

# District of Columbia Green Infrastructure Incentive Programs

---

4/11/19

DC Water Stakeholders Alliance

 GOVERNMENT OF THE  
DISTRICT OF COLUMBIA  
MURIEL BOWSER, MAYOR

 DEPARTMENT  
OF ENERGY &  
ENVIRONMENT



# Overview

---

- CRIAC Relief Program
  - CRIAC Overview
  - Residential Relief Program
  - Nonprofit Relief Program
- RiverSmart Homes
- RiverSmart Rebates
- RiverSmart Communities
- RiverSmart Schools
- RiverSmart Rooftops
- RiverSmart Rewards
- SRC Trading Program
- SRC Site Evaluation
- SRC Aggregator Startup Grant



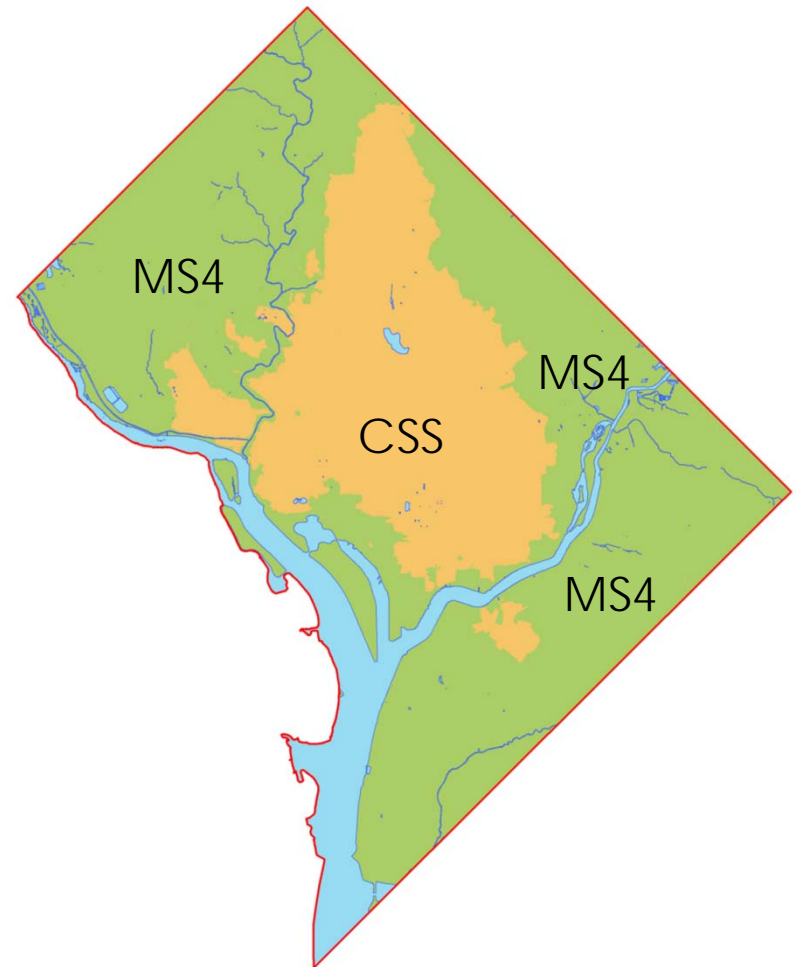
*Green Infrastructure at DOE Headquarters*



*RiverSmart Green Infrastructure at Takoma Rec Center*


# Stormwater Fees Assessed on DC Water Bills

- DC Water's Clean Rivers Impervious Area Charge (CRIAC) is used to fund the Clean Rivers Project in the combined sewer system (CSS)



# Stormwater Fees Assessed on DC Water Bills

- DC Water's Clean Rivers Impervious Area Charge (CRIAC) is used to fund the Clean Rivers Project in the combined sewer system (CSS)
- D.C. Government Stormwater Fee is used to fund Clean Water Act compliance in the separate sewer system (MS4)
- Both fees are assessed on the monthly DC Water bill
- Based on amount of impervious surface
  - Equivalent Residential Unit (ERU)
  - 1 ERU = 1,000 sf of impervious area
  - 10,800 sf of impervious = 10.8 ERUs
  - CRIAC is \$23.00 per ERU
  - DC Stormwater Fee is \$2.67 per ERU

