

# 22<sup>ND</sup> POLICE DISTRICT STATION

## ENVIRONMENTALLY FRIENDLY OR “GREEN” ELEMENTS

The 22nd District Police Station is expected to be the first certified “green” police station in Chicago by the U.S. Green Building Council.

Green buildings incorporate several environmentally friendly focus areas in their design. Listed below are some of the green elements that are a part of the new police station.

### Sustainable Sites

This takes into account the location and placement of the building and the impact it has on the environment around it.

- Built police station on a previously developed site.
- Located within 1/4 mile of bus and train transportation.
- Added bike racks and electric car recharging area in parking lot.
- Installed reflective surfaces on roof and one parking lot to cool building and save energy costs.

### Water Efficiency

Efforts have been made to conserve water in and around the building.

- Planted drought resistant landscaping that requires less water.
- Installed low-flow and sensed toilets, sinks and showers that use less water.
- Reduced amount of water used for landscaping.

### Energy & Atmosphere

Green buildings reduce the amount of energy used by the building and incorporate renewable energy, such as solar power from the sun or wind energy.

- Designed to use 20 percent less energy.
- It is anticipated that solar thermal panels will be installed that use the sun’s energy to heat water in the building.
- Used non–ozone depleting mechanical equipment to protect atmosphere.
- Purchased renewable energy or “green power” to reduce reliance on fossil fuels such as gas.

### Materials & Resources

An emphasis is placed on using recycled materials, materials that are made and manufactured locally, and recycling construction waste.

- Diverted more than 90 percent of construction waste from landfills by recycling.
- Used recycled content in more than 50 percent of materials installed.
- More than 50 percent of material for the building is manufactured locally.
- Of the materials manufactured locally, more than 40 percent of raw materials are harvested locally.
- Fifty percent of all wood used on project came from forests certified by the Forest Stewardship Council.

### Indoor Environmental Quality

Green buildings are designed to improve indoor air quality for workers during construction, occupants and visitors to the building.

- Instituted an air quality plan to ensure clean air for workers during construction.
- Used materials in construction that emit less fumes.
- Built exhaust systems for areas where chemicals are stored.
- Installed temperature control systems and increased amount of natural light in building to boost worker productivity and improve quality of life.
- Utilized healthy cleaning and pest control products and strategies.

