



**Maryland
Green Registry
MEMBER**

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

Kite, a Gilead Company



Cell Therapy Manufacturing Facility
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Biopharmaceutical
Member since April 2023

Management and Leadership

Environmental Policy Statement

Our commitment to protect the environment and provide a healthy and safe workplace is evidenced by the strict environmental, health and safety practices we hold true. We encourage all management and staff to take a proud and proactive role in our commitment. And we continuously strive to improve our practices and raise our standards to make a positive impact on the workplace, marketplace, supply chain and the communities in which we do business.

<https://www.gilead.com/-/media/files/pdfs/other/ehs-commitment-statement-signed.pdf>

<https://www.gilead.com/purpose/esg>

Our facility in Maryland received the occupancy certification early in 2021 and gained FDA approval for commercial production of our CAR T-cell therapy product in 2022.

Environmental Team

Kite has an integrated Green Team for its location in Maryland, with a mission to continuously promote a green culture and to advocate for healthy, responsible practices at work and in our communities. Kite's Green Team members are ambassadors of positive change who challenge themselves and others to be environmental stewards. We

meet regularly and review environmental sustainability key actions and performance indicators for continuous improvement. The Team is a multi-functional group of volunteers promoting our sustainability initiatives and goals. Our Sustainability and Green Teams work to attract staff to actively participate by integrating sustainable practices into the daily operations at Kite. The goal is to develop a network of Green Team representatives to support strategic sustainability initiatives and influence the culture of our site employees. The Team organizes our annual Earth Day celebration, annual community outreach activities, promotes charitable contributions for Earth Day using the Gilead Giving Together Campaign, encourages participating in [Fill-it-Forward](#) program to reduce use of single-use drink containers, and encourages small behavioral changes to collectively make a large impact as a company and lessen our environmental footprint.

In addition, we have a dedicated Sustainability Team within the Facilities and Engineering/Environmental, Health and Safety function to advance the site's sustainability practices and strategy. The Sustainability Team developed a plan which includes strategic projects within the domains of water, energy and carbon reduction and performance measurement.

We leverage multiple channels of communication to reach our employees because everyone has a role to play. In addition to new hire orientation training, we communicate our goals, progress, events and/or programs to all site and company employees through our site-leadership updates email, an internal social network channel, and local and/or company-wide SharePoint sites.

Annual Environmental Goals

Kite as a company sets annual targets for energy and water reduction. Each Kite site, including the site in Frederick, MD, commits to energy and water reduction goals that roll up into the overall annual company target. In addition to the annual goals, the site has a goal to RE100 compliant by 2025 – which was achieved in 2022.

<https://www.gilead.com/purpose/esg>

<https://www.gilead.com/-/media/files/pdfs/yir-2022-pdfs/2022-Environmental-Social-Governance-Impact-Report.pdf>

Environmentally Preferable Products and Services

We use material that can be reused and recycled for our packaging. Our made-to-order patient therapies are transported in a reusable shipping container.

Environmentally Preferable Purchasing

Kite participates in Gilead's Responsible Sourcing Program, meeting an established criteria for inclusion and diversity, health and safety, human and labor rights, anti-corruption, environmental performance, and other supplier management considerations. Gilead also joined the Pharmaceutical Supply Chain Initiative (<https://pscinitiative.org/home>), with a goal of having preferred suppliers align with PSCI guidelines and have sustainability targets in place and regularly reviewed (<https://www.gilead.com/purpose/sustainability/our-business-is-sustainable>).

As part of Kite's Capital Engineering Projects, all new capital projects at Kite strive for LEED Silver or better. Kite's Maryland location is LEED Silver certified and is Electricity Net Carbon Zero through efficiency projects and purchases of Renewable Energy Credits.

Lastly, all Kite facilities partner with service providers to deliver more sustainable products than traditional sources, including supplies such as copier paper from bamboo paper or paper with at least 70% recycled content. We are using 70-100% recycled non-GMP paper or non-tree paper and purchase reusable and compostable food ware, other paper products, such as post-it notes with recycled content, and janitorial green cleaning products.

