

# Stormwater Retention Credit Certification, Trading, and Use

Department of Energy and Environment



# Training Objectives

- Understand how the Stormwater Retention Credit (SRC) trading program can help restore the District's waterbodies
- Understand how SRCs may be a cost-effective option for complying with the District's stormwater regulations
- Understand how properties can generate revenue by installing green infrastructure
- Be able to analyze the financial return from potential SRC projects and participate in the SRC program

# Training Outline

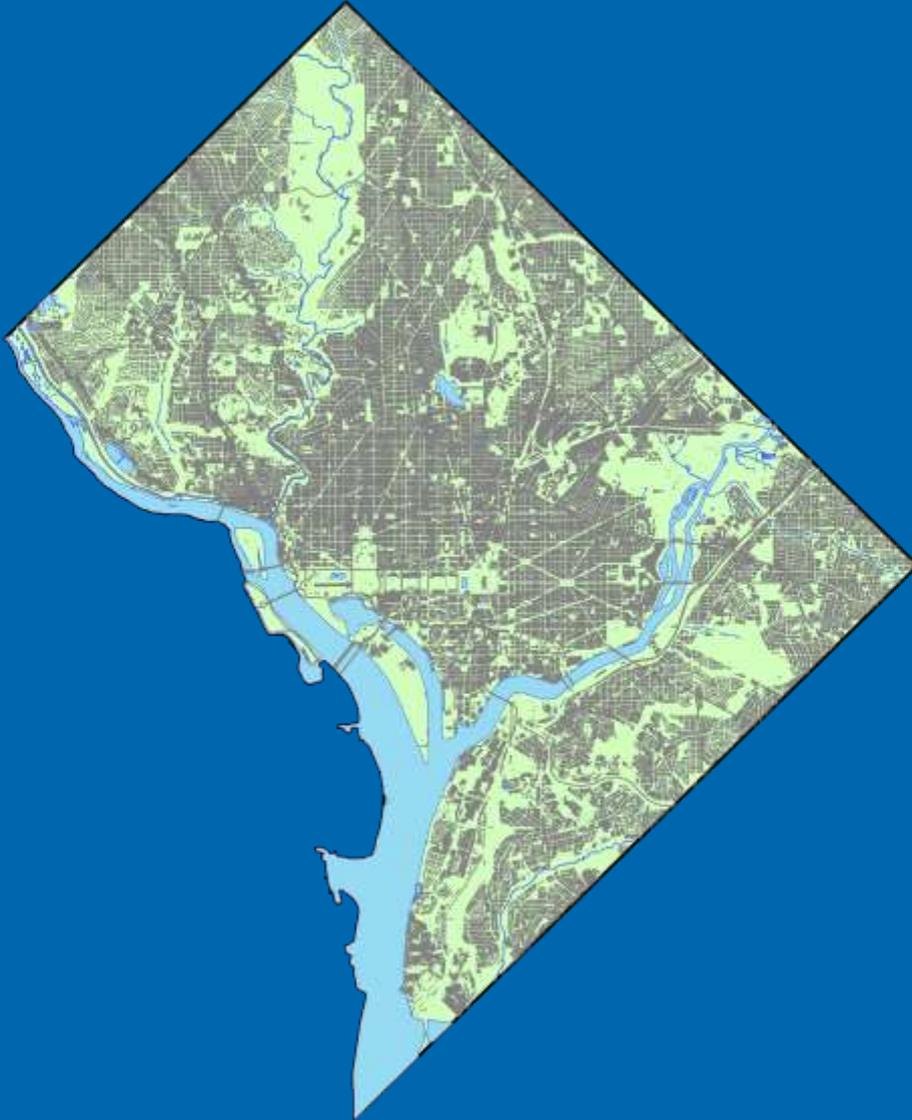
- Stormwater Runoff and Green Infrastructure
- Using SRCs to comply with District requirements
- Generation of SRCs
  - Eligibility, maintenance requirements, and certification
  - Buying and selling SRCs
  - SRC Price Lock Program
  - SRC Aggregator Startup Grant Program
  - SRC Site Evaluation Program
  - DOEE facilitation of the market and SRC market status
- Benefits of SRC program to District waterbodies

# Training Outline - Continued

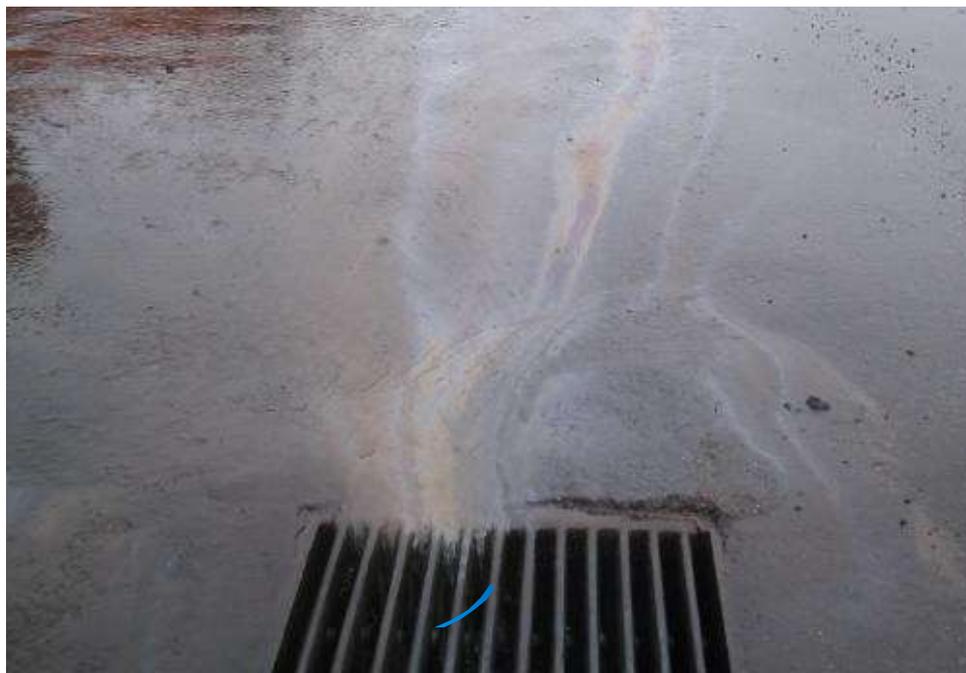
- Break
- Financial Return on SRC Projects
- Stormwater Database
  - Submitting SRC Program Applications
  - SRC and Offv Registry
- Group Activity

# Stormwater Runoff and Green Infrastructure

# Imperviousness in the District



- 43% of the District's land is impervious.
- A single 1.2-inch storm produces about 525 million gallons of stormwater runoff.



# Cost of the Problem



- Combined Sewer system
  - \$2.6B+ capital project
  - Largely funded by rate payers
- MS4
  - \$7B+ green infrastructure (GI) build-out
  - \$10M/year public investment

# Green Infrastructure Retrofits

- Retain stormwater runoff, reducing pollution
- Essential for long-term restoration of waterbodies



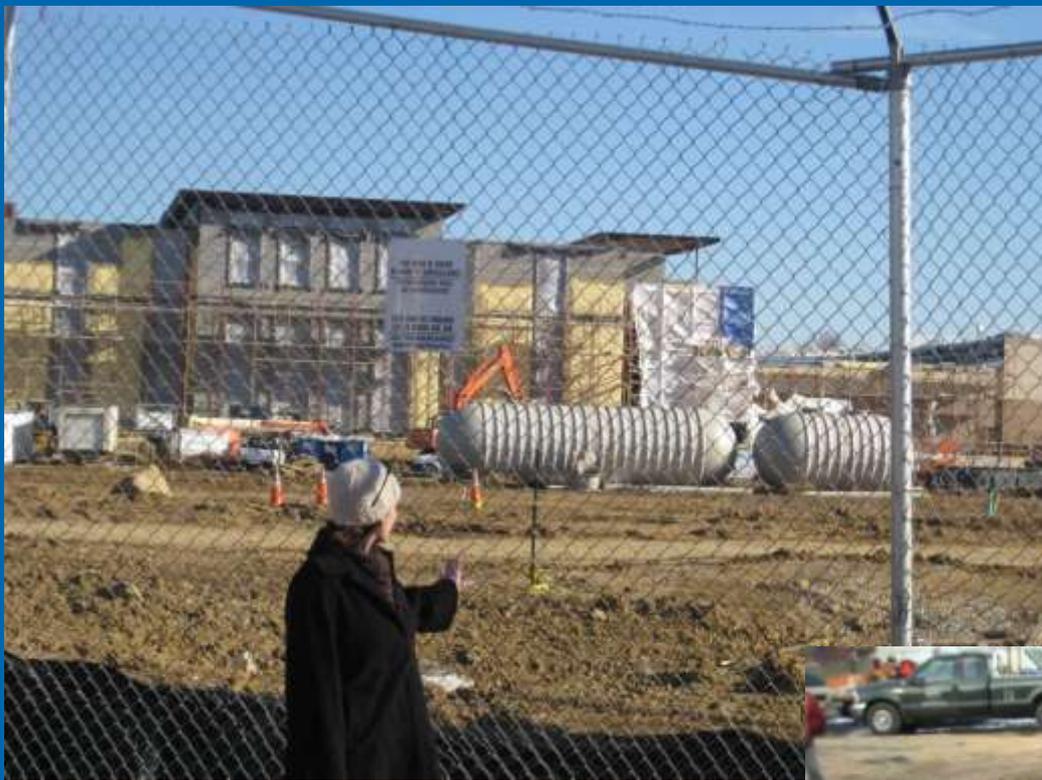
# Green Roofs



# Bioretention Cells



# Rainwater Harvesting (non-potable)



# Regulations Key to MS4 Stormwater Solution

- Most regulated development in the District is redevelopment; trading was essential to implementing regulations.
- Large construction/redevelopment sites install GI to control runoff (called the Stormwater Retention Volume, or SWRV)
- Scale of development makes it biggest driver of retrofits and key part of the solution:

Total area subject to SWM regulations annually  
(15 Mill SF - @ 1% of land)

Total area retrofitted with retention via DOEE direct investment annually

10 : 1

# 2013 Stormwater Rule

## Major land-disturbing activity

- 5,000 ft<sup>2</sup> or more of land-disturbing activity.

