



Louisville & Jefferson County  
Metropolitan Sewer District

**SCHEDULE OF  
RATES, RENTALS & CHARGES  
EFFECTIVE: AUGUST 1, 2018**

**1.0 WASTEWATER SERVICE CHARGES**

The Wastewater Service Charge is a fixed service charge based on the size of the water meter and applies to all wastewater service charge billings. The Wastewater Service Charge shall be calculated using the table below and may be prorated based on the number of actual days in a billing cycle.

**1.1 Commercial/Industrial Charges:**

<u>Meter Size</u> Inches	<u>Monthly</u> <u>Billing</u> \$/Bill	<u>Daily</u> <u>Proration</u> \$/Bill	<u>Bi-Monthly</u> <u>Billing</u> \$/Bill	<u>Daily</u> <u>Proration</u> \$/Bill
5/8 or 3/4	24.18	0.79496	31.50	0.51781
1	42.16	1.38608	63.26	1.03989
1-1/2	63.26	2.07978	105.24	1.72997
2	81.22	2.67025	144.33	2.37255
3	171.79	5.64789	321.76	5.28921
4	270.69	8.89940	520.23	8.55173
6	520.14	17.10049	1022.24	16.80395
8	781.76	25.70170	1533.41	25.20674
10	1022.24	33.60789	2014.53	33.11556
12	1484.14	48.79364	2968.27	48.79348
16	1798.97	59.14422	3597.85	59.14274

**1.2 Residential Charges:**

<u>Meter Size</u> Inches	<u>Monthly</u> <u>Billing</u> \$/Bill	<u>Bi-Monthly</u> <u>Billing</u> \$/Bill	<u>Daily</u> <u>Proration</u> \$/Bill
5/8 or 3/4	15.75	31.50	0.51781
1	31.63	63.26	1.03989
1-1/2	52.62	105.24	1.72997
2	72.17	144.33	2.37271
3	160.88	321.76	5.28921
4	260.12	520.23	8.55189
6	511.12	1022.24	16.80395
8	766.70	1533.41	25.20674
10	1007.27	2014.53	33.11556
12	1484.14	2968.27	48.79348
16	1798.92	3597.85	59.14274

### **1.3 Meter Read Charge:**

An additional charge of **\$105.15** shall be applied for each reading of each meter owned by a customer for the purpose of determining billable consumption. Examples of these meters are effluent flow meters, addition and subtraction meters.

## **2.0 WASTEWATER VOLUME CHARGES**

The Wastewater Volume Charge is based on either water used as measured by a Louisville Water Company (LWC) meter(s) or wastewater discharged to the public sewer that is directly measured by either a private effluent flow meter(s) or calculated using a combination of addition meters (LWC meters/effluent flow meters) and subtraction meters that have been certified by the MSD Finance Division for billing purposes. Wastewater Volume Charges may be modified from time to time by contractual agreement with individual customers. Wastewater Volume Charges are calculated based on the following rates:

### **2.1 Regular Volume Rate**

The Regular Volume Rate shall be applicable to all water used and not meeting the requirements of Optional Volume Rate as described in Section 2.2 below. The Residential Regular Volume Rate is calculated to provide a year-long 15% discount for lawn watering and other uses of water which does not enter the public sewer. In addition, the Regular Volume Rate is calculated to provide automatic year round volume rate discounts of 10% for Commercial and Institutional customers and 5% for Industrial customers.

**Residential - \$4.30 per 1,000 gallons of volume billed**  
**Commercial - \$4.97 per 1,000 gallons of volume billed**  
**Industrial - \$5.17 per 1,000 gallons of volume billed**

Commercial, Institutional and Industrial facilities on the Regular Volume Rate that are subject to a Quality Charge Rate shall pay Excess Quality Charges as described in Section 3.1 below.

