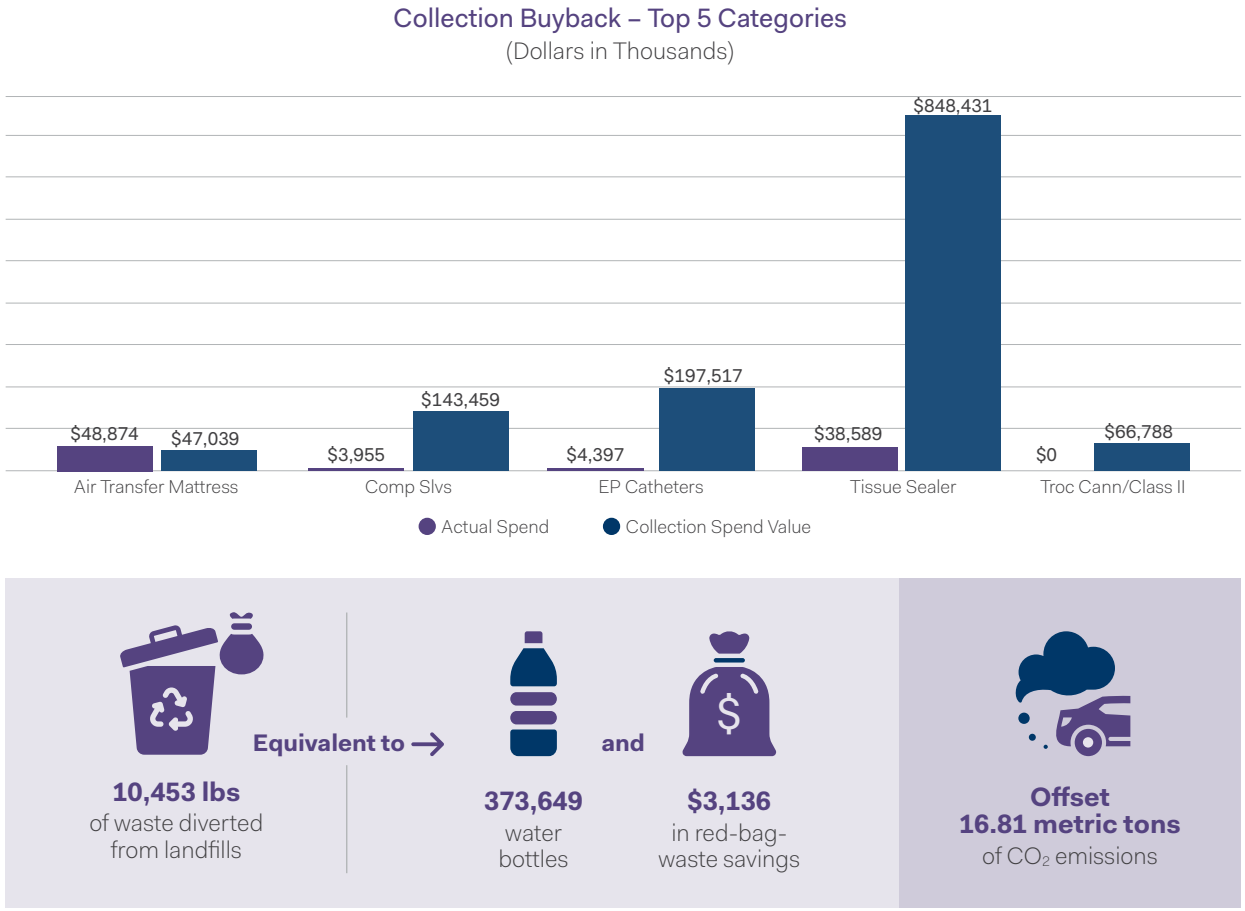
Montefiore Einstein Radiology is now working to expand this model to MRI contrast use and is exploring options for recycling discarded glass bottles. But more broadly, this project reflects the impact of clinician-led grassroots initiatives to drive system-level changes. When clinical teams are empowered to lead, solutions emerge that are effective and sustainable operationally, financially and environmentally.

The success of this initiative underscores the opportunity that exists across healthcare to rethink daily practices. When local innovations are supported and scaled, they can ripple across an entire system, transforming routine care into a platform for long-term environmental stewardship.

ENT-Led Device-Reprocessing Program

Led by John P. Bent, MD, Montefiore Einstein's Department of Otorhinolaryngology (ENT) launched a surgical-device-reprocessing initiative to reduce operating-room waste and cut costs.