		Account Number: 1234567-1	Service Address: ### Street Name AVE SE	Questions/Preguntas: (202) 354-3600
		Square/Suffix/Lot: ###/###/###	Impervious Sq. Ft: 10,800	Emergencies/Emergencia: (202) 612-3400
				Visit Us Online: DCWater.com

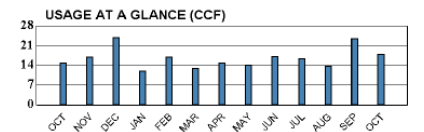
Meter Number	Meter Size	Prior Read Date	Current Read Date	Number of Days	Prior Read	Current Read	Usage (CCF)	Usage (Gallons)	Read Type
#####	2"	9/26/18	10/23/18	28	73,820	75,620	18.00	13464.00	ACT

BILL SUMMARY		CURRENT CHARGES - COMMERCIAL	
Bill Date	10/23/18	Metering Fee 2"	\$7.54
Previous Balance	\$654.43	Water System Replacement Fee 2"	\$83.75
Payments as of 10/23/18	\$654.43 cr	Water Services 3.21 CCF X \$4.40	\$14.12
Outstanding Amount Due	\$0.00	Water Services 14.79 CCF X \$4.05	\$59.90
Other Charges and Credits	\$0.00	Sewer Services 3.21 CCF X \$6.00	\$19.26
Current Charges	\$588.64	Sewer Services 14.79 CCF X \$7.75	\$114.62
<b>Total Amount Due by 11/17/18</b>	<b>\$588.64</b>	Clean Rivers 10.80 ERU X \$23.00	\$248.40
		DC GOVERNMENT FEES	
		DC Government PILOT Fee 3.21 CCF X \$0.49	\$1.57
		DC Government PILOT Fee 14.79 CCF X \$0.50	\$7.40
		DC Government ROW Fee 18.00 CCF X \$0.18	\$3.24
		DC Govt Stormwater Fee 10.80 ERU X \$2.67	\$28.84
		<b>Total Current Charges</b>	<b>\$588.64</b>
		<b>TOTAL CURRENT BILL</b>	<b>\$588.64</b>


  

**IMPORTANT MESSAGES**  
 New rates went into effect October 1. This month's bill includes a line for the water used before October 1 (at the old rates) and another line for water used October 1 and after (at the new rates). To learn more about the rate change, visit our website at [www.DCWater.com/approved-rates](http://www.DCWater.com/approved-rates).

With paperless billing, you can receive and pay your bill online. Log into My DC Water for more information.



Please return the portion below with your payment to ensure proper credit to your account.

	<b>Make a SPLASH to help those in need pay their water bill</b>	Account Number	1234567-1
Enroll in recurring Round Up by logging into MyDCWater.com.		Total Amount Due: 11/17/18	\$588.64
		Amount Due After: 11/22/18	\$647.50
		Amount Enclosed	\$
		Please allow time for your payment to reach us.	

NONPROFIT ORGANIZATION  
 1234 #TH ST SE  
 WASHINGTON DC 20020

ENROLLED IN AUTO PAY  
 BALANCE WILL BE AUTOMATICALLY  
 DEDUCTED ON THE DUE DATE.

# CRIAC Residential Relief Programs

- **Who's Eligible?**

- CAP: Households below 60% SMI
- CAP2: Households below 80% AMI
- CAP3: Households below 100% AMI

- **Incentive Amount:**

- CAP: Average annual discount \$760
  - 50% CRIAC discount, 4 CCF credit on Water & Sewer Services
- CAP2: Average annual discount \$520
  - 50% CRIAC discount and 3 CCF credit on Water & Sewer Services
- CAP3: Average annual discount \$210
  - 75% CRIAC discount