### **2.2 Optional (Clean) Volume Rate**

The Optional Volume Rate shall be available to customers whose average water use or wastewater discharged to the public sewer during any consecutive twelve-month period exceeds 1,000,000 gallons per month. Commercial, Institutional and Industrial customers on the Optional Volume Rate that are subject to a Quality Charge Rate shall pay Total Quality Charges as described in Section 3.2 below.

**\$2.95 per 1,000 gallons of volume billed**

### **2.3 Sewer Only Volume Rate**

The Sewer Only Volume Rate shall be applicable to wastewater discharged to the public sewer that is directly measured by either a private effluent flow meter(s) or calculated using a combination of addition meters (LWC meters/effluent flow meters) and subtraction meters. All effluent flow meters, addition and subtraction meters shall be inspected and certified by the MSD Finance Division prior to being used for billing purposes.

**Residential - \$4.96 regular rate**  
**Commercial - \$5.56 regular rate or \$3.15 optional rate/1,000 gallons**  
**Industrial - \$5.60 regular rate or \$3.15 optional rate/1,000 gallons**

#### **2.4 EPA Consent Decree Surcharge**

The EPA Consent Decree Surcharge shall be applicable to the following billings:

**Residential - \$12.87 per month or \$25.74 bi-monthly**  
**Condominium complexes without water meters for each condominium - greater of \$12.87 per month or \$2.15 per thousand gallons of water billed**  
**Commercial Regular Volume Rate - greater of \$12.87 per month or \$1.54 per thousand gallons of water billed**  
**Commercial Sewer Only Volume Rate - greater of \$12.87 per month or \$1.71 per thousand gallons of wastewater discharged**  
**Industrial Regular Volume Rate - greater of \$12.87 per month or \$1.60 per thousand gallons of water billed**  
**Industrial Sewer Only Volume Rate - greater of \$12.87 per month or \$1.71 per thousand gallons of wastewater discharged**  
**Optional (clean) Volume Rate - greater of \$12.87 per month or \$.92 per thousand gallons of water billed**  
**Optional (sewer only) Volume Rate - greater of \$12.87 per month or \$.98 per thousand gallons of wastewater discharged**

### **3.0 WATER QUALITY CHARGES**

Commercial, Institutional and Industrial customers that discharge wastewater to the public sewer characterized by excess strength of Biochemical Oxygen Demand (BOD) and/or Total Suspended Solids (TSS) shall be assessed a Quality Charge Rate established by MSD.

Any Commercial, Institutional or Industrial customer who is deemed eligible to be placed on a Quality Charge Rate by MSD shall have their wastewater tested for the purpose of accessing a quality charge billing rate in addition to the volume rate applied.

MSD shall at all times have access to the premises of a customer for the purpose of determining an appropriate Quality Charge Rate. Quality Charge Rates shall be based on sampling and analyses conducted by MSD personnel using MSD protocols and methods, unless otherwise approved by the MSD Board.

MSD shall set the frequency and duration for Quality Charge Rate sampling events. MSD will take business cycle fluctuations that may affect loadings into consideration when determining sampling frequency and duration.

MSD may establish standard BOD and TSS loadings for a specific customer class which shall be used to assess applicable Quality Charge Rates.

MSD may use other methods such as contractual agreements to determine a Quality Charge Rate for individual customers for which standard sampling and analyses do not represent the actual BOD and/or TSS concentrations being discharged to the public sewer.



### **3.1. Excess Quality Charges**

Excess Quality Charges shall apply to Commercial, Institutional and Industrial customers paying the Regular Volume Rate as follows:

BOD Concentration: **\$0.004101** per mg/liter in excess of 250 mg/liter billed per 1,000 gallons of water recorded by a LWC meter OR wastewater discharged to the public sewer as directly measured by an effluent flow meter; and/or

TSS Concentration: **\$0.00168931** per mg/liter in excess of 270 mg/liter billed per 1,000 gallons of water recorded by a LWC meter OR wastewater discharged to the public sewer as directly measured by an effluent flow meter.