## Major substantial improvement activity

- Renovation for which two conditions are met:
  - Cost exceeds 50% pre-project value of structure, and
  - Combined footprint of structure and land disturb  $\geq$  5,000 ft<sup>2</sup>.
- Example:
  - \$500,000 renovation of a \$1,000,000 structure
  - 4,000 ft<sup>2</sup> building, 1,000 ft<sup>2</sup> of land disturbance
  - or
  - 5,000 ft<sup>2</sup> building, 0 ft<sup>2</sup> of land disturbance

# Stormwater Retention Volume

- The runoff that must be retained by the regulated site is called the Stormwater Retention Volume (SWRv)
  - This is calculated using the required storm size for the site
    - 1.2 inches for Major Land Disturbing Activities
    - 0.8 inches for Major Substantial Improvement Activities
  - This may be retained through a combination of on-site and off-site retention

# Stormwater Retention Volume (SWRv)

Equation for a Major Land Disturbing Activity

$$\text{SWRv} = P (Rv_I * \%I + Rv_C * \%C + Rv_N * \%N) * SA * 7.48 / 12$$

- SWRv = Volume required to be retained (gal)
- P = 1.2 inches (90<sup>th</sup> percent rainfall event for the District)
- $Rv_I = 0.95$  (runoff coefficient for impervious cover)
- $Rv_C = 0.25$  (runoff coefficient for compacted cover)
- $Rv_N = 0.0$  (runoff coefficient for natural cover)
- %I = % of site in impervious cover
- %C = % of site in compacted cover
- %N = % of site in natural cover
- SA = Surface area (square feet)

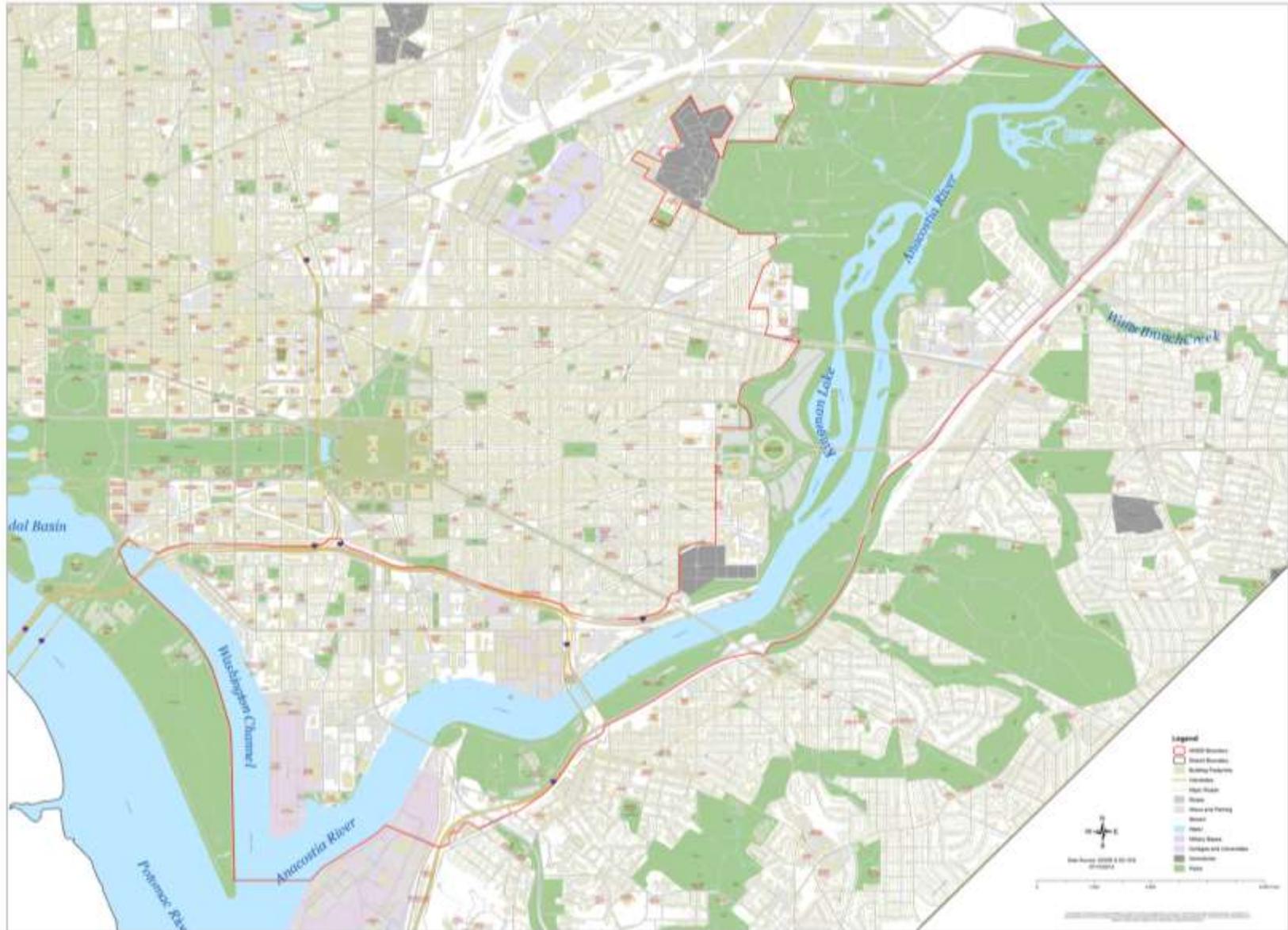
Impervious Surface = 14,000 sf

SWRv = 10,000 gal.

# Anacostia Waterfront Development Zone

- Sites within the AWDZ that receive District government funding have additional requirements:
  - Major Substantial Improvements have to retain stormwater from the first 1.0” of rainfall
  - All sites have to treat stormwater from the first 1.7” of rainfall

# Anacostia Waterfront Development Zone (AWDZ)



# Using Stormwater Retention Credits

# Allowable Use of Off-Site Retention

On-site retention  $\geq$  50% of Stormwater Retention Volume (SWRv).

- Free to go off site.



On-site retention  $<$  50% of SWRv.

- Must prove that on-site retention is technically infeasible or environmentally harmful.



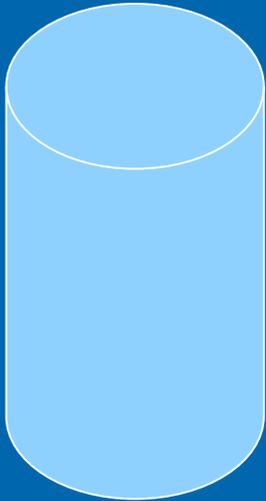
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SWRv = 10,000 gal.

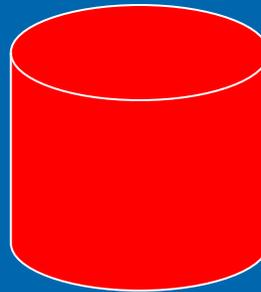
On-site minimum = 5,000 gal.

# Off-Site Retention Volume (Offv)

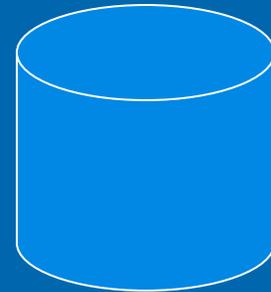
$$\text{SWRv} - \text{On-Site Retention Volume} = \text{Offv}$$



10,000  
gallons



5,000  
gallons



5,000  
gallons

# Two Options to Achieve Offv

## Stormwater Retention Credits (SRCs)

- Privately tradable.
- 1 SRC corresponds to 1 gallon of retention for 1 year.
- 1 SRC achieves 1 gallon of Offv for 1 year.
- Each SRC has a unique serial number.
- Buyer and seller negotiate price (\$2.07 12-month average).
- You can also generate your own SRCs.

## In-lieu fee (ILF) payment

- Paid to DOEE.
- Corresponds to 1 gallon of retention for 1 year.
- Achieves 1 gallon of Offv for 1 year.
- Adjusted annually for inflation (current price = \$3.61)

# On-site vs. Off-Site Compliance

- On-site compliance costs/benefits include:
  - The cost to design and install GI on-site
  - The cost to maintain GI on-site
  - Opportunity costs associated with lost space for other amenities
- Off-site compliance costs/benefits include:
  - SRC trading prices (\$2.07) or the ILF price (\$3.61)
  - Opportunities to generate SRCs from a voluntary GI project or by exceeding a regulatory requirement for another site
  - Potential time-saving in permitting and construction

# Calculating Cost to Achieve Offv

Impervious surface =  
14,000 sf

SWRv = 10,000 gal.

On-site minimum = 5,000 gal.

On-site retention = 7,000 gal.

Offv = 3,000 gal.

## Calculating Cost to Achieve 3,000 gal Offv

	<b>In-Lieu Fee</b>	<b>SRCs</b>
<b>Annual</b>	$= \$3.61 * 3,000$ $= \$10,830$	$= \text{SRC Market Cost} * 3,000$ $= \$6,210 \text{ (if cost} = \$2.07)$
<b>5 years</b>	$= 5 * \$3.61 * 3,000$ $= \$54,150$	$= 5 * \text{SRC Market Cost} * 3,000$ $= \$31,050 \text{ (if cost} = \$2.07)$

