

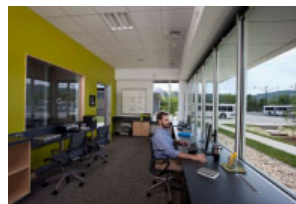


Charlottesville Area Transit Operations Center

USGBC LEED NC- GOLD

Opened for operation
June 1, 2010

- Developed on 6 acres of land
- Over 27,000 SF of interior SF in four buildings
Administration, Bus Fleet Maintenance, Wash, and Fuel
- CAT provides more than 2 million passenger trips per year on 36 transit buses



Green Building Features



SITE

- Innovative stormwater management system
 - 180,000 gallon underground storage for infiltration and treatment
 - several bio-filters and bio-retention areas
 - 48,000 gallon underground cistern collects harvested rainwater from roofs and re-uses water to wash busses and more
- Use of water efficient landscaping: native & adaptive plants requiring no irrigation
- Buildings orientation and shading designed to take advantage of solar and prevailing wind conditions
- Pavement was reduced where practical and light colored concrete was used to reduce heat island effect
- Outdoor lighting was designed and installed to limit light pollution
- Geothermal well system: 2 wells @ 1,000' depth

BUILDING

- White roofing was installed to reduce heat gain in the facilities and immediate site
- Waterless urinals, and low-flow toilets and fixtures save 17,500 gal (annually)
- 93% of all construction material diverted from landfill
- Materials selected with recycled content including structural steel with a 97% post-consumer recycled content
- 91% of wood products were certified by the Forest Stewardship Council
- Low VOC-emitting materials used in the construction materials, finishes, and furnishing
- Wall insulation used 100% recycled content (shredded remnants of discard blue jeans)
- High efficiency light fixtures feature occupancy/vacancy sensors, timed shut-off, and auto-dimming when sufficient daylight harvesting allows
- 99% of regularly occupied space access to natural light

Owner- City of Charlottesville ♦ Architect - VMDO ♦ General Contractor - W.M. Jordan Co., Inc.