### **3.2. Total Quality Charges**

**3.21** Total Quality Charges shall apply to Commercial, Institutional and Industrial customers paying the Optional Volume Rate as follows:

**3.2.2** BOD Concentration: **\$0.004101** per mg/liter billed per 1,000 gallons of water recorded by a LWC meter OR wastewater discharged to the public sewer as directly measured by an effluent flow meter; and/or

**3.2.3** TSS Concentration: **\$0.00168931** per mg/liter billed per 1,000 gallons of water recorded by a LWC meter OR wastewater discharged to the public sewer as directly measured by an effluent flow meter.

## **4.0 FLAT RATE CHARGE FOR RESIDENTIAL CUSTOMER**

The following flat rate wastewater service charges shall be applicable to any single-family residential customer without a metered public water service:

**\$41.65 monthly plus \$12.87 EPA Consent Decree Surcharge**

**-OR-**

**\$83.29 bi-monthly plus \$25.74 EPA Consent Decree Surcharge**

## **5.0 PENALTY AND UNSUAL INCIDENT CHARGES**

### **5.1 Delinquent Bill Penalties**

Whenever any sewer rates, rentals, or charges for services remains unpaid for a period of thirty days (30) days after the same becomes due and payable, the property, the owner thereof, and the user of the service shall be deemed delinquent until such time as all service rates, rentals and charges are fully paid and shall be subject to cut off of sewer connection and service, and the discontinuation of water service.

A **Delinquent Bill Penalty** shall be added to all wastewater service bills not paid by their due dates in accordance with the penalty policy in use by MSD's billing and collection agent, the Louisville Water Company, or as otherwise determined by MSD.

Pursuant to KRS 76.090, it is unlawful for any delinquent to use water from any public water service or system and discharge same into an MSD sewer

**6.0 UNUSUAL INCIDENT CHARGE**

Any business, firm or individual introducing into MSD's sewer system a substance detrimental to MSD's sewers, wastewater treatment facilities, pumping facilities or wastewater treatment processes, or which results in abnormal costs for MSD, shall be charged and shall pay the actual total costs incurred as determined by MSD.

**7.0 DEBT SERVICE ADJUSTMENT**

Whenever MSD's net revenues are less than 1.10 times the debt service on MSD's outstanding revenue bonds for any consecutive six-month period, by order of the Board of MSD, a schedule of wastewater service charges shall be amended in order to maintain a 1.10 debt service coverage required by MSD's 1971 Bond Authorizing Resolution which was approved by the City of Louisville Ordinance Number 86, Series 1971; provided the aggregate of such adjustments for any twelve-month period shall not generate additional revenue from wastewater service charges and drainage service charges in excess of 7%.

The term, "net revenues" is defined as gross revenue from wastewater service charges and drainage service charges less operating expenses and debt payments other than debt service payments on MSD's outstanding revenue bonds.

**8.0 CONNECTION FEES**

**8.1** A property service connection is the physical connection from MSD's public sewer to the property to be served or the easement line.

**8.2** A Connection Fee is applicable for the first and subsequent connections to property which had not been previously assessed or otherwise charged or credited for the cost of the sewer serving the property; and, under any of the following circumstances:

**8.2.1** whenever a physical connection to MSD's public sewer is required to be constructed; or,

**8.2.2** a working and usable connection is present but there exists a previous commitment or obligation to pay a connection fee to MSD on the part of the current property owner or previous property owners; or

**8.2.3** a property had been previously assessed for the cost of a sewer but not for the cost of a property service connection, or had not been otherwise charged for the cost of a property service connection.