- **The Problem:** Single-use devices (SUDs) are widely used in surgery but generate large amounts of waste and carbon emissions. Studies show that SUDs can produce up to 10 times more carbon dioxide than reusable alternatives and cost significantly more per use.
- **The Strategy:** FDA-approved reprocessed versions of surgical tools are being collected and repurchased through a partnership with Medline Reprocessing. Dr. Bent is leading efforts to increase awareness of the program among fellow ENT surgeons and, more recently, across other surgical subspecialties, such as pediatric surgery.
- **Progress So Far:** At our Moses Campus, reprocessing compliance has steadily increased. For example, return rates for microdebrider adenoid blades rose from 0 in January to more than 50% in May.
- **Projected Impact:** Montefiore used 655 RADenoid blades last year at a cost of $103,000; therefore, a reprocessing program could yield major savings. A national reprocessing effort in 2021 saved U.S. hospitals $412 million and diverted 20 million pounds of waste.
- **Clinical Quality:** A blind study is under way to confirm that reprocessed devices perform as well as new ones in specific procedures.



Medical-Device Reprocessing

Over the past 18 months, Montefiore Einstein's partnership with Medline Reprocessing has expanded beyond ENT's initial success. The broader medical-device reprocessing program collected more than 29,000 medical devices, creating more than $120,000 in savings.

This achievement kept more than 10,400 pounds of waste out of landfills, the same as removing more than 373,000 water bottles from the environment, preventing nearly 17 metric tons of carbon dioxide emissions.

MEDLINE ReNewal™ Full Circle Reprocessing

Requisition-Printing Waste-Reduction Project

Led by Andrew H. Telzak, MD, and David S. Herszenson, MD, MPH, Montefiore Einstein is reducing paper waste and improving operational efficiency by addressing unnecessary requisition printing in the electronic health record system.

The Problems

- **Imaging Requisitions:** When a new outpatient imaging site was added, the additional contact information caused imaging requisitions to print on two pages instead of one, leading to increased paper waste.
- **Lab Requisitions:** For more than a decade, every lab-test order in the EPIC system has automatically generated a printed paper requisition, even when not needed, resulting in thousands of unnecessary pages printed annually. Data collected at one practice site revealed that an average of approximately 1.75 sheets of paper were printed for each visit for lab requisitions alone.

Strategy and Progress

Over several months, physicians partnered with IT, Radiology and administrative teams to implement solutions:

- Imaging requisition formatting was streamlined, returning forms to a single page in early 2024.
- Following initial planning meetings in late 2024, lab-requisition printing defaults were successfully disabled at Via Verde in July 2025. The program expanded to the Comprehensive Health Care Center in September 2025 after Via Verde staff reported significant benefits, including noticeable reductions in paper waste, fewer printing-related disruptions during patient visits, and cost savings on paper and toner purchases.
- Building on these successes, the team began a broader rollout to additional Montefiore Medical Group locations in fall 2025.

Projected Impact

Once the program expands systemwide across all Montefiore Einstein locations, the impact will be substantial. With approximately 438,000 visits across Montefiore Medical Group annually, systemwide elimination of unnecessary lab-requisition printing is projected to save more than 766,000 pages of paper each year.

Projected Paper Savings	Annual Cost Savings	Environmental Benefits
More than **15,000** reams of paper	Approximately **$125,000**	Nearly **100 trees** saved each year

Based on comprehensive data analysis using 2024 baseline data

Staff Education and Engagement

Montefiore Einstein prioritizes staff education and engagement to advance sustainability through comprehensive training, departmental Green Teams and ongoing communication.

Training Programs

Regular sessions on energy efficiency, waste reduction and climate impacts for key teams like facilities, procurement and clinical staff.

Green Teams

Established across more than 10 medical departments, these teams champion sustainability efforts, share best practices and implement eco-friendly initiatives, supported by dedicated resources.

Internal Communication

Sustainability progress, success stories and upcoming initiatives are shared through newsletters, town halls and intranet platforms to keep staff informed and engaged.

Sustainability Open Hours Program

Montefiore Einstein's Sustainability Open Hours program has become a cornerstone of our internal engagement strategy, providing a consistent, inclusive platform for staff across campuses and departments to learn, contribute and connect around environmental sustainability.

Held on the third Friday of every month, these sessions offer updates on organizational sustainability goals, deep dives into active programs, and presentations from clinical and operational leaders who are advancing green initiatives on the ground. The sessions are open to all staff, with attendees regularly joining from engineering, facilities, clinical departments, pharmacy, environmental services, IT, medical education and student leadership groups.

Since launching in December 2024, the Open Hours series has drawn more than 200 participants, with attendance steadily growing month over month. Each session features presentations from program leaders, resident researchers and departmental champions who share practical tools, challenges and successes in reducing emissions, managing waste and rethinking clinical workflows.