# Timeline for Achieving Offv

Approved  
SWMP  
with Offv

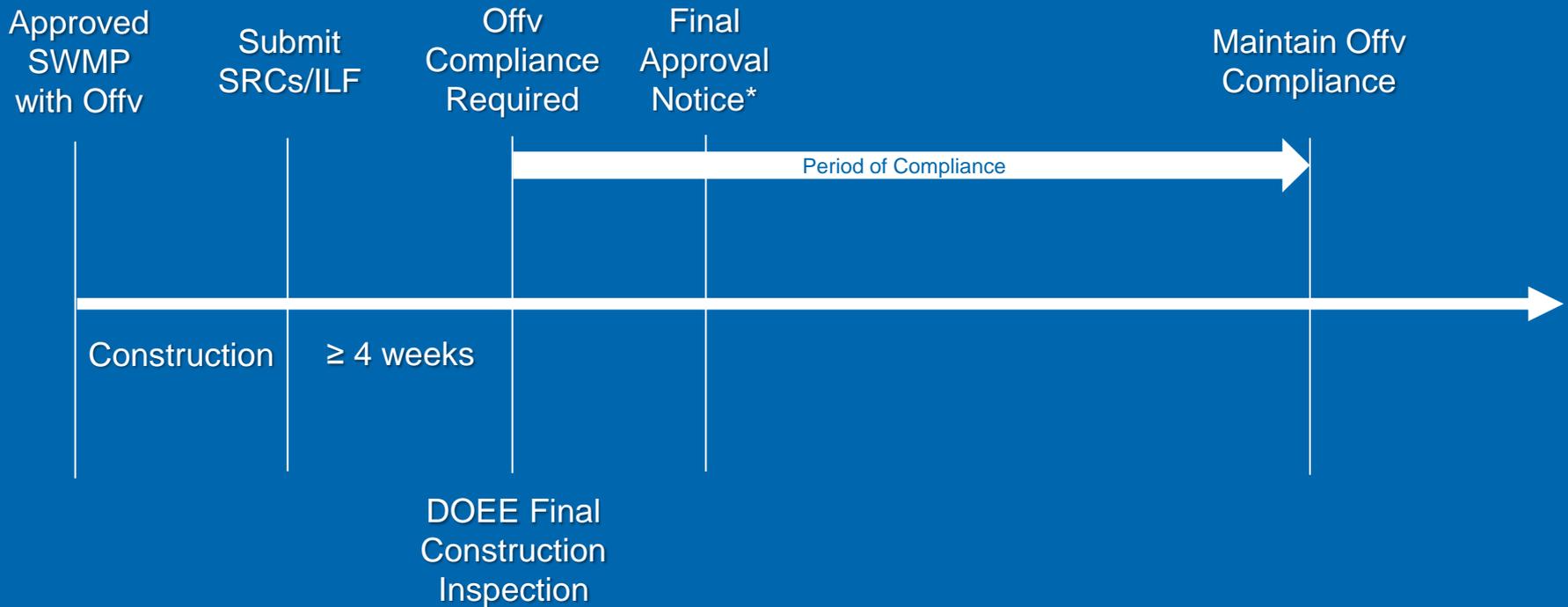
Offv  
Compliance  
Required

Construction

DOEE Final  
Construction  
Inspection

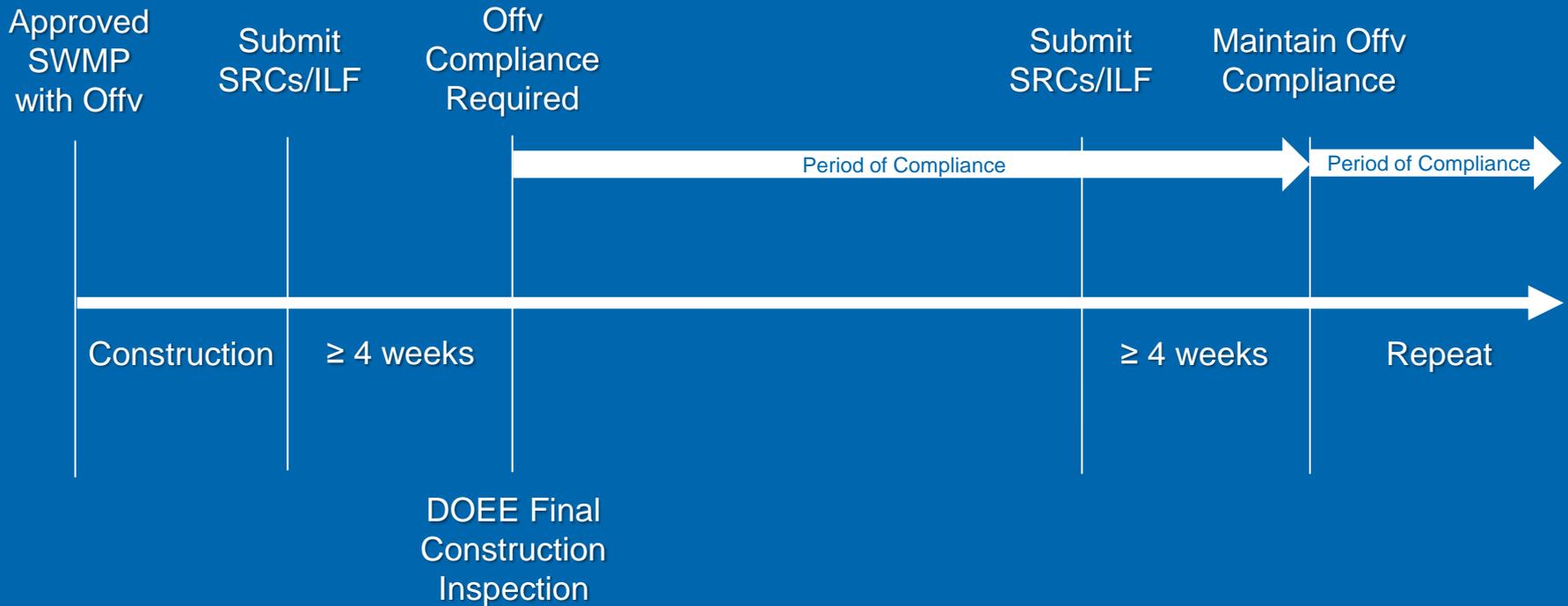


# Timeline for Achieving Offv



\* To receive a Final Approval Notice, regulated sites must submit an As-Built SWMP and proof of meeting any Offv obligation.

# Timeline for Achieving Offv



# Achieving Offv

- The Stormwater Management Plan (SWMP) states the Offv, but not how the Offv will be met
- SRCs / ILF due at Final Construction Inspection
- Offv is an ongoing obligation that can be:
  - Met annually or on a multiyear basis
  - Met with a mix of SRCs/ILF (and the mix can change)
  - Reduced in the future by installing additional retention
- If a site lapses in compliance with Offv:
  - DOEE assesses the ILF and a 10% late fee
  - DOEE will take enforcement action

# Use of SRCs

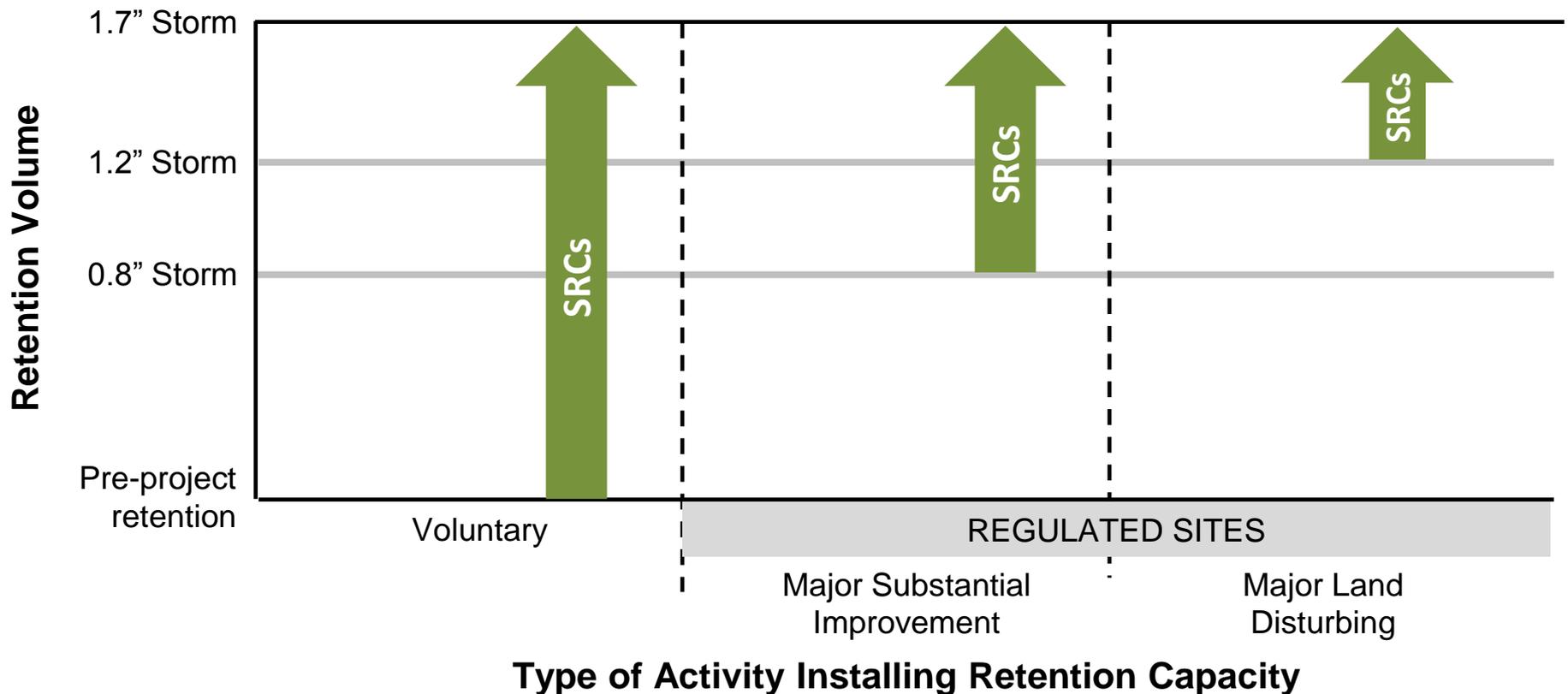
- SRCs can be banked indefinitely
- 1-year lifespan begins when SRCs are used
- Generally – no limits on use of credits based on watershed
  - AWDZ sites using non-Anacostia SRCs must use 1.25 SRCs per gallon of Offv
- Maintenance failure at SRC-generating sites does not invalidate SRCs purchased from that site
  - Original owner of the SRCs is responsible for replacing the lost retention capacity
- An SRC owner can retire SRCs

# Generation of SRCs

# Generating SRCs

- Reduce runoff by installing GI voluntarily or in excess of a regulatory requirement

## Retention Volume Eligibility: Stormwater Retention Credits (SRCs)



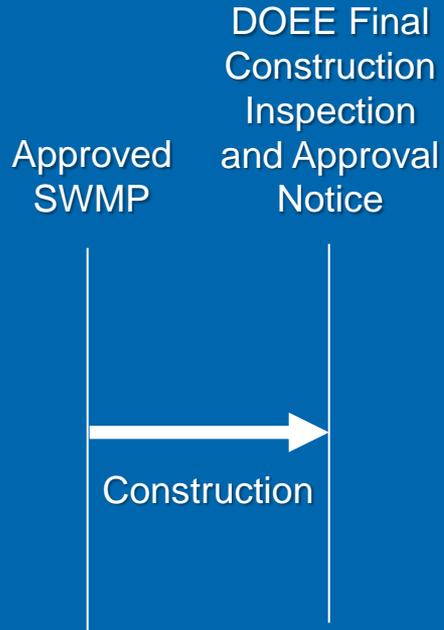
# Generating SRCs

- Reduce runoff by installing GI voluntarily or in excess of a regulatory requirement
  - Obtain DOEE approval of a Stormwater Management Plan
  - Project must be located in the District
  - Project must be installed after May 1, 2009
- Pass DOEE's construction and maintenance Inspections
- Provide a maintenance contract or plan for the period of SRC certification
  - You can receive SRCs for up to 3 years at a time

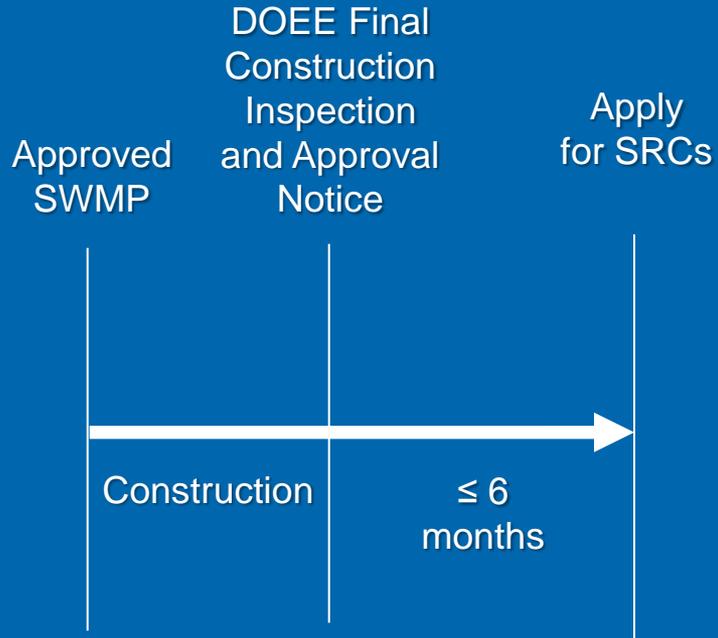
# Maintenance Requirements

- Property used for SRC-retrofits not permanently obligated to that use:
  - No maintenance covenant required for SRC-generating retention capacity.
  - Retention capacity must be maintained for time period for which DOE certifies SRCs.
  - Maintenance obligation can be ended by forfeiting SRCs or purchasing SRCs for DOE to retire or paying ILF.
- Failure to maintain retention capacity for time of SRC certification results in:
  - DOE requires retention volume to be compensated for.
  - DOE may take enforcement action.
  - No additional certification of SRCs.

