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# New Columbia's

## Main Street on Trenton

Green Building Features - LEED certified

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Goals for long-term sustainability have been incorporated into the two mixed-use buildings on New Columbia's main street. Construction has been designed to attain Leadership in Energy and Environmental Design (LEED) certification from the U.S. Green Building Council.

### Site and Water

**Landscaping:** Drought-tolerant plants.

### Energy and Atmosphere

**Energy:** Energy performance designed to out-perform code by 30 percent.

**Lighting:** Reduced electricity load and reduced night light pollution through compact fluorescent lighting, occupancy and daylight sensors.

**HVAC:** Air conditioning used in classrooms and retail spaces use non-ozone depleting refrigerants.

**Solar:** Solar heated hot water provides 50 percent of annual domestic hot water needs.

**Vehicles:** Alternative fuel stations provide solar-generated power for transportation carts.

**Water Efficiency:** Water efficiency expected to outperform code by over 30 percent through resource efficient faucets and showerheads. Irrigation consumption is reduced by 50 percent through use of native plants and moisture sensors.

### Materials and Resources

**Materials:** Many of the construction materials used were made of recycled or regionally available products.

**Wood:** Over 50 percent of the framing lumber used in Trenton North was Forest Stewardship Council-certified.

**Recycling:** During construction, 75 percent of the construction waste was diverted from the landfill through recycling.

### Indoor Environmental Quality

**Air Quality:** Living units are sealed to eliminate the environmental movement of tobacco smoke. All volatile organic compounds (VOCs) were flushed from the buildings with 100 percent fresh air prior to occupancy. Low-VOC materials such as paints and Green Seal-certified carpets were selected for interior spaces.

**Lighting:** Interior layouts arranged to enhance natural daylighting through extensive use of windows.

**Ventilation:** Natural ventilation encouraged in retail and office spaces with operable windows.

### Special Features

**Transportation:** Easy alternatives to use of single occupancy vehicles for transportation. Both buildings feature changing rooms and showers for bikers, walkers and runners. New Columbia's master plan designated Trenton as a bus route and Tri-Met is continuing 15-minute frequent service for the #4 Fessenden route through the site with convenient stops adjacent to the Trenton buildings.

**Cleaning Materials:** Use of Green Seal or low-impact cleaning agents and practices.