HOUSEHOLD INCOME LIMITS FOR THE CUSTOMER ASSISTANCE PROGRAM (CAP)			
Size	CAP	CAP2	CAP3
	Income Limit - 60% of SMI	Income Limit - 80% of AMI	Income Limit - 100% of AMI
1	\$30,918	\$65,650	\$82,050
2	\$40,431	\$75,000	\$93,750
3	\$49,944	\$84,400	\$105,500
4	\$59,457	\$93,750	\$117,200
5	\$68,970	\$101,250	\$117,200*
6	\$78,483	\$108,750	\$117,200*
7	\$80,267	\$116,250	\$117,200*
8	\$82,051	\$117,200*	\$117,200*

\*Figures are capped based on language from the Budget Support Act

# Clean Rivers Impervious Area Charge Nonprofit Relief Program

- **Who's Eligible?**
  - Charitable nonprofits, houses of worship, and cemeteries
- **What's Required?**
  - Financial hardship in payment of Clean Rivers charge (CRIAC)
    - Hardship is established if CRIAC is more than 1.0% of organization's net revenue
  - Stormwater mitigation
    1. Planting one tree per ERU;
    2. Managing 10% of impervious area through installation of green infrastructure (GI); or
    3. Funding GI on another property (10 SRCs or \$20/ERU)
- **Incentive Amount:**
  - Up to a 90% discount on the CRIAC



# RiverSmart Homes

- **Who's Eligible?**
  - Residential properties up to 4 units
- **What's Required?**
  - Request free audit from DOEE and schedule install of eligible green infrastructure with an approved contractor
- **Incentive Amount:**
  - Trees are free!
  - Homeowner copay amounts:
    - \$100 per rain garden
    - \$100 per Bayscaping install
    - \$50-\$70 per rain barrel



# RiverSmart Rebates

- **Who's Eligible?**
  - ALL private properties (multifamily, residential, commercial, & educational)
- **What's Required?**
  - Installation of green infrastructure (separate from RiverSmart Homes)
  - Application timeline of approximately 2 months
- **Incentive Amount:**
  - Trees: Up to \$100 per tree (25 max)
  - Rain barrel: \$2 per gallon captured
  - Rain garden: \$3 per sq ft treated
  - Revegetation: \$5 per sq ft
  - Pavers: \$10 per sq ft





# RiverSmart Communities

- **Who's Eligible?**
  - Nonprofits and places of worship (includes some cemeteries)
- **What's Required?**
  - Apply for consideration through competitive grant. Projects must be voluntary and recipients must perform outreach.
- **Incentive Amount:**
  - \$30,000 on average; DOEE manages design and install



*RiverSmart Communities installs at (left) 1<sup>st</sup> Rock Baptist & (Right) St. Paul's Rock Creek*

# RiverSmart Schools

- **Who's Eligible?**
  - All K-12 schools in the District (DCPS, private, and Public Charter)
- **What's Required?**
  - Apply for consideration through competitive grant. Schools receive training and perform outreach
- **Incentive Amount:**
  - Up to \$70,000 for schoolyard greening & training; DOEE manages design and install



*RiverSmart  
Schools  
installation  
at Ludlow-  
Taylor  
Elementary  
School*

# RiverSmart Rooftops

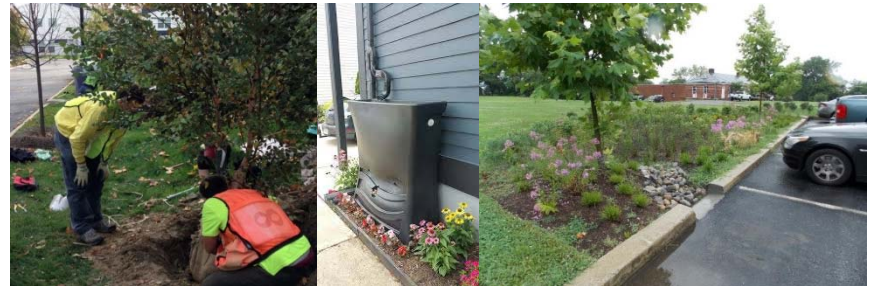
- **Who's Eligible?**
  - All District property owners (including residential, commercial, & educational)
- **What's Required?**
  - Apply for rebate before installing green roof
- **Incentive Amount:**
  - \$10 per square foot (in CSS)
  - \$15 per square foot (in MS4)