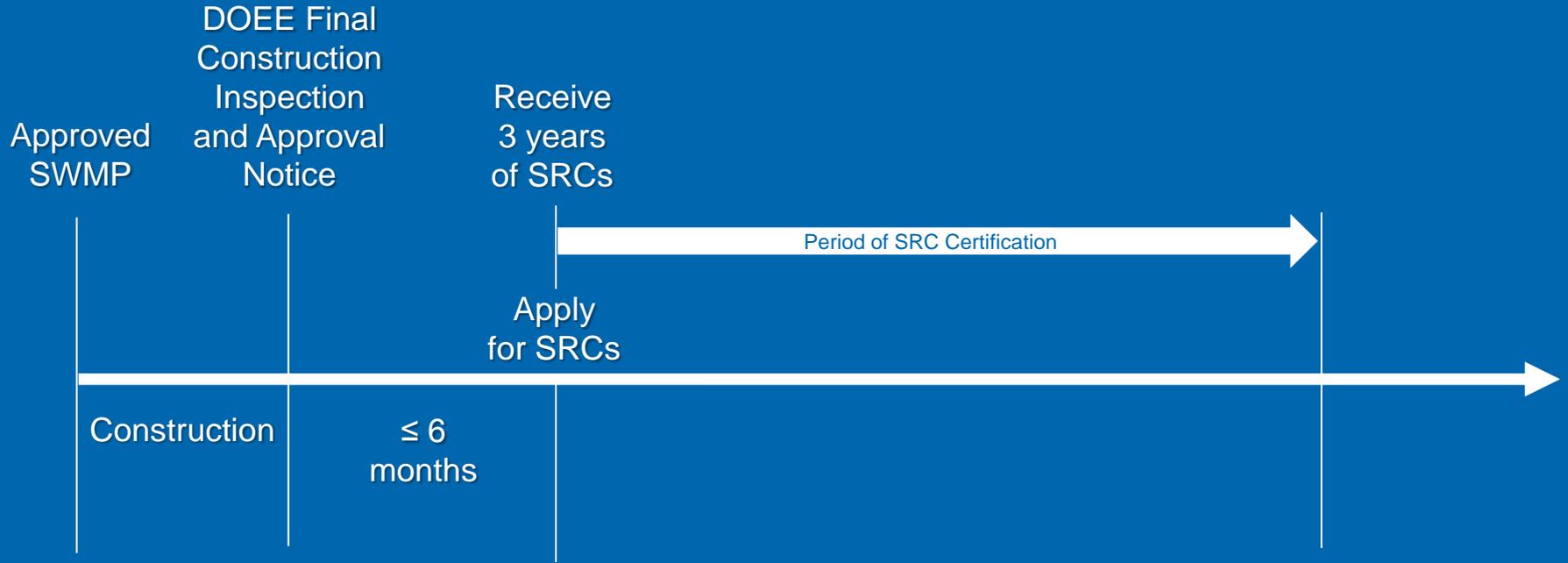
# Timeline for Generating SRCs



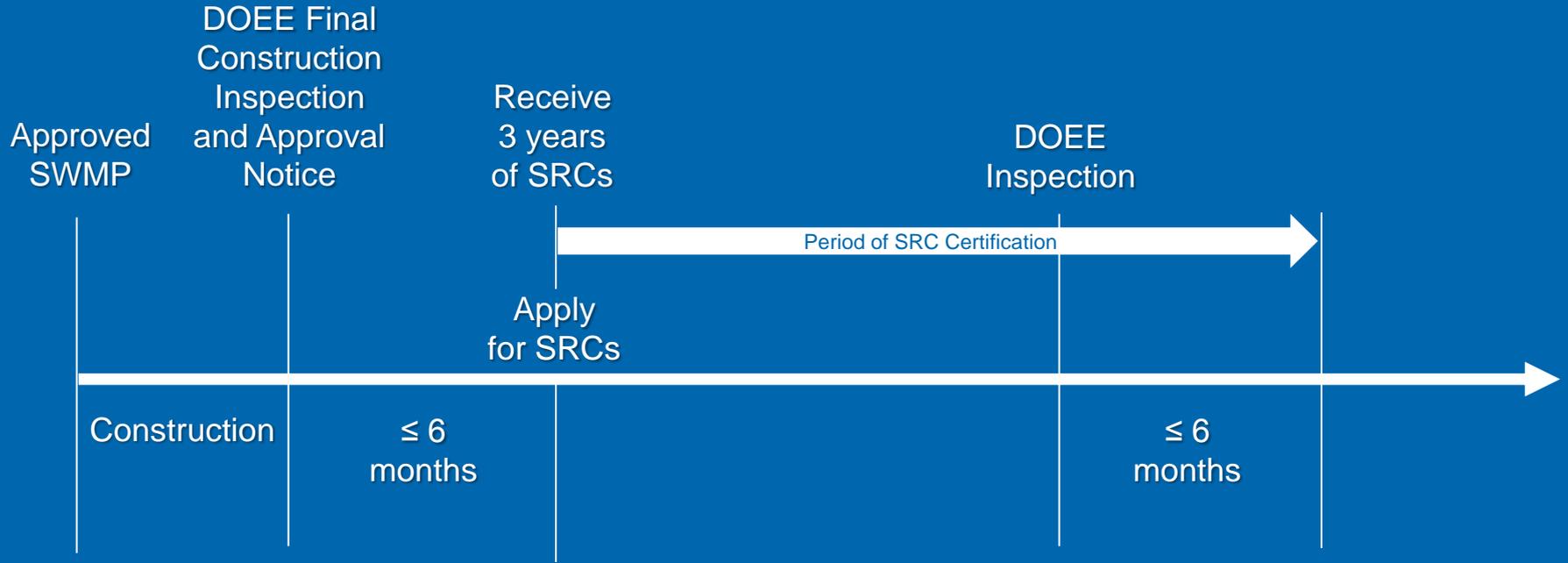
# Timeline for Generating SRCs



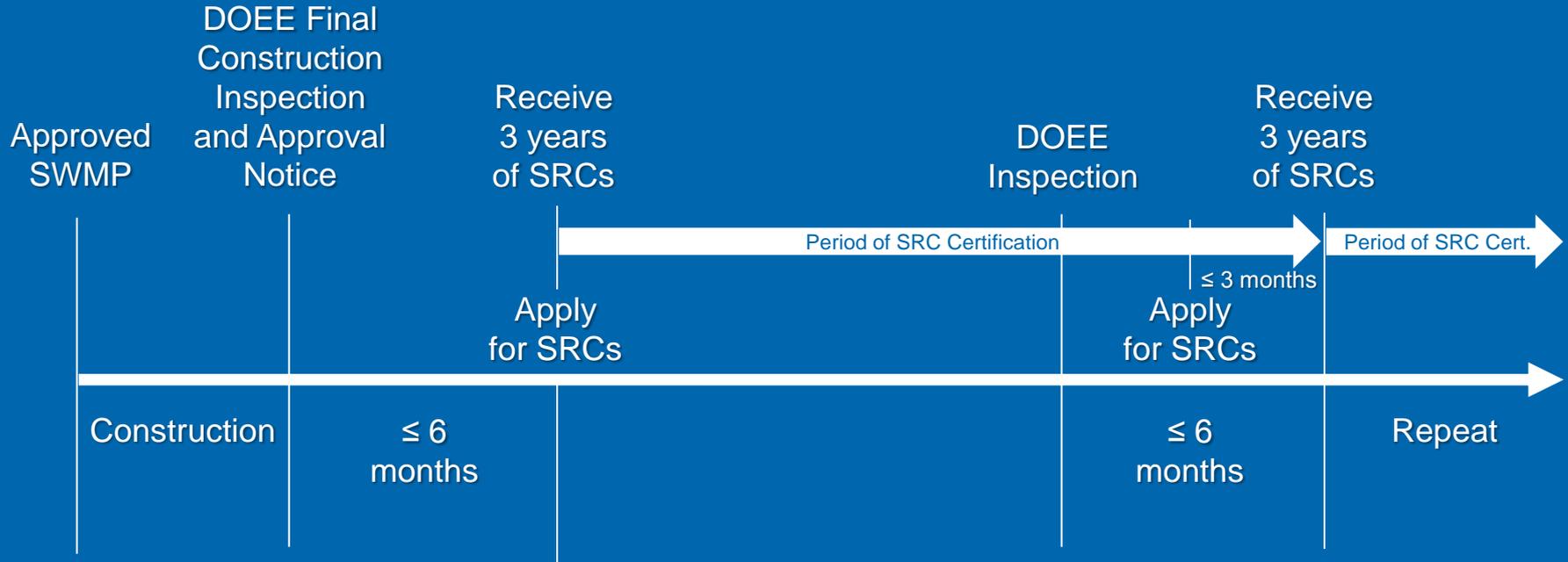
# Timeline for Generating SRCs



# Timeline for Generating SRCs



# Timeline for Generating SRCs



# Overview of SRC Certification Process

- 1) Design and receive DOEE approval of SWMP (review fees apply).
- 2) Install retention capacity
- 3) Pass DOEE final construction inspection
- 4) Apply for certification of SRCs, including:
  - 1) As-built SWMP
  - 2) For period of certification, submit maintenance contract or documentation of ability/expertise
- 5) Receive up to 3 years' worth of SRCs
- 6) Maintain retention capacity and pass inspections
- 7) After 3 years, apply for additional SRCs, including:
  - 1) For period of certification, maintenance contract or documentation of ability/expertise
- 8) Receive up to 3 years' worth of SRCs.  
-----Repeat 6-8 indefinitely-----

# Certification of Additional SRCs

Year of Application	Year of Certification	Number of SRCs	Total SRCs	Cumulative SRCs
Year 1	Year 1	1,000	3,000	3,000
	Year 2	1,000		
	Year 3	1,000		
Year 4	Year 4	1,000	3,000	6,000
	Year 5	1,000		
	Year 6	1,000		
Year 7	Year 7	1,000	3,000	9,000
	Year 8	1,000		
	Year 9	1,000		

# Unique Serial Number for Each SRC

Beginning of  
certification year  
(yyyymmdd)

-

Major & Sub  
drainage  
(A,R,P & 2 digits)

-

SWMP number  
(5 digits)

-

Individual gallon  
of capacity  
(6 digits)

20140101-A18-01400-000001

20140101-A18-01400-000002

20140101-A18-01400-000003

...