**8.3** MSD's Connection Fee is not due for connections to MSD's sanitary sewer system under any of the following circumstances:

**8.3.1** a working and usable connection exists that serves the property that was constructed and accepted by MSD prior to August 1, 1998; or,

**8.3.2** a property is being served by an MSD assessment project and the property is being assessed; or,



- 8.3.3 a property is being served as part of a new development being constructed under the provisions of an MSD's Lateral Extension (LE) Contract and the property owner is a third party beneficiary of the LE Contract; or,
  - 8.3.4 connections to MSD's sewer system are exempted by a previously executed agreement with MSD; or,
  - 8.3.5 the Connection Fee is exempted from payment by another provision of these Rates, Rental and Charges; or
  - 8.3.6 the Connection Fee has been specifically exempted by action of the MSD Board.
- 8.4 Connection Fees are not applicable to:**
- 8.4.1 Homes built by, or on behalf of, an organization which is either exempt from Federal income tax under 26 U.S.C. & 501 (c)(3) of the Internal Revenue Code, or is a government entity; and sold to buyers who qualify according to the income guidelines established by MSD; and,
  - 8.4.2 a property for which a federal low income housing tax credit is not being taken by any entity or individual; and
  - 8.4.3 a property which has a sales price which qualifies under price guidelines established by MSD.
- 8.5 The Connection Fee shall be equal to the actual construction cost plus a \$250.00 administrative fee.**
- 8.5.1 The cost of the connection must be paid prior to the installation of the connection.
- 8.6 A special MSD connection fee is due and payable for those properties to be served in the vicinity of a MSD Assessment Project (whether connecting to an interceptor or a collector line) that will be equal to the most similar Guaranteed Maximum Assessment Project (GMA). After three years from the issuance of warrants for the assessment project, the amount paid shall be the greater of the GMA or the current applicable connection fee.**
- 8.7 Connection Fees may be paid by any method approved by MSD including the use of installment plans in accordance with the procedures and at interest rates approved by the MSD Board. However, the Connection Fees shall be assessed against the properties pursuant to the assessment method described in KRS 76.172.**
- 8.8 The construction of connections shall be by a qualified contractor subject to MSD's inspection and approval.**
- 8.9 Sewer Connection Inspection and Location Fees**
- 8.9.1 Upon written request, MSD will provide a field inspection, and/or will verify through field inspection, the approximate location and approximate depth of an existing sewer connection (tap).

- 8.9.2 The fee for a field inspection, field verified location and/or field verified depth of an existing sewer connection (tap) shall be \$250 per connection, must be paid in advance, and shall cover the cost of the inspection and/or location only.

## **9.0 CAPACITY CHARGE**

- 9.1** MSD is the designated management agency for the implementation of the Master Plan for sewerage Jefferson County, and must eventually provide capacity within the comprehensive public sewage system for all developed properties within Jefferson County. New development, even when using MSD's existing capacity, contributes to future capacity needs. Therefore, Capacity Charges shall be collected from developers of properties to help defray the future cost of providing Master Plan sewerage facilities.
- 9.2** When a developer of property wishes to provide sewer service by extension of or connection to MSD's sewer system, the developer, in addition to providing and paying for sewerage facilities necessary for the development, shall pay a Capacity Charge in advance of connection to MSD's wastewater treatment facilities. For developments served by MSD sewer extensions, the developer shall pay the applicable Capacity Charge at the time of execution of the sewer extension contract, or shall submit an irrevocable Letter of Credit from a local bank or other financial institution which guarantees MSD payment in full at MSD's request after the sewers are installed and connected to MSD's sewer system and before MSD issues its formal acceptance to the sewer extensions.
- 9.3** The Capacity Charge shall be calculated by multiplying the unit capacity charge times the gallons per day estimated to flow from a new development connecting to MSD's sewer system as determined by MSD. The unit capacity charge (value per gallon) shall be calculated by dividing MSD's Net Worth (system value) by MSD's total system-wide design capacity. For any calendar year, the unit capacity charge shall be based on MSD's net worth as reported in the Annual Audit Report for the fiscal year ended the June 30 prior to the calendar year.
- 9.4** Capacity Charges are not applicable to the following:
- 9.4.1** Existing developed properties connecting to MSD's system but previously served by another (non MSD) sewer system or on-lot wastewater disposal system.
  - 9.4.2** Properties to be served by a new wastewater treatment plant to be owned by MSD and constructed and financed jointly by agreement between MSD and one or more developers; however, the prorated shares of the developers' capital costs based on their estimated use of design capacity, shall not be less than the amounts MSD would recover by using the Capacity Charge calculations. Properties in the service area not party to the agreement will pay the Capacity Charges.
  - 9.4.3** Properties owned by Metro Government, or joint agencies of Metro Government.
  - 9.4.4** Properties which connect prior to January 1, 1993 to an MSD sewer which was installed and available in an abutting right of way or easement as of January 1, 1987, provided that the properties were annexed into MSD's wastewater service area at the written request of the owners dated and received by MSD prior to January 1,