*RiverSmart Rooftops  
residential installation*

# RiverSmart Rewards

- **Who's Eligible?**
  - All District property owners with green infrastructure (GI)
- **What's Required?**
  - Install GI through any voluntary or regulatory program
- **Incentive Amount:**
  - Up to 55% off DOEE Stormwater Fee
  - Up to 4% off CRIAC



Left to right, tree planting, rain barrel, rain garden

**dc water is life** Account Number: 1234567-1  
 Service Address: 1234 #TH Street SE  
 Square/Suffix/Lot: #####/#####  
 Impervious Sq. Ft.: 10,800

Questions/Preguntas: (202) 354-3600  
 Emergencies/Emergencia: (202) 612-3400  
 Visit Us Online: DCWater.com

Meter Number	Meter Size	Prior Read Date	Current Read Date	Number of Days	Prior Read	Current Read	Usage (CCF)	Usage (Gallons)	Read Type
#####	2"	9/26/18	10/23/18	28	73,820	75,620	18.00	13464.00	ACT

**BILL SUMMARY**

Bill Date	10/23/18	Metering Fee 2"	\$7.54
Previous Balance	\$654.43	Water System Replacement Fee 2"	\$83.75
Payments as of 10/23/18	\$654.43 cr	Water Services 3.21 CCF X \$4.40	\$14.12
Outstanding Amount Due	\$0.00	Water Services 14.79 CCF X \$4.05	\$59.90
Other Charges and Credits	\$0.00	Sewer Services 3.21 CCF X \$6.00	\$19.26
Current Charges	\$562.84	Sewer Services 14.79 CCF X \$7.75	\$114.62
<b>Total Amount Due by 11/17/18</b>	<b>\$562.84</b>	Clean Rivers IAC Credit 0.43 ERU X \$23.00	\$9.89 cr
		Clean Rivers IAC Credit 0.43 ERU X \$23.00 cr	\$9.94 cr

**CURRENT CHARGES - COMMERCIAL**

**DC GOVERNMENT FEES**

DC Government PILOT Fee 3.21 CCF X \$0.49	\$1.57
DC Government PILOT Fee 14.79 CCF X \$0.50	\$7.40
DC Government ROW Fee 18.00 CCF X \$0.18	\$3.24
DC Govt Stormwater Fee 10.80 ERU X \$2.67	\$28.84
RiverSmart Rewards Discount 5.94 ERU X \$2.67 cr	\$15.86 cr
<b>Total Current Charges</b>	<b>\$562.84</b>
<b>TOTAL CURRENT BILL</b>	<b>\$562.84</b>

**IMPORTANT MESSAGES**  
 New rates went into effect October 1. This month's bill includes a line for the water used before October 1 (at the old rates) and another line for water used October 1 and after (at the new rates). To learn more about the rate change, visit our website at www.DCWater.com/approved-rates.

With paperless billing, you can receive and pay your bill online. Log into My DC Water for more information.

# Stormwater Retention Credit (SRC) Trading Program

- **Who's Eligible?**
  - Properties and SRC-aggregating businesses that voluntarily install green infrastructure
- **What's Required?**
  - DOEE approval of Stormwater Management Plan
  - Successfully pass construction and maintenance inspections
  - Maintenance contract/plan
- **Incentive Amount:**
  - Average \$1.85/SRC on market last 12 months
  - Sell to DOEE at fixed rates through SRC Price Lock Program