20140101-A18-01400-000998

20140101-A18-01400-000999

20140101-A18-01400-001000

# Unique Serial Number for Each SRC

Beginning of  
certification year  
(yyyymmdd)

-

Major & Sub  
drainage  
(A,R,P & 2 digits)

-

SWMP number  
(5 digits)

-

Individual gallon  
of capacity  
(6 digits)

20140101-A18-01400-000001 through 20140101-A18-01400-001000  
20150101-A18-01400-000001 through 20150101-A18-01400-001000  
20160101-A18-01400-000001 through 20160101-A18-01400-001000  
20170101-A18-01400-000001 through 20170101-A18-01400-001000  
20180101-A18-01400-000001 through 20180101-A18-01400-001000  
20190101-A18-01400-000001 through 20190101-A18-01400-001000

# Example SRC Transaction

- Grocery parking lot voluntarily retrofits w/4,000 gal GI practice to generate 3 years of SRCs or 12,000 SRCs.
- Church parking lot voluntarily retrofits w/2,000 gal GI practice to generate 3 years of SRCs or 6,000 SRCs.
- Regulated site has 3,000 gal Offv and purchases total of 18,000 SRCs to achieve Offv for 6 years.
- By end of 6-year period, regulated site purchases additional SRCs.

# Process for Buying and Selling Credits

1. Negotiate terms of transfer/contract between buyer and seller
    - Template contract available at [doee.dc.gov/src](http://doee.dc.gov/src)
  2. Submit application for transfer of SRC ownership
    - DOEE will process application and provide confirmation
- DOEE tracks price information for transfers and makes this public – but does not provide project/contact information associated with prices

# DOEE-Funded Projects

- DOEE limits SRC certification for projects that DOEE Funded
- DOEE certifies 50% of SRCs and withholds the other 50%
- Once the withheld 50% multiplied by the average selling price = the total value DOEE provided, DOEE will certify 100%

# DOEE-Funded Project Example

- DOEE provides \$5,000 for a BMP with 1,000 gallons of SRC eligibility

Year	SRC Eligibility	SRCs Certified	SRCs Withheld	Average Price	Value Recouped	Value Recouped to Date
1	1000	500	500	\$1.5	\$750	\$750
2	1000	500	500	\$2	\$1000	\$1750
3	1000	500	500	\$2	\$1000	\$2750
4	1000	500	500	\$1.5	\$750	\$3500
5	1000	500	500	\$1	\$500	\$4000
6	1000	500	500	\$2	\$1000	\$5000
7	1000	1000				
8	1000	1000				
9	1000	1000				

# SRC Price Lock Program

# SRC Price Lock Program

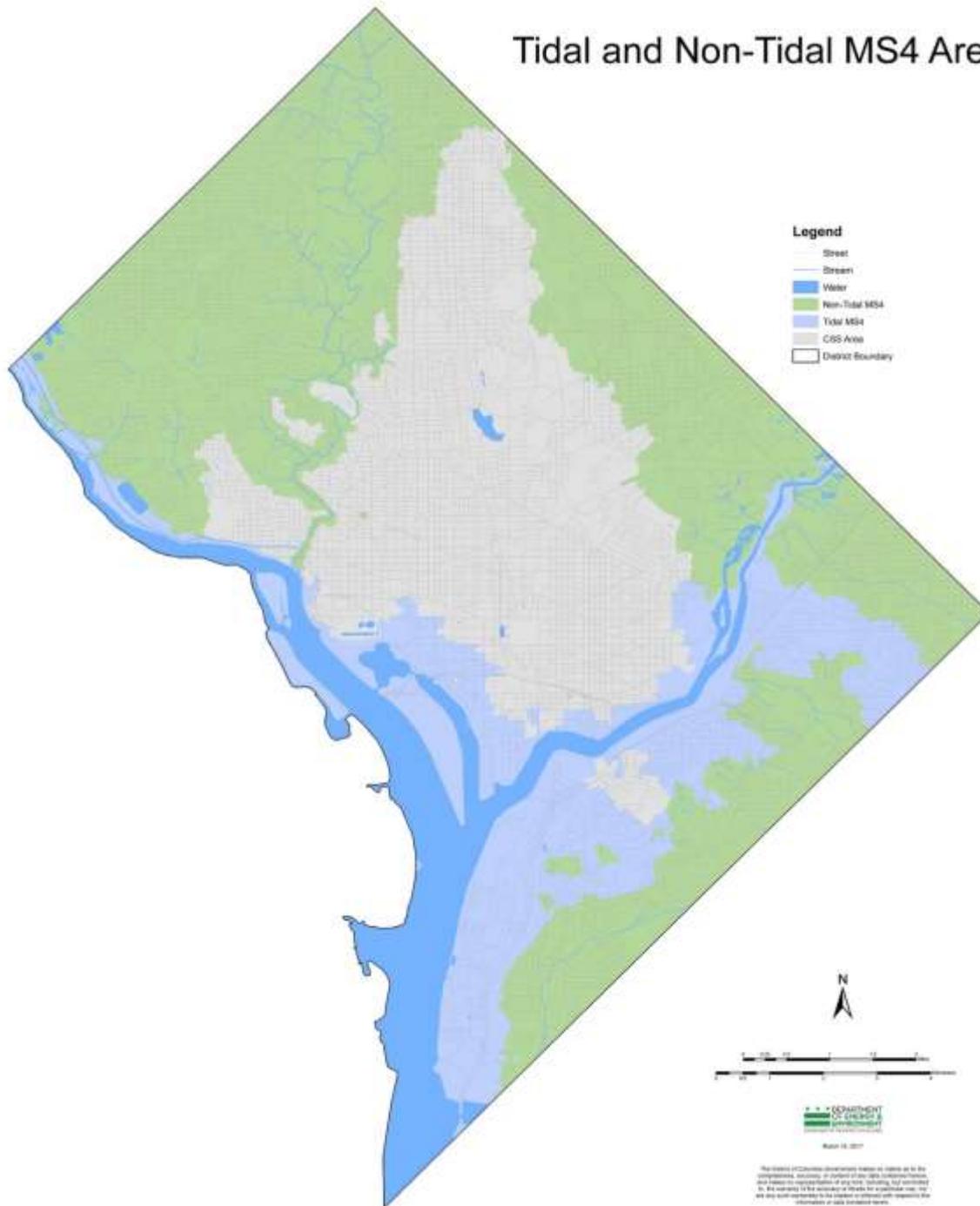
- DOEE is purchasing SRCs at fixed rates
  - Eligible GI must be new, voluntary, and in the MS4
  - Participants also have the option to sell on the market
- Option to sell to DOEE provides certainty about the revenue from an SRC-generating project
  - Effectively constitutes a price floor
- DOEE has made an initial commitment of \$11.5 million to purchase SRCs

# SRC Price Lock Program – Purchase Prices

- DOEE offers a price for the first 6 years of SRC certification that is expected to help recover construction costs
- DOEE offers a price for the subsequent 6 years that is expected to help cover maintenance costs
- Participants may negotiate a higher selling price on the market

Location	SRC Purchase Price, Years 1 through 6	SRC Purchase Price, Years 7 through 12
Non-Tidal MS4	\$1.95	\$0.40
Tidal MS4	\$1.70	\$0.40
CSS	N/A	N/A

# Tidal and Non-Tidal MS4 Areas



# SRC Price Lock Program - Process

- Apply online through the Stormwater Database
- Review and sign an SRC Purchase Agreement, which contains the purchase price and other terms
- Obtain DOEE approval for SWMP
- Construct green infrastructure, passing DOEE inspection
- Submit as-built SWMP

# SRC Price Lock Program - Process

- Apply for SRC Certification for 3 years
  - Choose whether to sell on the market or sell to DOEE
  - To sell to DOEE, you must submit an Intent to Sell SRCs form within 1 year of the SRC certification date. You can sell your SRCs to DOEE in two separate transactions within the 1-year period
  - Maintain green infrastructure through the period of SRC certification
- Repeat the above steps for 12 years of SRC certification
- After 12 years, you can continue to generate SRCs to sell on the market, but you will not be able to sell these SRCs to DOEE

# SRC Price Lock Program Application

- Preliminary (30%) design of proposed green infrastructure
  - Narrative description
  - Map or aerial view
  - Plan view sketch and cross section
  - Preliminary volume calculation
- Letter of support from property owner (if different from SRC seller)
- Cost estimate

# SRC Price Lock Program

- All \$11.5 million is held in an escrow account
  - DOEE reserves the necessary funding for each project to ensure it is available at the time of the sale
- Program is opt-in
  - There are no penalties if you do not generate and sell SRCs to DOEE, but this may result in expiration of the SRC Purchase Agreement
- DOEE's grantee, the Center for Watershed Protection, helps DOEE with administration of SRC Purchase Agreements

# SRC Aggregator Startup Grant Program

# SRC Aggregator Startup Grant

- DOEE offers grants of up to \$75,000 to assist SRC-aggregating businesses with preliminary technical and outreach work
  - Desktop assessment of prospective sites
  - Outreach to property owners
  - Field assessment/analysis of prospective sites
  - Preliminary design of green infrastructure
- Grants are administered by DOEE's grantee, the Center for Watershed Protection
- Can only be used to fund preliminary work on new, voluntary green infrastructure in the MS4

# SRC Aggregator Startup Grant – Process

- Apply for SRC Aggregator Startup Grant
- Review and Sign SRC Aggregator Startup Grant Agreement
- Conduct the technical and outreach work funded by the grant, submitting invoices for work completed
- Submit Final Project Report
- Consider installing the SRC-generating green infrastructure and apply for the SRC Price Lock Program

# SRC Site Evaluation Program

# SRC Site Evaluation

- DOEE's grantee, the Center for Watershed Protection, will evaluate green infrastructure opportunities
  - Will only be used to evaluate opportunities for new, voluntary green infrastructure in the MS4
  - Sites must have at least 0.5 acres available
  - Evaluations are provided directly to property owners
- Properties interested in green infrastructure can also work with SRC-aggregating businesses

# SRC Site Evaluation - Process

- Apply for SRC Site Evaluation Program
- If selected, schedule an evaluation with CWP
- Review SRC Site Evaluation
  - You may meet with CWP to discuss the evaluation if desired
- Consider installing the SRC-generating green infrastructure and apply for the SRC Price Lock Program

# DOEE Facilitation of the Market and Market Status

# DOEE Facilitation of the SRC Market

- Website, Stormwater Database, SRC and Offv Registry - [doee.dc.gov/src](http://doee.dc.gov/src)
- SRC Price Lock Program
- SRC Aggregator Startup Grant Program
- SRC Site Evaluation Program
- Contract template for SRC transfers
- Discussion Board – [hootboard.com/srcprogram](http://hootboard.com/srcprogram)
- GIS viewer for impervious areas
- Financial Return Calculator

