



Station Place Tower: A First for Rainwater Harvesting



Rooftop drains into tank



Mike O'Brien inside tank



Outflow valves for tank

With the help of the \$70,000 grant from the City of Portland's Office of Sustainable Development, REACH built Portland's first large-scale commercial housing that harvests and reuses rainwater. Below the floor is a 17,000 gallon concrete tank that stores the rainwater collected continuously from the roof. The rainwater is used for flushing 80 toilets and for emergency fire water.

Usable water for flushing toilets: 9,500 gallons
Fire control water: 7,500 gallons
Anticipated storage to flush toilets: 9 months of water year

The tank is monitored to track its use of water. An overflow system drains excess water into the storm sewer.

Rainwater harvesting helps with the affordability of Station Place Tower. Additional savings are from the 'Caroma' brand toilets which allow the user to choose a .8 half flush or a full 1.6 gallon flush.



Caroma Toilet with "Do Not Drink" sign