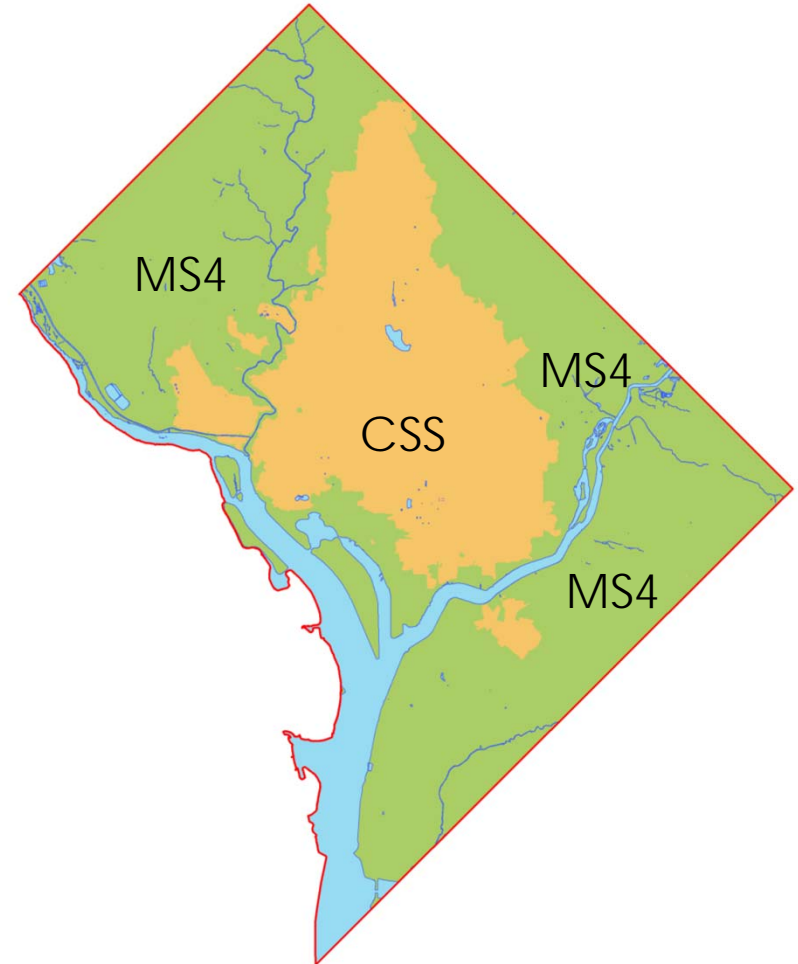


*Green Infrastructure at East Washington Heights Baptist Church, top, and Progressive National Baptist Convention, bottom.*



# SRC Price Lock Program

- **Who's Eligible?**
  - New, voluntary green infrastructure (GI) projects in MS4
- **What's Required?**
  - Preliminary GI project design
  - Letter of support from site owner
- **Incentive Amount:**
  - Opportunity to sell SRCs to DOEE, while still having opportunity to sell on market
  - Tidal MS4:
    - \$1.70/SRC, years 1 - 6
    - \$0.40/SRC, years 7 - 12
  - Non-Tidal MS4
    - \$1.95/SRC, years 1 - 6
    - \$0.40/SRC, years 7 - 12



# SRC Site Evaluation

- **Who's Eligible?**
  - Properties in MS4 with  $\geq 0.5$  acres
- **What's Required?**
  - Apply through DOEE's website
  - Generally describe your interest in green infrastructure
  - Interest in participating in the SRC Price Lock Program
- **Incentive Amount:**
  - Free evaluation of green infrastructure opportunities on the site



Voluntary SRC-generating site at 650 Parkside Place NE



# SRC Aggregator Startup Grant

- **Who's Eligible?**
  - SRC-aggregating businesses working in the MS4
- **What's Required?**
  - Apply with a plan for identifying sites, conducting outreach, and developing preliminary green infrastructure designs
  - Intent to participate in the SRC Price Lock Program
- **Incentive Amount:**
  - Grant of up to \$75,000



*Green Infrastructure at East Washington Heights Baptist Church, top, and Mount Olivet Cemetery, bottom.*





# Thank you! Questions?

FOR MORE INFORMATION ON:

*CRIAC Relief and SRC Trading Programs:*

Brian Van Wye, Associate Director  
Regulatory Review Division

[brian.vanwye@dc.gov](mailto:brian.vanwye@dc.gov)

(202) 741-2121

RiverSmart Programs:

Matt Weber, Chief  
Restoration Branch

[matthew.weber2@dc.gov](mailto:matthew.weber2@dc.gov)

(202) 535-1144



[www.doe.dc.gov](http://www.doe.dc.gov)

@DOEE\_DC 