# SRC Market Data (11/17/2017)

## ➤ SRC trades

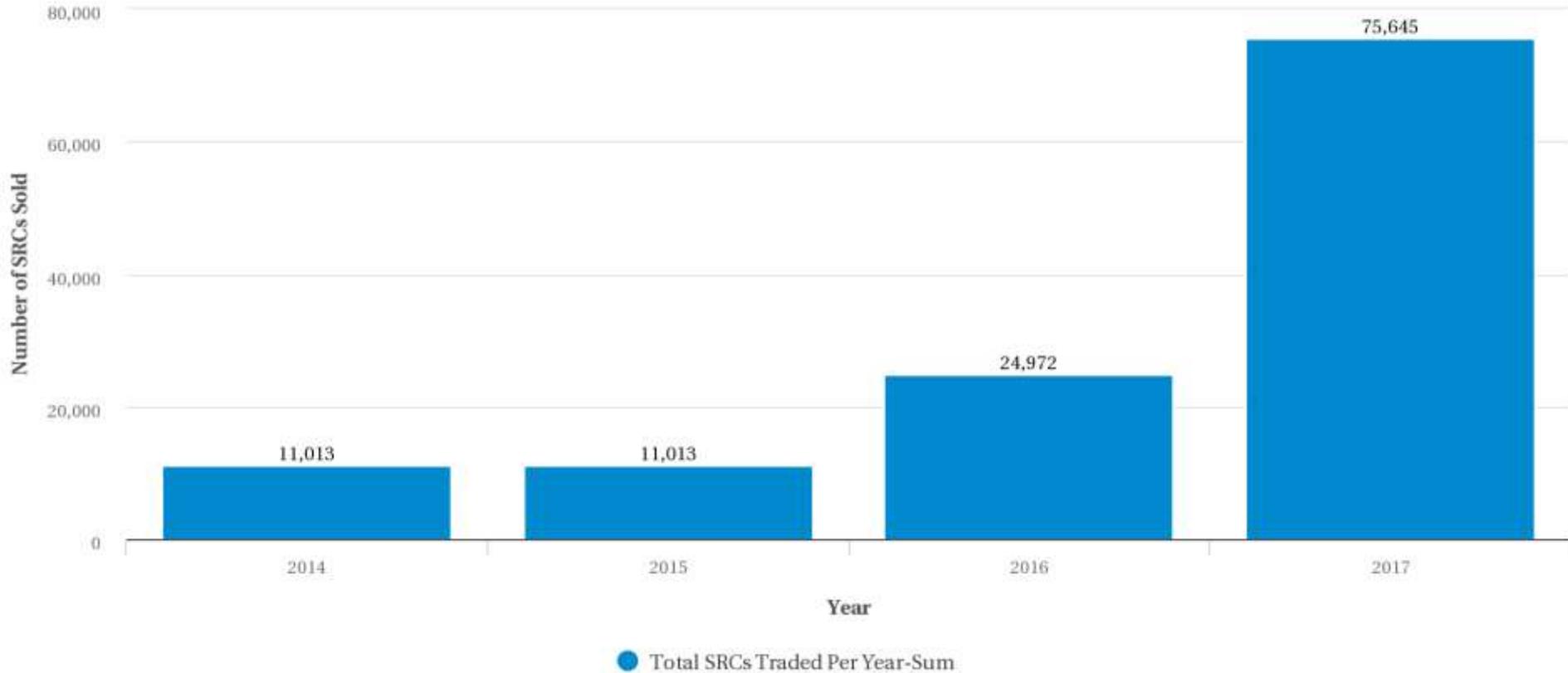
- 23 trades overall
- 122,643 SRCs purchased
- \$248,627 in sales
- 13 trades YTD at average \$2.07/SRC

## ➤ Demand

- Approximately 11% of regulated sites (51 projects) have opted to meet some of their retention obligation off-site
- 336,600 gallons of Offv
- 23 projects have completed construction (or within 4 weeks)
  - 16 are purchasing SRCs (73,298 SRC/year)
  - 5 are generating their own SRCs (61,201 SRCs/year)
  - 2 are paying ILF (2002 gallons/year)
- Additional 200,099 gallons/year permitted or under construction

# SRC Market Data (11/17/2017)

SRCs Sold Each Year

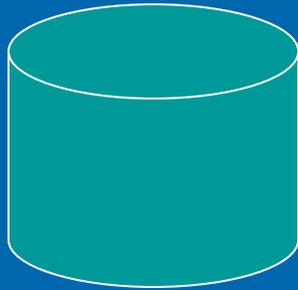


# Benefits of the SRC program to District Waterbodies

# Trading's Potential to Increase Retention

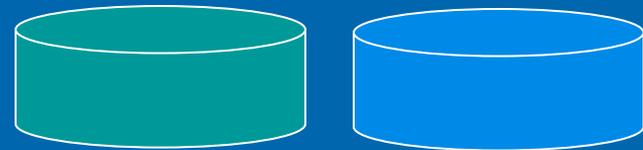
➤ Same retention for 1.2" storm:

Strict On-Site



10,000  
gallons

Trading

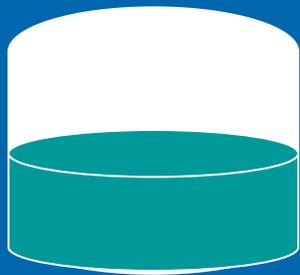


5,000 + 5,000 =  
10,000  
gallons

# Trading's Potential to Increase Retention

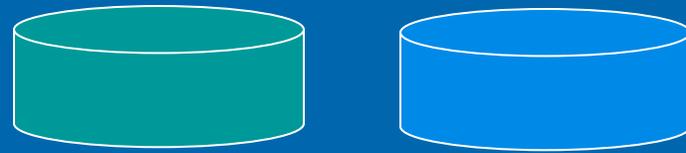
- Greater retention for storms smaller than 1.2"
- Example – 0.6" storm:

Strict On-Site



5,000 gallons

Trading

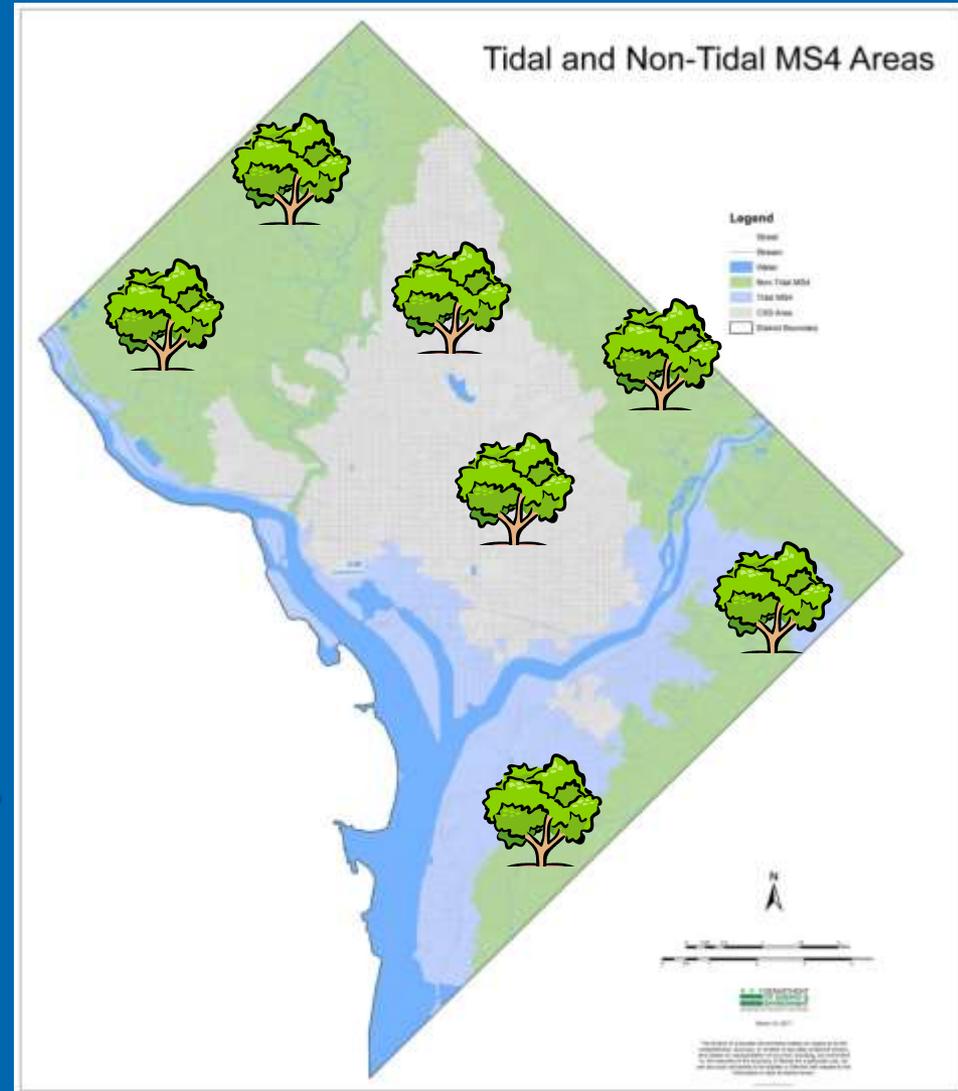


5,000 + 5,000 =  
10,000 gallons

- 90% of storms in Washington DC are less than 1.2".
- This scenario yields ~50% increase in annual retention.

# Benefits to District Waterbodies

- Increased annual retention District-wide.
- Increased capture of first-flush volume.
- Shift retention BMPs to most vulnerable tributaries and improve socioeconomic outcomes.



Break

# Financial Return Calculator

# SRC Financial Return Calculator

- Estimates the potential SRC eligibility and ROI
- Designed with many end-users in mind
  - Engineers
  - Aggregators
  - Property owners
- Allows user to have high-level or granular project information
- Uses assumptions to fill in missing or incomplete project data

# SRC Financial Return Calculator

- Example Project: SRCs at 1600 Pennsylvania Ave
  - Voluntary project participating in DOE's Price Lock Program
  - Large site with ample impervious area
    - 30,000 ft<sup>2</sup> project area
    - 24,000 ft<sup>2</sup> of impervious area in CDA
    - 3,000 ft<sup>2</sup> standard bioretention installation
  - ...change some inputs to view the outcomes

# Stormwater Database and SRC Registry

# Create a Stormwater Database Account

- Visit the database landing page at [doee.dc.gov/swdb](http://doee.dc.gov/swdb)
- Request an account (DOEE will approve request)
- Create log in credentials
- DOEE communications may be sent from [notify@quickbase.com](mailto:notify@quickbase.com)

# Submit a Stormwater Management Plan

## ➤ Required for projects that:

- Apply for certification of SRCs
- Apply to use SRCs to meet a SWRv
- Trigger stormwater retention requirements

## ➤ Entered during plan review process

- Attend General Compliance or Stormwater Database training for more information

## ➤ Not required for to:

- Buy and resell SRCs
- Buy and retire SRCs
- Apply for SRC Site Evaluation or SRC Aggregator Startup Grant
- Apply for SRC Price Lock Program (though you do need to provide preliminary green infrastructure design)



# STORMWATER DATABASE

Welcome

## Log In

Username/Email

Password

Log In

Need an account? [Click here](#) to register.

Need help? Click [here](#) for assistance.

Click [here](#) to view the SRC and Offv Registry.



## Register

To use DDOE's Stormwater Database, please fill out the form below. After you submit your information, DDOE will approve your account and notify you via email with login instructions. Please ensure that you enter the correct email address.

