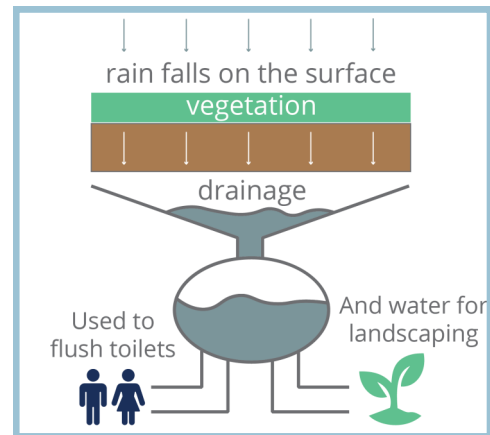


# UP ON THE GREEN ROOF!



## RAINWATER COLLECTION

Rain water filters through our plants and along the waterproofing membrane on the roof atop the Exhibit Halls. The water then drains into our 360,000 gallon underground cistern to be pumped throughout the building and our landscape irrigation. Since opening, we have used **16,464,192 gallons** of rain water, accounting for about **48%** of our total water usage!



## SOLAR POWER

The Music City Center's array of 845 solar panels helps reduce energy costs. It is located on the roof above the Grand Ballroom. Since installation, it has produced **1,466,782 kWh**, which translates to an average monthly cost savings of about **\$2,025**. This most recent fiscal year it produced **266,969 kWh** for a cost savings of **\$25,066!**

## HONEY BEES

The Green Roof is also home to our 4 bee hives! We work with volunteers from the Nashville Area Beekeepers Association along with our in-house Bee Team to manage the hives. In 2018, we harvested **89 pounds** of honey!



## GREEN ROOF LAYERS

The Green Roof is made up of 14 kinds of sedum that are drought and heat tolerant and cover the roof all year long.

There are 5 layers of the green roof:

- Grounding screens - protects against leaks
- Capillary Fabric - stabilizes plants and distributes water
- Drainage Layer, Pavers, & Membrane - low-flow drip irrigation system and overhead irrigation
- Growing medium - made up of clay, soil, and compost
- Vegetation - sedum varieties