1987, and provided the properties are being developed, or have recently been developed, at the time of connection.

- 9.4.4.1 Properties within the boundaries of the City of Louisville which, in 1946 transferred the then existing City sewerage system to MSD at no cost to MSD. Funds collected by the capacity charge shall be used to finance future sewerage expansion that will serve new development.
- 9.4.4.2 Properties located within an "Enterprise Zone" established pursuant to KRS Chapter 154 designated Louisville and Jefferson County Enterprise Zones is exempt from the Capacity Charge imposed by MSD on new property development pursuant to Metro Codified Ordinance Section 50.48(C).

## 9.5 Reservation of Capacity

A reservation of capacity charge shall be imposed on all developers and owners of properties for which capacity in MSD's wastewater treatment facility or sewer system has been reserved by direct request of the developer or owner of the properties. Reservation of capacity shall be subject to the following terms and conditions:

- 9.5.1 The reservation of capacity shall be for a specific identified property.
- 9.5.2 The reservation of capacity shall not be based on speculative needs in excess of the specific identified development.
- 9.5.3 A written reservation of capacity agreement shall be executed between MSD and a party having an interest in the property, such as an owner or option holder.
- 9.5.4 The reservation of capacity charge shall be the equivalent of the capacity charge divided by twelve (12) months and shall be paid monthly, in advance. If a monthly payment is not paid within ten (10) calendar days after the due date, MSD shall make reasonable effort to notify the developer or owner of his/her delinquent account by certified mail. If the payment remains unpaid by the due date of the next monthly payment, the reservation of capacity agreement shall terminate.
- 9.5.5 The reservation of capacity shall be in effect for a two-year period. By the end of (LE) Agreement with MSD to construct sanitary sewers to serve the entire development. If the LE Agreement has not been executed, the reservation of capacity shall no longer be available to the developer and/or owner. Serving only part of a development with an LE Agreement will not satisfy this requirement.
- 9.5.6 A developer or owner may assign, convey, or transfer reserved capacity if the property for which capacity is reserved is transferred to a new party conditioned upon prior written notice to MSD from both parties involved in the transaction.
- 9.5.7 Nothing in the reservation of capacity agreement shall prevent the developer or owner from paying the appropriate capacity charge for the development in effect at the time of payment. Such payment shall be recognized as a permanent commitment of available capacity for the development. Upon payment of the capacity charges due in full, future reservation of capacity charges shall be



cancelled and the reservation of capacity agreement shall be terminated. No refunds will be due for reservation of capacity charges previously paid.

- 9.5.8 Payment of the reservation of capacity charge shall not be considered a credit against any charges or any other rates, rentals or charges due or owed at the time wastewater service is provided by MSD.