Topics have included:

- Anesthesia emissions reduction with Jessica Yeh, MD
- Radiology contrast optimization with Robert Berkenblit, MD, FACR
- Medical-device reprocessing with Anthony Rovasio (Medline ReNewal), including a spotlight on ENT-led programs
- EAC initiatives with Rahee Nerurkar, MD, highlighting curriculum integration and climate-health research

The sessions also serve as a key platform for launching and scaling Green Teams, disseminating tools and templates for project planning and waste tracking, recruiting staff for training programs and recognition initiatives, and highlighting partnerships with Practice Greenhealth and NYSIF.

With a focus on cross-departmental collaboration and peer learning, the Sustainability Open Hours program is helping embed environmental responsibility into the daily culture of Montefiore Einstein. Looking ahead, topics for upcoming sessions include water conservation, green building design and sustainable procurement, continuing to expand the scope of shared learning and institutional impact.

Climate Change Education: Workshops and lectures address the health impacts of climate change and climate justice, integrating this content into both staff development and medical education.

Earth Day

Our Earth Day 2025 programming was Montefiore Einstein's most comprehensive and collaborative to date, spanning two campuses; involving more than a dozen departments; and drawing participation from students, clinicians, researchers, engineers, community partners and administrative leaders. The initiative underscored our commitment to healthcare sustainability, linking environmental action to patient care, research innovation and education. Themed "Healthcare Sustainability: Leading Change Through Innovation," this year's events provided a dynamic platform to celebrate achievements, share best practices and build momentum across the system.

Highlights included:

Panels featuring students, researchers, clinicians and faculty

Attendees heard from members of the EAC, Einstein Student Sustainability Club and interdisciplinary medical teams conducting cutting-edge research on diagnostic stewardship and emissions reduction. One research panel focused on the environmental impact of combined urine antigen testing, revealing how a workflow change eliminated over 850 kilograms of waste and reduced emissions by 4.34 kilograms CO_2, without disrupting clinical operations.

Recognition of community and staff leadership

Montefiore Einstein celebrated the winners of our Practice Greenhealth Awards, honoring engineering leads from Einstein, Westchester Square and New Rochelle for advancing on-the-ground sustainability initiatives. The awards reflected not only operational achievements but also systemwide alignment with our climate and health goals.

Educational sessions on our decarbonization strategy

Engineering leadership presented updates on campus-specific decarbonization plans, LL97 compliance and the NYSIF Climate Action Pledge. These sessions walked attendees through our updated greenhouse-gas baseline, electrification roadmap and near-term goals to reach 30 pounds CO_2 equivalent per square foot.

Student-led programming and curriculum integration

The Future Leaders Panel showcased how students are driving sustainability in medical education, including the integration of environmental health into six organ systems courses and progress on the Planetary Health Report Card. Student advocates emphasized the growing demand for climate-literate physicians and shared their vision for embedding sustainability across all phases of training.

Networking and community-building opportunities

The events featured interactive partner expos, opportunities for collaboration across departments and the launch of new Green Teams. Staff also had the chance to engage with sustainability resources, sign up for advocate training and explore volunteer opportunities with local environmental justice organizations.

Building Tomorrow's Sustainable Healthcare

As we reflect on the remarkable progress documented in this report, from achieving a 30% reduction in greenhouse-gas emissions to pioneering clinical sustainability initiatives, we recognize that our most transformative work lies ahead. The momentum we have built has positioned Montefiore Einstein as a catalyst for systemic change in how medicine intersects with planetary health.

Expanding Our Impact

In the coming year, we will scale our most successful initiatives while launching bold, new programs across our C.A.R.E. framework:

Climate Action: We will accelerate infrastructure modernization with more than 100 EV charging stations, expand renewable energy and implement energy audit recommendations. Our pathway to 50% emissions reduction by 2030 will be marked by measurable quarterly milestones.

Academic Leadership: Planetary health integration will expand to all 10 core medical courses, while our EAC launches new research initiatives. We will formalize partnerships with other academic medical centers to share resources and best practices.

Regional Collaboration: Community partnerships will grow from programming to policy advocacy, working with environmental justice organizations to address health disparities through air-quality monitoring and expanded food-recovery programs.

Employee Engagement: Green Teams will expand to every major campus, Earth Day events will continue annually and sustainability competencies will be integrated into professional development.

Innovation at the Intersection of Care and Climate

The clinical sustainability initiatives in this report represent just the beginning of what is possible when clinicians lead environmental change. In 2026, we will launch a **Clinical Sustainability Innovation Lab**, expand diagnostic stewardship programs, pilot real-time carbon-tracking technologies and create sustainability research fellowships for the next generation of climate-conscious healthcare leaders.

