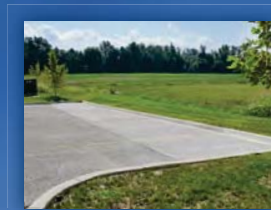


# Green Infrastructure: Incentives and Savings

*for Commercial, Industrial and Institutional  
Property Owners*



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### **Why is MSD offering a green incentive program?**

As a part of the Clean Water Act, MSD has been mandated by the U.S. Environmental Protection Agency to reduce sewer overflows, which impair our water quality. By keeping stormwater (rainwater) from entering the sewer system, pipes are less full and less likely to overflow sewage. Green infrastructure techniques help to capture stormwater and keep it from overwhelming Louisville's already aging sewer system.

### **What is green infrastructure?**

Green infrastructure utilizes engineered systems that are created to mimic natural landscapes to capture, cleanse and ultimately reduce the amount of stormwater entering sewers, creeks and waterways. As a commercial, industrial or institutional property owner in Louisville Metro, you can help improve water quality and create a more environmentally friendly way of life while saving money.

### **What about residential properties?**

This incentive program focuses on commercial, industrial and institutional properties. There are other opportunities to use green infrastructure for residential properties, including the sump pump and downspout disconnection incentive program. Contact **MSD Customer Relations** at **502-587-0603** for additional details.

## **Examples of green infrastructure:**



### **Rain Gardens and Bio-swales**

Rain gardens and bio-swales are shallow areas with amended soil that absorb stormwater runoff into the ground.



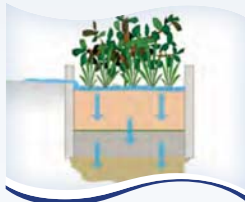
### **Pervious Pavement**

Even small areas of porous pavement can make a big difference by allowing stormwater to soak through the pavement and into the soil.



### **Green/Blue Roofs**

Roofs that capture stormwater with vegetation or other devices before it drains into sewers and waterways.



### **Infiltration Drains**

Infiltration devices drain water directly into the ground. They work by enhancing the natural capacity of the ground to store and drain water.



### **Water Harvesting and Cisterns**

Water harvesting is the collection of stormwater for use during dry periods.

## **Benefits of green infrastructure:**

- Reduced costs and discounted stormwater drainage fees
- Increased land values
- Maximized developable property
- Reduced heating and cooling costs
- Reduced sewer overflows and stormwater flooding
- Improved air quality and human health
- Creation of a pleasant and attractive area for employees and clients

### **Save money now and later.**

MSD is assisting commercial, industrial and institutional property owners on a priority basis with green infrastructure incentives to reduce stormwater runoff to sewers and creeks. By reducing impervious area and infiltrating stormwater with green infrastructure practices, property owners will receive a reduction on monthly stormwater user charges.

### **How are properties chosen for participation?**

Projects are approved for funding as MSD budgets allow, and will consider the following:

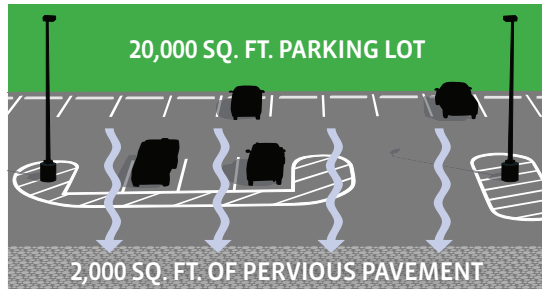
- potential for peak flow reduction (best performance)
- location in priority sewersheds/ watersheds (total runoff volume saved)
- potential property exposure to the public (outreach benefit)
- constructability
- potential for sustainability

### Short-Term Green Infrastructure Construction Cost Recovery Stipend:

BMP Type	Drainage Impervious Surface Area (sq.ft.)
Rain Garden	\$1.50*
Pervious Pavement	\$1.50*
Vegetative Roof	\$2.25-\$3.75
Infiltration Drain	\$1.50*
Water Harvesting	\$1.50**

\* Compensation is provided for the controlled area up to 10 times the typical BMP area.

\*\* Analysis, flow monitoring must be confirmed to demonstrate effectiveness.



In this example, paving a small portion of your parking lot with pervious pavement earns a stipend of \$30,000.

### Long-Term Stormwater Drainage Credits:

#### Monthly stormwater drainage credits are calculated based on the following:

Peak Flow Rate	15%
Total Runoff	15%
Water Quality	15%
Outreach	5%
Total Maximum Credit	50%

(A maximum credit of 25% is available if you also accept a Green Stipend.)



### How long do the stormwater drainage credits last?

Agreements for monthly stormwater drainage credits are for ten years and may be renewed. Renewal applications must be received at least one year in advance of the agreement expiration.

### What is the application process for stormwater drainage credits?

To apply for the stipend or monthly stormwater drainage credit, applicants must contact the MSD plan review department. Application costs must provide a construction plan noting BMP locations, drainage areas and details. In addition, an operation, maintenance and annual inspections plan must meet the MSD Design Manual.

### What type of construction plans are required?

Applications for the capital cost recovery stipend and credit program must be prepared by qualified professionals, include operation and maintenance plans, and designs must be prepared in accordance with the MSD Design Manual.

### How do I get reimbursed?

Payments are issued after milestone inspections by MSD at the completion of projects. Payment at interim milestone inspections are available for larger projects.

### How can I get started?

Interested property owners can contact **MSD Customer Relations** at **502-587-0603** for more information. Appointments for property assessments will be made for properties able to provide basic information regarding their site and type of needs being explored.



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