## 9.6 Requests for Reservation of Capacity

Requests for reservation of capacity shall be submitted to MSD's Development and Stormwater Services Director subject to the following requirements and limitations:

- 9.6.1 Each request for reservation of capacity shall contain, in writing, a description of the property, a location map, projected use, such as residential or commercial, proposed density and the projected wastewater capacity being requested.
- 9.6.2 The Development and Stormwater Services Director shall verify the information and shall determine which wastewater treatment facility should serve the proposed project. MSD will permit requests to serve part of a planned development if service can be reasonably provided to the property and the developer agrees to the partial service.
- 9.6.3 MSD shall not reserve capacity in any wastewater treatment facility until both the Louisville Metro Department of Public Health and Wellness (LMPHW) and the Kentucky Natural Resources and Environmental Protection Cabinet, Department for Environmental Protection, Division of Water (DOW) agree, in writing, that the capacity is available. It shall be the responsibility of MSD to request the other regulatory agencies' approval.
- 9.6.4 If a reservation of capacity agreement is executed and MSD, LMPHW or DOW, or any other governmental entity with jurisdiction, finds that capacity is no longer available, for whatever reason, MSD shall refund all reservation of capacity payments made to MSD and any reservation of capacity agreement shall terminate. The developer and/or owner must agree in the reservation of capacity agreement that no interest or other charges are due for such refunded monies.
- 9.6.5 If all available capacity for a specific wastewater treatment facility has been reserved, MSD shall maintain a list of requests for reservation of capacity in order by the date a written request is received by MSD. When a reservation of capacity is terminated or capacity becomes available, the next developer on the waiting list (if applicable) shall be notified of the available capacity. The MSD Chief Engineer shall have the right to allow certain developments (such as fire stations, emergency rescue units, hospitals, etc.) to have immediate priority on said waiting list for capacity that becomes available in the interests of the public health, safety and general welfare.

## 10.0 DRAINAGE SERVICE CHARGES

A system and structure of drainage service charges to be applied to all developed parcels of land within the MSD drainage service area and other drainage service fees are hereby established in accordance with the following:

## 10.1 Definitions

For the purpose of this Amendment, the words or phrases below shall have the following meanings:

- 10.1.1** “MSD” shall mean the Louisville and Jefferson County Metropolitan Sewer District.
- 10.1.2** “Developed” shall mean the condition of real property altered from its natural state by the addition to or construction on such property of impervious ground cover or other man-made physical improvements such that the hydrology of the property or a portion thereof is affected.
- 10.1.3** An “Equivalent Service Unit” (ESU) is the measure of impervious ground cover for a typical single-family residential property and is used by MSD in assessing the drainage service charges for each parcel of property.
- 10.1.4** “Impervious Surface” shall mean those hard surface areas either which prevent or retard the entry of water into the soil in the manner that such water entered the soil under natural conditions pre-existent to development, or which cause water to run off the surface in greater quantities or at an increase rate of flow than that present under natural conditions pre-existent to development, including, without limitations, such surfaces as roof tops, compacted gravel, asphalt or concrete paving, driveways and parking lots, walkways, patio areas, storage areas, or other surfaces which similarly affect the natural infiltration or runoff patterns existing prior to development.
- 10.1.5** “Drainage Master Plan” shall mean the plan for managing storm drainage and surface water runoff facilities and features within MSD’s drainage service area and the drainage basins therein.
- 10.1.6** “Drainage Service Charge” means the fee levied by MSD upon all developed real property within the boundaries of MSD’s drainage service area as authorized by this amendment.
- 10.1.7** The “System” shall mean the entire system of flood protection and stormwater drainage and surface water runoff facilities owned or leased by MSD or over which MSD has right of use for the movement and control of storm drainage and surface water runoff, including both naturally occurring and man-made facilities.
- 10.1.8** “Drainage Service Area” shall mean all areas within Jefferson County not including Anchorage, Jeffersontown, St. Matthews and Shively, except as those areas or portions thereof are included in the district area by agreement with MSD. The term “district area” as used in this definition shall mean the service area of MSD as defined in KRS 76.005(3).
- 10.1.9** “Undeveloped” shall mean that condition of real property unaltered by the construction or addition to such property by man of impervious ground cover or physical man-made improvements of any kind which change the hydrology of the property from its natural state.