You will receive a confirmation email from notify@quickbase.com. If you do not receive login credentials within the next business day, please contact Matthew Espie at matthew.espie@dc.gov or (202)-715-7644.

Account is for business or organization

First Name \*

Last Name \*

Email \*

Phone \* ext.

Title

Organization

Include organization name in address

Address line 1 \*

Address line 2

City \* Washington

State \* DC

Zip code \*

Submit

Already registered? Click [here](#) to log in.

Need help? Click [here](#) for assistance.

Browser window showing an email from notify@quickbase.com. The email subject is "Stormwater Database Account Request Received". The sender is identified as "notify@quickbase.com" and the recipient is "to me". The email content includes the logo of the Department of Energy & Environment, which consists of three green stars above the text "DEPARTMENT OF ENERGY & ENVIRONMENT". The text of the email states: "The Department of Energy and Environment has received your request for a Stormwater Database account. If you do not receive an email with log in information within the next business day, please contact Matthew Espie at [matthew.espie@dc.gov](mailto:matthew.espie@dc.gov) or (202) 715-7655." A footer note reads: "This is an automatically generated email. Please do not respond to this message."



## Matthew Espie invites you to join Stormwater Database

Thank you for requesting access to the Department of Energy & Environment's Stormwater Database. Use the link at the bottom of this message to create your user ID and password. Once you complete your registration, you can return to the database at <http://doee.dc.gov/swdb>.

Do not share your username and password with others. These credentials allow you to submit plans to DOEE for review, to apply for certification of SRCs, to sign forms electronically, to authorize someone to act on your behalf, and take other actions. Your actions in the database could carry legal obligations for you including to maintain stormwater Best Management Practices (BMPs).

From the home screen, you can select different options:

- To submit a Stormwater Management Plan, Erosion and Sediment Control plan, or Green Area Ratio plan for review, start by clicking "Sites and plans" and "New Site."
- To confirm someone as your agent, click "Agents" and then click "Confirm" next to your agent's name.
- To view the SRC Registry, click "SRC Registry." To view the SRCs that you own, click "My SRC Dashboard."
- To apply to certify, transfer, use, or retire SRCs, click the application type and then click "New Application." To notify DOEE of an in-lieu fee payment, click "ILF Notification" and "New Notification."
- To apply for RiverSmart Rewards, click "My RiverSmart Rewards Dashboard" and "New Application."

You can also download the user manual for assistance or contact me at [matthew.espie@dc.gov](mailto:matthew.espie@dc.gov) or (202) 715-7644.

This is an automatically generated email. Please do not respond to this message.

[GO TO THIS APP IN QUICKBASE](#)



### Sign Up for QuickBase

All fields marked with an asterisk (\*) are required.

First name\*

Last name\*

Email address

Choose a password\*

Retype password\*

Password strength:

✔ Must be at least 8 characters

✔ Must include both numbers and letters

Please set up a security question in case you ever need to reset your password.

Question:\*

Answer:\*

Retype Answer:\*

✔ Security answers must match

Your answer is not case sensitive.

I have read and agree to the QuickBase [Terms of Service](#)

**Register**



# STORMWATER DATABASE

Welcome

[Log In](#)

Username/Email

Password

[Log In](#)

Need an account? Click [here](#) to register.  
Need help? Click [here](#) for assistance.  
Click [here](#) to view the SRC and Offv Registry.

# SRCs and ILF Forms

- SRC Aggregator Startup Grant Application
- SRC Site Evaluation Application
- SRC Price Lock Program Application
- Certify SRCs
- Transfer SRCs
- Intent to Sell SRCs (SRC Price Lock Program)
- Use SRCs
- ILF Notification
- Retire SRCs

# SRC Aggregator Startup Grant Application



# STORMWATER DATABASE

Welcome, Jane

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## Public User Homepage

Navigation buttons for the Public User Homepage:

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- [Agents](#)
- [SRC and Offv Registry](#)
- [My SRCs and Offv](#) (highlighted with a red box)
- [My RiverSmart Rewards](#)



[Use the old Stormwater Database design](#)



# STORMWATER DATABASE

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## My SRCs and Offv

**Certify SRCs**

Generate Stormwater Retention Credits (SRCs) for your voluntary green infrastructure practices.

**Use SRCs**

Comply with an Off-site Retention Volume (Offv) obligation by using Stormwater Retention Credits (SRCs)

**Transfer SRCs**

Trade your Stormwater Retention Credits (SRCs)

**Retire SRCs**

Retire your Stormwater Retention Credits (SRCs). Once retired, an SRC cannot be sold or used.

**ILF Notification**

Comply with an Off-site Retention Volume (Offv) obligation by paying in-lieu fee (ILF). Submit this form to accompany your payment.

**SRC Price Lock Program**

Lock in an SRC sale price with DOEE for your green infrastructure project in the MS4. [Learn more.](#)

**SRC Aggregator Startup Grants**

These grants support technical and outreach work to identify potential SRC-generating green infrastructure projects in the MS4 (typically across multiple sites). [Learn more.](#)

**SRC Site Evaluation**

Request an evaluation of potential SRC-generating green infrastructure projects on your property (you must have at least .5 acres available and be located within the MS4). [Learn more.](#)

- I maintain BMPs that generate these SRCs: (14) [Print](#) [Export](#)

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	Start serial number	End serial number	Number of SRCs	BMP ID number
✂	20211009-A13-77777-000001	20211009-A13-77777-012080	12,080	77777-1-1
✂	20221009-A13-77777-000001	20221009-A13-77777-010000	10,000	77777-1-1
✂	20231009-A13-77777-000001	20231009-A13-77777-012080	12,080	77777-1-1



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[SRC Aggregator Startup Grants](#)

[New Application](#)

- SRC Aggregator Startup Grant Applications (3) [Print](#) [Export](#)

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	Name	Signature Date and Time	Application Status
•	Jane Smith	9/15/2017 1:45 PM	
•	Jane Smith	9/15/2017 1:41 PM	
•	Jane Smith	11/9/2017 12:43 AM	Pending





# STORMWATER DATABASE

Welcome Jane  
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### Applicant

<b>Name</b>	<b>Email</b>	<b>Phone</b>
Jane Smith	jsm1234@gmail.com	(202) 555-5555
<b>Title</b>	<b>Organization</b>	
Manager	Test Company, LLC	
<b>Address</b>		
Jane Smith Test Company, LLC 123 Test Street NW Washington, DC 20000		

### Eligibility Requirements

Professional Engineer registered in the District of Columbia \*

Professional Engineer License Number \*

Has someone on the project team received DOEE approval for a SWMP for a separate project since December 2014? \*

Date of attendance at DOEE Training: Generation and Certification of Stormwater Retention Credits \*

Name of team member in attendance \*

### Required Attachments

- Narrative description of the proposed project that:
- Clearly defines the objectives and activities proposed.
  - Identifies the project partners and their roles in the project.
  - Explains the criteria and process for cost-effectively identifying GI sites. This may include:
    - Focusing on sites with similar ownership or land use characteristics (e.g. all sites are located at churches, universities, hospitals, schools, commercial areas, public right of way, etc.).
    - Utilizing properties owned by the same entity.
    - Focusing on a single or common watershed or neighborhood.
    - Focusing on sites suitable for implementation of a particular GI practice type (e.g. bioretention).
  - Explains how property owners will be contacted and included in the project.
  - Indicates a minimum number of sites or a minimum area for which an initial analysis will be conducted.
  - If applicable, indicates a minimum number of properties to which outreach will be conducted.
  - Indicates a minimum number of sites or a minimum area for which more in-depth technical analysis will be conducted and describes the analysis

mm-dd-yyyy

Required Attachments

Narrative description of the proposed project that:

- Clearly defines the objectives and activities proposed.
- Identifies the project partners and their roles in the project.
- Explains the criteria and process for cost-effectively identifying GI sites. This may include:
  - Focusing on sites with similar ownership or land use characteristics (e.g. all sites are located at churches, universities, hospitals, schools, commercial areas, public right of way, etc.).
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- Explains how property owners will be contacted and included in the project.
- Indicates a minimum number of sites or a minimum area for which an initial analysis will be conducted.
- If applicable, indicates a minimum number of properties to which outreach will be conducted.
- Indicates a minimum number of sites or a minimum area for which more in-depth technical analysis will be conducted and describes the analysis.

Browse...

Task list, with deliverables for each task, including at a minimum:

- Unless no outreach is proposed, a report on outreach conducted, including a list of properties and responses.
- Potential sites identified or selected for further analysis after each task.
- Results of analysis conducted for each site.
- Preliminary design information.

Browse...

Itemized Budget, including tasks, hours/rates, and team members.

Browse...

Letters of support from project partners.

Browse...

Project Schedule

Browse...

Signature

Signature \*

Submit



# Application Review

- Within two weeks, you will receive an email regarding a decision on your application
- Log back into the Stormwater Database in order to sign your SRC Aggregator Startup Grant Agreement



# STORMWATER DATABASE

Welcome Jane  
[Log Out](#)

Navigation + Program Directory + Support + Instructions +

## Grant Agreement

Award amount 75000

Designee signature Matthew Eppie Designee signature date 10-16-2017 02:46 PM

Designee signed electronically

Sign

Grant agreement signature Grant agreement signature date

Grant agreement signed electronically

Grant Agreement

## Applicant

Name	Email	Phone
Jane Smith	<a href="mailto:she.owenr1210@gmail.com">she.owenr1210@gmail.com</a>	(202) 555-5555

Title	Organization
Manager	Test Company, LLC

Address

Jane Smith  
Test Company, LLC  
123 Test Street NW  
Washington, DC 20000

## Eligibility Requirements

Professional Engineer registered in the District of Columbia  
test

Professional Engineer License Number

# SRC Site Evaluation Application



# STORMWATER DATABASE

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## Public User Homepage

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- [My RiverSmart Rewards](#)



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# STORMWATER DATABASE

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## My SRCs and Offv

**Certify SRCs**

Generate Stormwater Retention Credits (SRCs) for your voluntary green infrastructure practices.

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Trade your Stormwater Retention Credits (SRCs)

**Retire SRCs**

Retire your Stormwater Retention Credits (SRCs). Once retired, an SRC cannot be sold or used.

**ILF Notification**

Comply with an Off-site Retention Volume (Offv) obligation by paying in-lieu fee (ILF). Submit this form to accompany your payment.