Building Resilience for Tomorrow

Climate change demands that we strengthen our ability to deliver uninterrupted care during extreme weather events. Our enhanced resilience strategy includes advanced climate modeling, upgraded infrastructure, expanded community partnerships and integration of climate health considerations into all clinical protocols.

Leading Regional Change

Sustainable healthcare cannot be achieved in isolation. Montefiore Einstein will deepen its regional leadership by hosting the inaugural Bronx Climate Health Summit, launching a healthcare sustainability consortium, advocating for supportive policies and creating resources to help other health systems begin their sustainability journeys.

The Future We Are Building Together

Our vision is ambitious yet achievable: a healthcare system that heals communities while protecting the environment they depend on. Where every clinical decision considers both immediate patient needs and long-term planetary health. Where innovation, compassion and excellence transform how healthcare institutions relate to the world around them.

To our patients, families and communities: We are committed to demonstrating that exceptional healthcare and environmental stewardship are complementary expressions of our mission to heal, teach, discover and advance health.

To our staff and partners: Your creativity and leadership have made every achievement in this report possible. As we look ahead, we will continue providing the resources and recognition needed to scale your innovations and amplify your impact.

The health of our communities and the health of our planet are inseparable. At Montefiore Einstein, we are proving that caring for both is not just possible—it is the future of medicine.

Appendix

Independent Assurance Statement

Provided by ISOS Group, Inc.

To the Management Team of Montefiore Health System:

ISOS Group, Inc. ["ISOS" or "we"] were engaged by Montefiore Health System ["Client" or "MHS"] to conduct moderate level type 2 assurance of environmental data ["Reported Information"], covering the period beginning January 1, 2024 and ending December 31, 2024 ("CY24"). We have performed our moderate assurance engagement in accordance with the AccountAbility 1000 Assurance Standard v3 ("AA1000AS"). Our review was limited to the Reported Information comprising of:

- Energy consumption
- Scope 1, 2 and 3 GHG emissions

We have not performed any procedures with respect to other sustainability-related information and, therefore, no conclusion on information outside of this scope of work is expressed.

MHS's Responsibilities

The Company's management are responsible for:

- Preparing the data in accordance with generally accepted reporting practices,
- The accuracy and completeness of the information reported,
- The design, implementation and maintenance of internal controls relevant to the preparation of the report to provide reasonable assurance that the report is free from material misstatement, whether due to fraud or error,
- Ensuring the data performance is fairly stated in accordance with the applicable criteria and for the content and statements contained therein.

Criteria

The assurance process was intended to provide an independent opinion confirming that the Client has complied with procedures for data management at the company and minimized degrees of error by adequately:

1. Sourcing utility, vendor and internal data to populate relevant data management systems,
2. Enforcing management and quality controls across the reporting period,
3. Aggregating and converting metrics into the correct unit of measure, and
4. Calculating greenhouse gas emissions.

Boundary

Organizational Boundary	Montefiore is an academic health system in New York. It is comprised of 10 hospitals and more than 200 outpatient ambulatory care sites.
Assurance Boundary	The boundary of assurance included all three hundred and six (306) operational buildings in 2024, including owned and leased properties.
GHG Emissions Consolidation Approach	The GHG emissions boundary followed the operational control methodology specified in the GHG Protocol.

Limitations and Exclusions

Greenhouse gas quantification is unavoidably subject to inherent uncertainty because of both scientific and estimation uncertainty and for other non-financial performance information the precision of different measurement techniques may also vary. Furthermore, the nature and methods used to determine such information, as well as the measurement criteria and the precision thereof, may change over time. Several smaller scope 1 GHG emission sources (i.e., refrigerant releases, mobile combustion sources, emergency generators) have been excluded from this review. In instances where annual performance is reported in the aggregate, opportunity for data analysis is limited and it is less likely to uncover data errors, gaps, or anomalies. Reviews pertaining to the completeness and capture of all utility meters at properties is limited to what is

disclosed in data management systems. No visit to the Client's headquarters or facilities was conducted throughout this engagement. It was determined that these limitations and exclusions do not materially impact the performance criteria or assurance engagement.

