FOX CHASE STATION IMPROVEMENTS
SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY

46% of all Portland cement used in the project has been replaced with slag and/or fly ash, increasing durability and saving 33 tons of raw materials, 156 MMBtu of energy, and 33 tons of greenhouse gas emissions.

High-efficiency plumbing fixtures and faucets reduce potable water use by 30% (110,000 gallons per year).

The project was designed to use 30% less energy than a comparable code compliant building.

LEED Certification
- The Fox Chase Station is pursuing a Silver Level Certification under the U.S. Green Building Council’s LEED (Leadership in Energy and Environmental Design) rating system.

Sustainable Sites
- Pedestrian paths connect to nearby public transportation and community amenities and services.
- Light-colored surfacing help reflect sunlight, keeping surfaces cool while reducing the urban heat island effect.

Water Efficiency
- High-efficiency plumbing fixtures and faucets reduce potable water use by 30% (110,000 gallons per year).
- Landscaping includes locally adapted plants that do not require an irrigation system.

Energy & Atmosphere
- The project was designed to use 30% less energy than a comparable code compliant building.
- Energy use will be measured and verified using the EPA Energy Star Portfolio Manager tool to help the building run at maximum efficiency.

Materials & Resources
- 40% of construction waste was reused or recycled.
- A recycling plan was developed, complementing SEPTA’s operational waste management strategy.

Indoor Environmental Quality
- An Indoor Air Quality Management Program was followed during construction to keep the ventilation system free from dust and odors.
- Adhesives, sealants, paints & coatings contain little or no VOCs (volatile organic compounds). VOCs have a negative impact on air quality and respiratory health.

100% of the wood used in the project was certified in accordance with the Forest Stewardship Council which promotes sustainable timber harvesting.

Multiple public transportation options including regional rail and bus stops.

46% of building products were extracted and manufactured within 500 miles of the project site.

Renewable energy credits were procured to ensure that 100% of energy used at the station is replenished on the electric grid by renewable sources.

THE SHEWARD PARTNERSHIP, LLC
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