

# City of Chesterfield



## GREEN INITIATIVES

*What we do to encourage a clean, sustainable community!*

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Chesterfield cares about the environment, and understands that all aspects of a community - infrastructure, public improvements, developments, and park facilities - are interrelated. Here are just a few of the things we do to create a sustainable environment where the needs of today are met without compromising the ability for future generations to meet the needs of tomorrow.



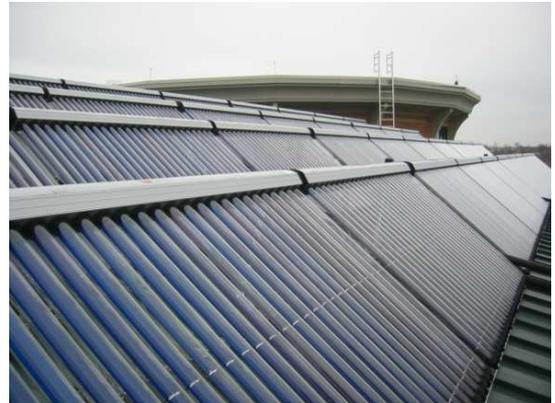
**[Chesterfield.mo.us](http://Chesterfield.mo.us)**

### **Energy Management System (EMS)**

City facilities are run by a pre-programmed EMS, which maximizes efficiency by carefully operating the heating, cooling, lighting, and fresh air circulation systems.

### **Solar**

Solar thermal arrays were added to Chesterfield City Hall. These solar arrays provide an energy source that heats water used in our heating and cooling system as well as our potable water. Using the energy provided by the solar thermal arrays reduces our use of natural gas fired boilers.



### **Rechargeable Equipment**

All of the battery-operated equipment used by Facilities Maintenance staff has rechargeable batteries.

### **Eco-Friendly Products**

Over 90% of the cleaning products used by the City are non-toxic, biodegradable, and from renewable sources.



### **Lighting**

City Hall uses only high efficiency lighting, and policies are in place to ensure unused interior lights are turned off every night. These measures reduce energy consumption and utility costs.

### **Water**

City Hall operates with low-flow flush valves and equipment, and high efficiency hot water boilers, minimizing water usage, energy consumption, and reducing utility costs.

### **Green Roof**

The new Chesterfield amphitheater's concession and restroom area features a green roof – a roof partially covered in vegetation. Heat tolerant plants in shallow trays are placed side by side on the roof, reducing stormwater runoff and heat gain, and extending the life of the roof by reducing impacts and exposure.



### Citizens Committee for the Environment

A group of dedicated volunteers has been working for over 20 years to assist the City with environmental initiatives, hosting annual Arbor Day, Earth Day and Recycling Day events.



### Recycling

The City of Chesterfield's curbside recycling program successfully diverts over 50% of recyclable waste products from landfills to recycling.

### Monthly Electronics Recycling Collection

Every month Chesterfield holds an electronics recycling collection event, where you can drop off your old electronics equipment.

### Public Recycling

The city has numerous recycling bins located at all public parks and facilities.

### Tree Preservation

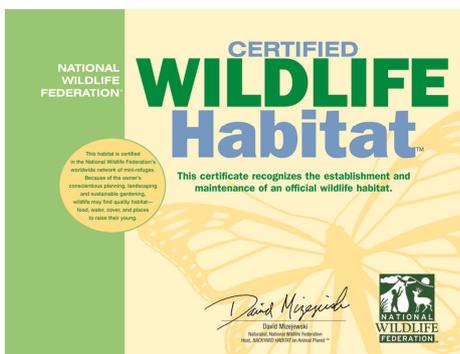
Chesterfield has long had regulations for the installation and preservation of trees. The City continues to review and revise these regulations to ensure desired results are achieved.

### Comprehensive Plan

Chesterfield's Comprehensive Plan promotes numerous aspects of sustainability including congestion reduction, waste reduction and increased recycling, multi-modal transportation options, stormwater management, open space preservation and creation, and much more!

### Stellar Green Youth Team

The Stellar Green Youth Team award honors Chesterfield youth who have increased environmental sustainability through conservation efforts in our community. The award encourages youth to take practical action to bring about positive environmental change. Currently over 50 area youth have received this award.



### Certified Community Wildlife Habitat

In 2005, Chesterfield became the 9<sup>th</sup> certified Community Wildlife Habitat Community in the nation. Chesterfield provides habitat for wildlife throughout the community – in areas like parks, school grounds, businesses, and individual backyards – by focusing on the four basic needs of all wildlife: food, water, cover, and places to raise young. Visit the city's website to learn how to get your own home or business certified.

### Environmentally-Friendly Zoning Codes

Chesterfield zoning districts encourage the inclusion of Leadership for Energy and Environmental Design (LEED) practices as a desirable site design feature. Other zoning districts are designed to avoid the development of environmentally sensitive areas while maintaining developer's desires.