

Arlington Mill Community Center

GREEN BUILDING TOUR



LEED GOLD CERTIFIED

THE ARLINGTON MILL COMMUNITY CENTER was designed to earn LEED (Leadership in Energy and Environmental Design) Gold certification from the US Green Building Council for the achievements in environmental design and construction of the building. Building designers use the LEED rating system as a guide to build high performance buildings, evaluating energy and water efficiency, site development, indoor air quality, and building materials for high environmental performance. Arlington is committed to building facilities that reduce costs through energy and water efficiency, provide healthy environments for the community, and reduce our impact on the environment.

Learn more about Arlington's Green Building Program at freshaireva.us/green-building.



Arlington Mill Community Center
909 South Dinwiddie Street, Arlington, VA 22204
703-228-7790

Printed on at least 30% recycled paper. 10/13

Welcome to the Arlington Mill Community Center!

Arlington Mill has been designed to earn the prestigious LEED Gold certification from the US Green Building Council. Green buildings are better buildings. Abundant daylight, open space, and a diversity of indoor and outdoor spaces make Arlington Mill a great place to support Arlington's active community. This brochure will guide you through an interactive building tour where you will find information about the building's innovative green design and construction. Tour stops are shown on the enclosed map, and signs in the building point out specific green building features. To arrange a guided tour please call 703-228-7790.



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1 ALTERNATIVE TRANSPORTATION Arlington Mill is located near several bus lines, Capital Bikeshare, and offers bike racks and shower facilities to promote a variety of transportation options. Arlington County Government offers a financial incentive to community center employees who use Metro, walk, or bike to work. Alternative transportation reduces pollution caused by single occupant vehicles and promotes a healthy lifestyle.



Bicycle racks

2 ENERGY EFFICIENCY Burning fossil fuels like coal for electricity generation causes air and water pollution and habitat destruction. To save energy, the building's lighting design uses a combination of efficient LED lights, light colored paint to reflect and spread light, and occupancy sensors to turn off lights in empty rooms. This thoughtful lighting design is 50% more efficient than standard lighting.



Occupancy sensor



LED light fixture

3 CERTIFIED WOOD Seventy-five percent (75%) of the wood used in building, including the bleachers and gym floor, was certified by the Forest Stewardship Council (FSC). Sustainable forestry practices include maintaining soil and water quality, minimizing the use of harmful chemicals, and conservation of old growth and endangered forests.



FSC certified wood

Forest managers follow a harvest schedule so that the forest does not erode over time, and are careful to allow the same amount of wood that was removed to grow back.



4 STORMWATER MANAGEMENT Rain washes pesticides, oil from roads and parking lots, and other pollution into local streams like Four Mile Run and eventually into the Chesapeake Bay. To protect our local waterways, rain is captured and used for cooling in the building's air conditioning system. The green roof, pervious paving in the plaza, and an engineered filtering system slow down, cool, and clean stormwater before it enters Four Mile Run.



Top: Pervious paving reduces stormwater runoff.
Bottom: Captured rain is used in the air conditioning system for cooling.

5 LOW-EMITTING MATERIALS Inhaling chemicals called Volatile Organic Compounds (VOCs) can cause health problems ranging from headaches to liver damage and other serious health problems. Low-VOC paints, sealants, adhesives, and carpet help keep the air in this building healthy.



Low-VOC carpet

6 WATER EFFICIENCY Waterless urinals, low flow toilets, high efficiency showerheads, and faucet aerators in the restrooms use 43% less water than standard fixtures and save nearly 230,000 gallons of water each year.

7 VIEWS Providing views to the outdoors creates a healthier and more pleasant indoor environment for occupants. Maximizing daylight in the building

saves energy by reducing the need for electric lights. Ninety percent (90%) of regularly occupied spaces like the gym, meeting rooms, and offices at Arlington Mill have direct views to the outdoors.



8 REGIONAL MATERIALS Using building materials manufactured close to the construction site reduces pollution caused by transporting these items over long distances. Thirty-five percent (35%) of the materials in the building come from within 500 miles of the Arlington. Examples include bathroom partitions from Erie, PA, drywall from Charlotte, NC, and cast stone walls from Manassas, VA.

9 RECYCLED CONTENT Using construction materials that contain recycled content keeps useful materials out of the landfill and preserves our natural resources.

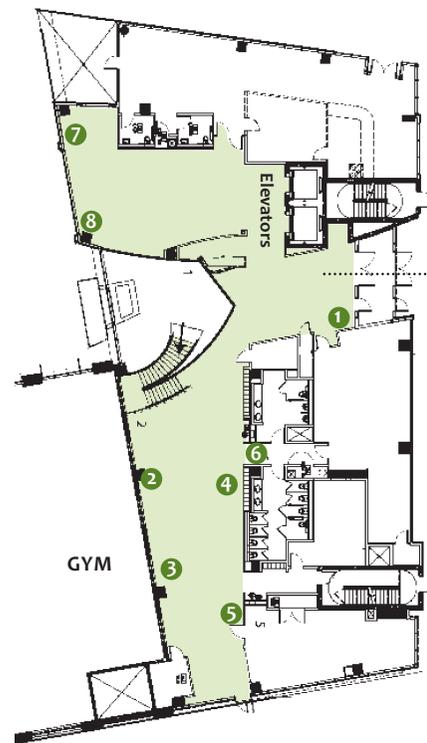


Marmoleum walls and floor are 100% natural, made of linseed oil and recycled wood.

Thirty-three percent (33%) of the building materials at Arlington Mill are made from recycled content. The steel, marmoleum walls, and rubber playground flooring are in large part made from recycled materials. Take a closer look at the front desk to see that it includes recycled metal shavings.

10 HEAT ISLAND REDUCTION The Urban Heat Island Effect occurs when parking lots, roads, building roofs and other dark surfaces absorb heat during the day. Higher temperatures increase the need for air conditioning, resulting in more air pollution. Hotter days can also cause health problems such as asthma attacks. Arlington Mill's green roof has a cooling effect, reducing the heat island impacts on the community.

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SECOND FLOOR (START)

FIFTH FLOOR (FINISH)