Environmental Restoration and Community Environmental Projects

Committed to Community Outreach Programs including Frederick County Park cleanup and the Frederick County Division of Public Works' Adopt-A-Road Program. We adopted the roads around the site.

Kite supports multiple local and regional community donations; we contribute to local communities where we live and work. Specific partnerships could be shared if needed, upon separate request. <https://www.gilead.com/purpose/partnerships-and-community>; <https://www.gilead.com/purpose/gilead-foundation>

Independently Audited Environmental Management Systems

Kite utilizes ERM (Environmental Resources Management) to provide independent Environmental Compliance and systems compliance auditing. In addition, Kite, through Gilead, uses Apex Auditing for sustainability data governance.

Waste

Solid Waste Reduction and Reuse

Kitchen and Cafe – Our café serves all prepared carry-out and drink items using only compostable or reusable items. Our kitchen collects food waste for compost and donates fresh foods to local charities.

Joined the Gilead Surplus Asset Management program to reuse equipment and materials/chemicals by internal or to external customers.

In 2021, we diverted 38% of waste from landfill, to currently 70% waste diverted from landfill (12-month rolling average).

Waste Goals:

- *Achieve Zero Waste to Landfill status by 2030*
- *Eliminate non-GMP single use plastics and materials by 2030*
- *100% product packaging widely recyclable or reusable where GMP permits by 2025*
- *Use 70% recycled content paper by 2025 and 100% by 2030*

Recycling

We have established recycling storage areas for these items:

- *Paper/cardboard products*
- *Metal, glass and plastic containers*
- *Printer cartridges*
- *Product Temperature Monitoring devices are sent back to supplier for refurbishment*
- *E-Waste and scrap metal*
- *Cooking Oil*

Composting

Kitchen and Cafe – Our café serves all prepared carry-out and drink items using only compostable or reusable items. We collect food waste and compostable materials and deliver to a local industrial composting company, called Key City Compost in Frederick, MD. We collect compostable items in all dining, break areas and bathrooms. We are consistently composting about 2 tons of waste/month. Our Kitchen donates fresh 'leftover' foods to local charities.

Hazardous Waste/Toxic Use Reduction

Minimal hazardous/toxic waste is produced by our operations.

No CFC-based Refrigerants were used in any cooling or refrigeration equipment.

We have a process to reuse chemicals that are unusable in our production process but are usable by other operational groups.

Energy

Energy Efficiency

An independent ASHRAE Level 3 energy and water audit was performed in July 2022 by eeCO2. The resulting report has provided a roadmap for the Kite Frederick site to progress towards Carbon NetZero operations.

Since the start of 2022, the Kite Frederick site has implemented several impactful energy and water reduction measures. The site Energy Team implemented a HVAC controls optimization effort that incorporated improved airside economizer operations and out of hours setbacks to name a few. This effort resulted in 3,200,000 kwh/yr in energy reduction/avoidance per independent measurement and verification.

Finally, the site is working to optimize the number of air changes per hour required to maintain cleanroom conditions. Moving air (air changes per hour) is the most significant energy user at the Kite Frederick site – and at most pharmaceutical/biotech facilities. These optimized air changes per hour are being implemented on new cleanroom production suites as they are brought online, thus ensuring these areas are operating as efficiently as possible from Day 1. Optimize the chiller plant to run at ideal conditions and lessen compressor/motor runtime to save energy.

Energy Goals:

- *Reduce Scope 1 and 2 Greenhouse Emissions by 46% by 2030 (From 2019 Baseline)*

Renewable Energy

As of January 1, 2023, the Kite Frederick site purchases bundled Green-e RECs for 100% of the site electricity. This is completed through a direct access agreement with Constellation energy. In 2022, the Kite Frederick site purchased unbundled Green-e RECs to cover 100% of the site electricity use. The current contract with Constellation covers through 2025.

An independent ASHRAE Level 3 energy and water audit was performed in July 2022 by eeCO2. The resulting report has provided a roadmap for the Kite Frederick site to progress towards Carbon NetZero operations.