- 10.1.10 “Residence”** shall mean a building or structure or portion thereof, designed for and used to provide a place of abode for human beings. The term residence includes the term “residential” and “residential unit” as referring to the type of or intended use of a building or structure.
- 10.1.11 “Single-Family Residential Property or Parcel”** means any property or parcel which contains one structure with one or two residential dwelling units. Any such property or parcel containing more than one water meter, however, shall be deemed a Non-Single Family Residential Property or Parcel.
- 10.1.12 “Non-Single-Family Residential Property or Parcels”** shall mean properties or parcels which contain more than one residential structure or one residential structure with more than two residential dwelling units and institutional, commercial, or industrial properties. This definition shall include a residential property or parcel containing two or more water meters.
- 10.1.13 “Stormwater Quantity”** shall mean the post 100-year-24-hour storm event development flow must equal or be less than the pre-development 2-year-24-hour storm flows from the site.
- 10.1.14 “Stormwater Retention or Detention Facilities”** shall mean stormwater drainage structures such as a basin, best management practice or facility that detains or retains (infiltrates) surface drainage / rainwater runoff.
- 10.1.15 “Stormwater Volume”** shall be based on the capture, infiltration, and/or treatment by GMPs of a minimum of 0.6-inch of rainfall applied to impervious surfaces in the development.
- 10.1.16 “Total Runoff”** shall be based on the following storm events: 3 month 24 hour; 1 year 24 hour; 5 year 24 hour; 100 year 24 hour;
- 10.1.17 “Green Management Practices (GMPs)”** shall mean pervious pavement, rain gardens, green roofs, infiltration drains, wetlands, bioswales, increased green space, etc. consistent with the Green Infrastructure Design Manual. (MSD Design Manual, Chapter 18).
- 10.1.18 “Water Quality Benefits”** shall be based on the threshold rain event the GMPs are able to treat through infiltration and/or pollutant removal. The GMP, or series of GMPs, must at a minimum, treat the threshold/minimum water quality rain event, as defined in the MSD design manual, imposed upon new development (ex. 0.60-inch or 1.0-inch rain event capture). Alternatively, this may include a detailed analysis performed by the property owner identifying the resultant discharge volume reduction and priority pollutant removal efficiencies.
- 10.1.19 “Green Infrastructure Signage”** shall mean static green infrastructure educational signage that is installed at a credited green site, and that is designed and placed in accordance with MSD standards and guidance.
- 10.1.20 “Volume Infiltrated”** shall mean the depth, in inches, of rainfall applied to the impervious surface that is captured and infiltrated by a GMP.

**10.1.21 "Connected Downspout"** shall mean the conveyance of roof drainage on private property, by pipe or other means, directly to an MSD collection system that conveys flow to a WQTC.

## **10.2 Service Charge**

A drainage service charge is imposed on every parcel of land within the drainage service area except for the following exempted properties:

**10.2.1** City-owned property where that incorporated city has entered into an interlocal drainage service agreement with MSD providing for detention basin sites, easements, drainage rights-of-way or other assets of value comparable to applicable drainage service charges;

**10.2.2** Properties owned by the Metro Government, or their budgeted agencies, which have offset their drainage service charges by the dedication of drainage facilities and future considerations through concomitant cooperative agreements;

**10.2.3** MSD-owned property;

**10.2.4** Public roads;

**10.2.5** All undeveloped parcels of land.

**10.2.6** Properties owned by a fire district organized pursuant to KRS Chapter 75.

The following charges are hereby established and imposed for all parcels or real property within the drainage service area, excluding exempted properties;

### **10.3 Class A properties or Single-Family Residential**

The single-family residential charge rate shall be **\$9.90** per month for each parcel having one or two residential dwelling unit(s). This flat rate fee is based on each single-family residential parcel being equal to one equivalent service unit (ESU). MSD shall determine the number of single-family residential parcels in the drainage service area and designate each as a single ESU irrespective of the size of parcel is segregated or the use of the land is modified to other than single-family. Drainage Charges may be pro-rated based on the number of actual days in a billing cycle.

