



## Beachwood Municipal Complex

25325 Fairmount Blvd. • Beachwood, Ohio

Construction Type: renovation/expansion

Building Size: 37,400 ft<sup>2</sup> Completion Date: Spring 2005

### Major Funding Sources

Funds were set aside in the city budget for the construction of the new complex.

### Sustainable Sites

The Municipal Complex is located within close proximity to mass transit. To further encourage transportation alternatives, a van/car pool program is in place. The complex's light reflecting roof helps to decrease the heat island effect, which is prevalent in densely populated areas.

### Water Efficiency

Restrooms are equipped with low flow fixtures as well as motion sensitive faucets to reduce water consumption.

### Energy & Atmosphere

A geothermal heating and cooling system reduces the building's energy demands. Additionally, passive solar heating is employed throughout the building through the inclusion of many large windows. These windows also reduce the need for artificial lighting.

### Materials & Resources

During the renovation and expansion, 75 percent of the existing building shell was preserved. This preservation reduced the need for new building materials. More than 50 percent of the construction waste generated by the project was diverted from landfills. Recycled and local materials and FSC (Forest Stewardship Council)-certified wood can be found throughout the complex.

### Indoor Environmental Quality

The large and abundant windows allow daylight and views of the outdoors to enter much of the building. Use of low-emitting materials and a CO<sub>2</sub> monitoring system ensure high indoor air quality.