The facility is purchasing 100% renewable energy for electricity. Additionally, energy efficiency will be optimized via building-level energy meters, a Smart LED lighting system equipped with room occupancy sensors and timer controls, and a dedication to renewable energy production.

- *100% renewable electricity in operations by 2025 (RE100)*
- *Achieve Carbon NetZero operations GHGs by 2030*
- *Reduce our Scope 3 GHGs by 15% by 2030*

Transportation



Employee Commute/Customer Travel

Kite has established a green commuting transportation program to help employees get to, from and around work. Unfortunately, public transportation is not offered around our facility. We are still able to take advantage of some of the benefits and the Kite's Transportation program offers to encourage employees into green commuting options and out of single occupancy vehicles. Kite has established an intranet website for green commuter programs applicable to the Kite Frederick site, which include:

Active transportation (walk, bike, roll): Locations maintain controlled-access bike lockers and racks on-site for bike storage for employee use. Short-term and long-term Bicycle storage facilities within 100ft of the entrances. Showers are available for use at TCF05 for staff who walk, bike or roll.

Carpool: Kite provides a carpool subsidy and preferred parking for regular carpoolers.

Employees automatically qualify for the guaranteed ride home program when enrolled in a green commuter program.

A flexible benefits program has recently been deployed at Gilead, Kite's parent company, which would allow employees to work from home. The program is based on the feasibility of work conducted off-site and can be used with the manager's approval.

Kite also has an internal flexible work policy ("G.Flex"), which allows for 3 days of working remotely, depending on job requirements. The flex-time schedule is part of G.Flex, which enables non-shift employees to have latitude to start and stop their work day to accommodate public transit schedules, ride share arrangements, or off-peak hour commuting. <https://www.kitepharma.com/careers/culture-and-benefits>; <https://www.gilead.com/careers/compensation-benefits-and-wellbeing>

Green Vehicles: Designate preferred parking spaces for Green Vehicles

EVs: Maintain 18 Electric Vehicle Charging Stations (no expense to employee).

Transportation Goals:

- *Improve average vehicle ridership and EV-use by 20% by 2025*
- *Measured using an annual survey of each site*

Water



Water Conservation

An independent ASHRAE Level 3 energy and water audit was performed in July 2022 by eeCO2. The resulting report has provided a roadmap for the Kite Frederick site to progress towards Carbon NetZero operations.

The site is currently commissioning a water reclamation project that will take condensate from the site air handling units and reuse it as cooling tower makeup water. This effort is expected to be in operation in the summer of 2023 and reduce municipal water use by approximately 1million gallons/year. In addition, prior mentioned HVAC controls optimizations reduce HVAC cooling demand. This in turn reduces demand on the cooling towers and associated evaporation.

Water Goal:

- *Reduce Water Intensity by 30% by 2030 (From 2019 Baseline)*



Stormwater Management

Maintains a 'No Exposure Certification' for Exclusion from NPDES Stormwater Permitting. Stormwater flows to dry drainage pond to prevent litter, soil or roadway pollutants from entering local waterways and slows stormwater flows into local waterways.

Green Building



LEED/Green Globes/Living Building Challenge/International Green Construction Code

The Kite Frederick facility is an owned facility that achieved [LEED BD+C: New Construction Silver](#) in 2022.

Environmental Certification Programs, Awards, and Other Activities



In addition to LEED Silver, our site has been involved with the following noteworthy awards/activities:

- *Recognized as leading the charge in Sustainability by BioBuzz: <https://biobuzz.io/kite-pharma-is-leading-the-charge-in-sustainability/>*
- *Awarded by Potomac Edison with Incentive Payment for our Sustainability efforts: <https://energysavemd-bizsolutions.com/news/PE-Kite.php>*
- *Committed to Community Outreach Programs including annual park and road clean-ups, Kite “Adopt a Road” Signs are found nearby our site.*
- *Kite is proud to be part of Gilead, a globally recognized leader in diversity and inclusion and the recipient of a perfect “100” score on the Human Rights Campaign’s Corporate Equality Index for three years in a row. In addition, Gilead is listed on the Dow Jones Sustainability World Index for two years in a row.*



Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.

Learn more at green.maryland.gov