### **10.4 Class B or other Parcels**

The charge for all other parcels within the drainage service area shall be based upon the number of square feet of measured impervious surface, as determined by MSD through aerial photography and surface feature evaluation processes, expressed in whole ESUs by rounding to the next highest ESU (an ESU has been determined to be 2,500 square feet of impervious surface). The charge for Class B property may be computed by multiplying the number of ESUs for a given parcel by the unit rate established by MSD of **\$9.90** per month. Drainage Charges may be pro-rated based on the number of actual days in a billing cycle. Any owner of Class B property may request a drainage charge credit adjustment for approved on-site stormwater retention or detention facilities provided:



- 10.4.1 The property owner remains responsible for all costs of operation and maintenance of the facility;
- 10.4.2 The facility has been constructed in accordance with all approved plans; “and drainage service charges” following the term “Wastewater Service Charges” whenever said term appears in said provision.
- 10.4.3 The owner has obtained MSD required permits for the facility; and
- 10.4.4 MSD has access to the facility for purposes of inspecting for compliance with design, maintenance and operating standards.

**10.5 Credits-Monthly Drainage Service Credit**

If MSD approves a drainage charge credit for on-site stormwater retention or detention facilities, the credit will be applied by reducing the number of billable ESUs by the percent of reduction in stormwater runoff due to such on-site facilities, as determined by MSD. The net billable ESUs after such credit is applied shall be expressed in whole ESUs by rounding to the next highest ESU. The adjusted drainage service charge shall not be less than 50% of the drainage service charge before the credit adjustment.

Applications for credits and stipends utilizing green infrastructure GMPs that exceed minimum requirements established by local ordinance and the MSD Design Manual will be reviewed to consider potential credit for peak flow rate reduction, total site runoff reduction, water quality benefit and green infrastructure outreach/education. Customers will be eligible for either a detention credit or the current MSD Drainage Credit Program, not both. The credit shall be calculated differently depending on the system to which the project drains, either the combined sewer area or MS4 area. Determination of which system the credit application applies to can occur at [www.msdstormwaterquality.org](http://www.msdstormwaterquality.org). The basis for the credit computation is as follows:

### Credit Computation Basis

MSD Drainage Credit Program					
	Category	Max Credit	Design Condition	Credit Allocation	
MS4 Area	Stormwater Quantity	30%	2yr Post Developed Flow = (1/2) 2yr Pre Developed Flow	10%	
			10yr Post Developed Flow = (1/2) 10yr Pre Developed Flow	10%	
			100yr Post Developed Flow = (1/2) 100yr Pre Developed Flow	10%	
	Stormwater Volume	15%	Stormwater Volume Credit = [(Volume infiltrated) * X 10%] with a maximum of credit of 15%		
	MAX Stormwater Volume				15%
Green Infrastructure Signage	5%	Signage		5%	
				50%	
Combined Sewer Area	Stormwater Quantity	15%	Post Developed 100 yr Flow = Pre Developed 2 yr Flow	15%	
	Stormwater Volume	30%	Stormwater Volume Credit = [ ((Volume Infiltrated)X 20%) -30%] with a maximum credit of 30%		
	MAX Stormwater Volume			30%	
	Green Infrastructure Signage	5%	Signage		5%
				50%	

Credit and stipend applications must include proposed operation, maintenance, and inspection plans. Applicants will be required to provide annual certifications documenting that the required inspections and maintenance were performed to maintain the credit. In addition, access must be granted to MSD to perform inspections for the life of the credit. Applications for a credit or stipend must also include construction plans prepared in accordance with standards defined in the MSD Design Manual. This requirement includes preparation of plans by a qualified professional.