

Sustainability at Vornado Realty Trust

At Vornado, we believe that sustainability is based on the synergy of the built environment and the community. Using this approach, we work to improve efficiency and implement environmentally aware best practices at each property, maximizing the positive impact on our occupants, our community, and our business.

PENN 2 — BUILDING HIGHLIGHTS

100%

RENEWABLE ENERGY
CERTIFICATES FOR
BUILDING
ELECTRICITY*

51%

WASTE DIVERSION RATE

100%

CARBON NEUTRAL

100

WALK SCORE

100

TRANSIT SCORE

92

BIKE SCORE



ORGANICS PROGRAM



*NYS HYDROELECTRIC RENEWABLE ENERGY CERTIFICATES



TENANT BENEFITS

Vornado is focused on tenant engagement: to support our tenants as they return to the office and to achieve their sustainability goals.

STAKEHOLDER PRIORITIES

- Stakeholder Annual Engagement through Roundtables, Building-Specific App, Events, and other programming
- LEED Credits available to Tenants
- Fitwel Credits available to Tenants
- Collaboration with tenants on the ENERGY STAR Tenant Space to track performance improvements

VORNADO PORTFOLIO PROGRAMS

Vision 2030 is Vornado's commitment to reach carbon neutrality. We are relying on both existing and future technology, as well as meaningful stakeholder collaboration with our tenants, our employees, and our communities. In 2021, we made a SBTi commitment to reduce our Scope 1 and 2 emission intensity by 64% per SF by 2030 below a 2019 base year. Our commitment is 1.5°C-aligned, the most ambitious designation offered.

ENERGY*

Vornado submeters our tenant's electricity usage. Real-time energy monitoring and invoices are made available to tenants through interactive online submeter platforms. Vornado has procured Renewable Energy Certificates (RECs) to document our commitment to renewable energy and the environment, sourced from nationwide wind projects. By purchasing 100% renewable electricity for all of our buildings, Vornado is able to further its progress towards carbon neutrality by 2030. Our tenants benefit from leasing space in buildings powered by renewable electricity since it reduces their indirect carbon emissions.

AIR & WATER

We are committed to providing clean air through a proactive indoor air quality program that tests twice a year for a range of IAQ indicators including Carbon Monoxide, Carbon Dioxide, Volatile Organic Compounds (VOCs), and Airborne particulates, in addition to temperature and relative humidity. Our building filtration media are equipped with the highest Minimum Efficiency Reporting Value (MERV) 13 or greater rating whenever possible, to reduce any particulates from supply air sources entering our buildings. We uphold our commitment to provide safe water to tenants through our proactive water safety and management program. Each building has an annual on-site audit, testing and treatment, if necessary. The Fitwel Water Quality Program standard is used as the basis for our program.

EMBODIED CARBON

Vornado has recently committed to a target to reduce embodied carbon intensity for our new development projects by 10%. We will continue to evaluate every project for additional targets and lower carbon opportunities, depending upon the project scope, project type, and construction approach.

* VORNADO PROVIDES THE FOLLOWING INFORMATION RELATING TO SECTION 44475 OF DIVISION 26, PART 10 OF THE CALIFORNIA HEALTH AND SAFETY CODE ADDED BY THE VOLUNTARY CARBON MARKET DISCLOSURES ACT (CALIFORNIA ASSEMBLY BILL (AB) 1305). THE QUANTITY OF OFFSETS PURCHASED, 6,742 EMISSION REDUCTION TONS FROM AMERICAN CARBON REGISTRY ("ACR") US-622-2020-1544-464363 TO 471104. THE PROJECT NAME IS FOAM BLOWING AGENT PROJECT 003F, LOCATED IN WINCHESTER, VIRGINIA AND IS AN INDUSTRIAL PROCESS EMISSIONS PROJECT TYPE. THE QUANTITY OF OFFSETS IS BASED UPON 29,681 MLBS OF STEAM PURCHASED BY THE PROPERTY IN 2022 MULTIPLIED BY 0.22655 MT CO2E PER MWH FOR DISTRICT STEAM IN NEW YORK CITY.

CLEANING

Our green cleaning program creates healthy workplaces using standards that combine best practices for the use of low environmental impact products with a particular focus on occupant health and indoor air quality. Vornado's subsidiary, Building Maintenance Service (BMS), cleans and maintains our buildings to LEED, WELL, and Fitwel green cleaning standards. We use products and equipment that meet recognized standards, such as Green Seal, EcoLogo, EPA's Safer Choice, Forest Stewardship Council and the Carpet and Rug Institute (CRI). In addition, BMS has prioritized the procurement and use of hydrogen-peroxide based disinfectants in accordance with Green Seal's guidance for safer cleaning and disinfecting.

WASTE MANAGEMENT

Vornado's commitment to increase responsible waste diversion through broad recycling and reuse markets is accomplished through our progressive goals and improved building waste infrastructure. Most importantly, we have been and continue to be actively engaged with our tenants on best practice strategies to reduce overall waste across many waste streams to keep material out of landfills. We employ comprehensive data collection on these efforts, including annual waste audits and organics programs that lead to targeted programs designed to effect continuous improvement toward our waste reduction goals.

FOR MORE INFORMATION: SUSTAINABILITY@VNO.COM

