

The **GREENEST** bathroom on the block



This bathroom project includes the following Green features that were incorporated during the design and construction of the project:

- Materials and products used were manufactured locally, which minimizes the distance that they had to be transported.
- Materials and products either come from renewable sources or have various levels of recycling material content.
- The light fixtures use energy efficient light bulbs, minimizing the usage of the electricity.
- The plumbing fixtures are the most efficient fixtures available on the market. The shower head uses less water than some of the faucets available on the market. The toilet has an adjustable flushing system so you can choose how much water you want to use.
- The radiant floor heating system is the most efficient system available on the market, and it is controlled by an energy star rated thermostat. It can be connected to a solar panel or in the future just utilize the renewable energy provided by your energy supplier.





- Most of the existing items removed from the space were either saved and reused, donated or recycled.

In addition to the items listed above, this project has several features that are considered good practices. They include: insulation to dampen the noise; using a vent that is directly connected to the outside; using water resistant, mold and mildew resistant materials; providing a vapor barrier, to prevent any condensation from occurring inside the structure and leading to mold and mildew problems. During the process of the project the insulation in the attic was increased to R-70 which meets and exceeds the recommendations of the newest energy code. After a few months Nicor reports showed natural gas usage decreased by 40% on average.