Methodology

The assurance procedures undertaken were to determine the strength of the systems in place. ISOS Group:

- Evaluated current management systems for performance data collection, compilation, calculation, reporting, and validation,
- Validated alignment to standard reporting protocols to ensure accurate claims to the quantitative methodology and approach and assurance claims,
- To verify quantitative claims at the aggregate level and test accuracy, consistency, completeness, and reliability, ISOS Group:
  1. Conducted a portfolio assessment analyzing performance results to uncover any errors, misstatements, gaps, or performance anomalies, and
  2. Brought all findings to the Client's attention to address and confirmed resolution.
  3. Selected the following properties for testing and analysis, including cross-reference to primary source data to uncover variances and address any exclusions and other limitations:
     a. Moses Campus, Bronx, NY USA
     b. Albert Einstein College of Medicine, Bronx, NY USA

Findings

Based on the process and procedures conducted, there is no evidence that the Reported is not materially correct and provide a fair representation of the Client's environmental impacts to stakeholders for the stated period and reporting boundary.

Observations and Recommendations

Observations and recommendations include:

- These five entities are not confirmed to be reflected with the energy and GHG emissions inventory: Hudson Vista Medical PC, Hudson Vista Physician Services PC, Highland Medical PC, Bronx Community Health Network Inc. and Montefiore Westchester Community.
- MHS should expand the development of their Inventory Management Plan to detail and standardize data collection methods, responsibilities, and quality control standards. Notably, MHS needs to include a recalculation policy, referencing the significance threshold for recalculation due to structural changes, updates to calculation methodology, or due to calculation error and improve upon their data collection and review processes, per the additional observations below.
- Scope 3 Category 1 (Purchased Goods and Services) GHG emissions are likely overstated since the client chose to include spend related to rent and real estate taxes that could be reflected in their Scope 1 and 2 and Scope 3 Category 13 GHG emissions. These amounts are not material to the total Scope 3 GHG emissions reported but could be material to the Category 1 emissions reported.
- Scope 3 Category 4 (Upstream Transportation and Distribution) GHG emissions are likely understated and do not account for all transportation activities and related GHG emissions due to data inaccessibility. These amounts are not material to the total Scope 3 GHG emissions reported but could be material to the Category 4 emissions reported.
- Scope 3 Category 5 (Waste) GHG emissions are understated and do not account for activities within the following facilities due to data inaccessibility: 3636 Waldo, AECOM, Burke Rehabilitation, Hutch, Montefiore Medical Park, Tarrytown, Warehouse, Weiler - Offsite Properties, and Yonkers Campus. These amounts are not material to the total Scope 3 GHG emissions reported but could be material to the Category 5 emissions reported.

- Scope 3 Category 6 (Business Travel) GHG emissions are understated and do not account for all hotel and air travel and additional travel activities and related GHG emissions. These amounts are not material to the total Scope 3 GHG emissions reported but could be material to the Category 6 emissions reported.
- Scope 3 Category 9 (Downstream Transportation and Distribution) GHG emissions could be overstated due to potential duplication of patient commuting activity. These amounts are not material to the total Scope 3 GHG emissions reported but could be material to the Category 9 emissions reported.
- Scope 3 Category 13 (Downstream leased assets) contains combined GHG emissions for upstream and downstream leased assets, due to inability to separate these asset types.
- Scope 3 Category 15 (Investments) GHG emissions are a relevant source of emissions for MHS but are not included within this inventory due to data inaccessibility.

Restriction of Use

This assurance report is provided exclusively to the Client under the terms of our engagement, including agreed disclosure arrangements. Our work is intended solely to address the matters outlined in this moderate assurance report and is not intended for any other purpose. This report is not suitable for use or reliance by any party other than the Client. Any third party, accessing or relying on this report, does so at its own risk. To the fullest extent permitted by law, we disclaim any responsibility or liability to any party other than the Client for our work, this report, or the conclusions stated herein.

Statement of Competency and Independence

ISOS Group is an independent professional services firm that specializes in sustainability reporting and is a provider of external assurance services. ISOS Group is a Global Reporting Initiative Certified Training Partner and a CDP Silver Solutions Partner. Our team of experts have the technical expertise and competency to conduct assurance to the AA1000 assurance standard, which meets the criteria for assurance of sustainability information.

No member of the assurance team has any business relationship with the Client, its directors or managers beyond the scope of this assignment. We conducted this assurance independently and, to our knowledge, without any conflicts of interest. ISOS Group upholds a strong code of ethics, ensuring high professional standards in all business activities. The assurance team has extensive experience in conducting assurance engagements over sustainability-related information, systems and processes.

Further information, including a statement of competencies, can be found at www.isosgroup.com.

Signed on behalf of ISOS Group: San Diego, California – USA, April 10, 2025.

Brian Noveck
CSAP Practitioner

Lauren Anderson
ACSAP, Sustainability Manager

AA1000
Licensed Assurance Provider
000-284

Montefiore Einstein
111 East 210th Street
Bronx, New York 10467

Montefiore Einstein