**SRC Price Lock Program**

Lock in an SRC sale price with DOEE for your green infrastructure project in the MS4. [Learn more.](#)

**SRC Aggregator Startup Grants**

These grants support technical and outreach work to identify potential SRC-generating green infrastructure projects in the MS4 (typically across multiple sites). [Learn more.](#)

**SRC Site Evaluation**

Request an evaluation of potential SRC-generating green infrastructure projects on your property (you must have at least .5 acres available and be located within the MS4). [Learn more.](#)

- I maintain BMPs that generate these SRCs: (14) [Print](#) [Export](#)

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	Start serial number	End serial number	Number of SRCs	BMP ID number
✓ ●	20211009-A13-77777-000001	20211009-A13-77777-012080	12,080	77777-1-1
✓ ●	20221009-A13-77777-000001	20221009-A13-77777-010000	10,000	77777-1-1
✓ ●	20231009-A13-77777-000001	20231009-A13-77777-012080	12,080	77777-1-1



# STORMWATER DATABASE

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[SRC Site Evaluation](#)

[New Application](#)

- SRC Site Evaluation Applications (1) [Print](#) [Export](#)

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Name	Site - Street Address	Signature Date and Time	Status
Jane Smith	1100 50TH PLACE NE	9/15/2017 2:33 PM	





# STORMWATER DATABASE

Welcome Jane

[Log Out](#)

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## Applicant

<b>Name</b>	<b>Email</b>	<b>Phone</b>
Jane Smith	jane.smith1234@gmail.com	(202) 555-5555
<b>Title</b>	<b>Organization</b>	
Manager	Test Company, LLC	
<b>Address</b>		
Jane Smith Test Company, LLC 123 Test Street NW Washington, DC 20000		

## Site Information

GI Site Address \*

Make a Selection

Does the property currently contain a rain garden, rain barrel, permeable pavement, or other type of green infrastructure (GI) practice? If so, please describe the practice, including type and year constructed. \*

Please provide a short description of the property below, including current use and available space for GI practices. \*

Please describe any previous efforts undertaken or explored to install GI at your property. \*

Why are you interested in installing GI on your property? \*

Jane Smith  
Test Company, LLC  
123 Test Street NW  
Washington, DC 20000

### Site Information

GI Site Address \*

Does the property currently contain a rain garden, rain barrel, permeable pavement, or other type of green infrastructure (GI) practice? If so, please describe the practice, including type and year constructed. \*

Please provide a short description of the property below, including current use and available space for GI practices. \*

Please describe any previous efforts undertaken or explored to install GI at your property. \*

Why are you interested in installing GI on your property? \*

Have you identified or secured funding that could be used to retrofit your property with GI after receiving the results of the retrofit findings report? \*

How did you hear about this program? \*

### Signature

Signature \*

Submit

# Application Review

- Within two weeks, you will receive an email regarding a decision on your application
- The Center for Watershed Protection will contact you to schedule the site evaluation

# SRC Price Lock Program Application



# STORMWATER DATABASE

Welcome, Jane

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## Public User Homepage

Navigation buttons for the Public User Homepage:

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# STORMWATER DATABASE

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## My SRCs and Offv

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**SRC Site Evaluation**

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- I maintain BMPs that generate these SRCs: (14) [Print](#) [Export](#)

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	Start serial number	End serial number	Number of SRCs	BMP ID number
🗑️	20211009-A13-77777-000001	20211009-A13-77777-012080	12,080	77777-1-1
🗑️	20221009-A13-77777-000001	20221009-A13-77777-010000	10,000	77777-1-1
🗑️	20231009-A13-77777-000001	20231009-A13-77777-012080	12,080	77777-1-1



# STORMWATER DATABASE

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## [SRC Price Lock Program](#)

[New SRC Price Lock Program Application](#) [Intent to Sell](#)

+ SRC Price Lock Program Applications (11) [Print](#) [Export](#)

+ Intent To Sell Forms (10) [Print](#) [Export](#)





# STORMWATER DATABASE

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## [New SRC Price Lock Program Application](#)



Start by entering a site into the Stormwater Database, if it isn't already listed below

- Submit SRC Price Lock Program Application for one of these Sites - (43) [Print](#) [Export](#)

[Prev](#) [1](#) [Next](#)

Street Address	New SRC Price Lock Program Application
FAKE FAKE LANE SW	<a href="#">New SRC Price Lock Program Application</a>
FAKE FAKE LANE NE	<a href="#">New SRC Price Lock Program Application</a>
FAKE FAKE ALLEY SE	<a href="#">New SRC Price Lock Program Application</a>
6825 LAUREL STREET NW	<a href="#">New SRC Price Lock Program Application</a>
4422 ORD STREET NE	<a href="#">New SRC Price Lock Program Application</a>
420121 MINNESOTA AVENUE NE	<a href="#">New SRC Price Lock Program Application</a>
42011111 MINNESOTA AVENUE NE	<a href="#">New SRC Price Lock Program Application</a>
2 FAKE FAKE FAKE STREET NE	<a href="#">New SRC Price Lock Program Application</a>



# STORMWATER DATABASE

Welcome, Project

[Log Out](#)

Navigation Program Directory Support

Save

### You are entering a new site into the Stormwater Database. Please follow these steps:

1. If the site does not have a street address, please change the "Address Format" to Block, Intersection, or Nearest Address. Then, skip to step 3.
2. If the site has a street address, enter the address into the field "Input Address" and then click "Get Address Details." Wait 10 seconds to allow the Stormwater Database to check the Master Address Repository for site information and fill out the form.
3. If the site is a block or intersection, or if the MAR could not find the site, complete the rest of the information in the "Site Information" section of the form.
4. Select the site owner or manager from the dropdown menu. If you do not see the name of the owner or manager, leave this blank. You must request to be an agent for the site owner or manager prior to submitting the plan for review.
5. Complete the "Location" section of the form with any known information. You may use the buttons in the "Location" section to look up SSL, sewershed, watershed, etc.
6. Click "Save"

[View printer-friendly version](#)

## SITE INFORMATION

For sites undergoing a regulated activity, enter the address on the building permit application.

Address Format \*

Address

Input Address

1200 First Stree NE

Get Address Details

Address number \*

Street name \*

Street type \*

Quadrant \*

X Find:  Previous Next Options ▾

For sites undergoing a regulated activity, enter the address on the building permit application.

Address Format \*

Address ▾

Input Address

1200 First Stree NE

[Get Address Details](#)

Address number \*

1200

Street name \*

1ST

Street type \*

Street ▾

Quadrant \*

NE ▾

▾ SITE OWNER

Site Owner/Manager

Make a Selection... ▾

▾ LOCATION

[Find Storm Sewer System](#)

[Find coordinates, square, suffix, and lot](#)

[Find Major and Minor Drainage Areas](#)

[Find assessed value](#)

[Find zone](#)

[Find Soil Type](#)

[Flood Zone Determination Tool](#)

**X** coordinate

399448.73

**Y** coordinate

137581.05

Storm sewer system \*

CSS ▾

Major drainage area \*

Anacostia ▾

Minor drainage area \*

-Not Known- ▾

Ward

6 ▾

Soil type

Ub

Assessed building value

158739100

Square

0672

Suffix

Lot

0856

Zone \*

C-3-C ▾

Is the site within a Special Flood Hazard Area (SFHA)? \*

No ▾

[Edit This Record](#)

[View printer-friendly version](#)

NEXT STEP

Thank you for entering Site information into the Stormwater Database. **You have not yet completed your SRC Price Lock Program Application.** Click "SRC Price Lock Program Application" below to complete and submit your application.

[SRC Price Lock Program Application](#)

PLANS AFFILIATED WITH THIS SITE

[Enter a new plan for this site](#)

Plan number	Building permit number	Stage in Plan Review Process	Is the plan a Stormwater Management Plan?	Is the plan a Soil Erosion and Sediment Control Plan?	Is the plan a Green Area Ratio plan?	Reviewer Name	GAR Reviewer Name
-------------	------------------------	------------------------------	---	---	--------------------------------------	---------------	-------------------

No plans found

BMP ID number	BMP Name	BMP Type and Subtype	Retention volume achieved (cubic feet)	Additional treatment volume (cubic feet)	Vehicular access volume addressed?	Downstream BMP ID Numbers	Total Post project vehicular access area
---------------	----------	----------------------	--	--	------------------------------------	---------------------------	--

No BMPs found



# STORMWATER DATABASE

Welcome Jane

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## Site Location and Contacts

Name	Email	Phone
Jane Smith	site.owner1200@gmail.com	(202) 555-5555

**Address**  
 Jane Smith  
 Test Company, LLC  
 123 Test Street NW  
 Washington, DC 20000

Property Address (on which GI will be located) \*

Site owner name	Site owner email	Site owner phone
Site owner name	site.owner1200@gmail.com	(123) 456-7890

## Project Information

Current Project Status \*

Save





# STORMWATER DATABASE

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[Save & close](#) [Return](#)

## Eligibility Requirements

Name of Professional Engineer who will seal Stormwater Management Plan (SWMP) \*

Professional Engineer License Number \*

Has someone on the project team received DOEE approval for a SWMP for a separate project since December 2014? \*

Date of attendance at DOEE Training: Generation and Certification of Stormwater Retention Credits \*

Name of team member in attendance \*

[Save](#)





# STORMWATER DATABASE

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## Eligibility Requirements

**Name of Professional Engineer who will seal Stormwater Management Plan (SWMP)**  
asd

**Professional Engineer License Number**  
asd

**Has someone on the project team received DOEE approval for a SWMP for a separate project since December 2014?**  
Yes

**SWMP number of an approved Stormwater Management Plan completed by a team member**  
123

Date of attendance at DOEE Training: Generation and Certification of Stormwater Retention Credits	Name of team member in attendance
11-22-2017	asd

[Next Step](#)



# Enter preliminary design, attach documents

- You will need to provide initial information about the Site Drainage Areas and BMPs that are proposed for the project. This information is used to estimate the SRC eligibility of the project.
- The project engineer should be able to provide this information
- The format of entry in the Stormwater Database is similar to that of SWMPs and will form the basis of your subsequent SWMP submittal



# STORMWATER DATABASE

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## Drainage Areas and BMPs

Provide information about each Site Drainage Area (SDA) and GI practice (also called a BMP) that will be proposed as part of this project. This information is used to estimate the SRC eligibility for the project.

Multiple GI practices may be within the same SDA.

[Add Drainage Area](#)

Site Drainage Area ID	Total area	Add BMP
No site drainage areas found		

BMP ID number	BMP Group	Total contributing drainage area	Retention volume achieved (cubic feet)
No BMPs found			

Estimated SRC Eligibility 0



# STORMWATER DATABASE

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## LAND COVER

	Total (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP Land Cover
Post project	0	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Pre project	0	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

[Save & close](#)





# STORMWATER DATABASE

Welcome Jane  
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[Save & close](#) [Return](#)

## LAND COVER

	Total (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP Land Cover
Post project	10,800	<input type="text"/>	<input type="text"/>	9300	1500
Pre project	10,800	<input type="text"/>	<input type="text"/>	15000	<input type="text"/>

[Save & close](#)





# STORMWATER DATABASE

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[Edit This Record](#) —Return

## Drainage Areas and BMPs

Provide information about each Site Drainage Area (SDA) and GI practice (also called a BMP) that will be proposed as part of this project. This information is used to estimate the SRC eligibility for the project.

Multiple GI practices may be within the same SDA.

[Add Drainage Area](#)

Full Report			More >	1 Site Drainage Area
Site Drainage Area ID	Total area	Add BMP		
5515-1	10,000	<a href="#">Add BMP to this Site Drainage Area</a>		
TOT	10,000			

BMP ID number	BMP Group	Total contributing drainage area	Retention volume achieved (cubic feet)
No BMPs found			

Estimated SRC Eligibility 0

Save & close [Return](#)

[View printer-friendly version](#)

GENERAL BMP INFORMATION

BMP number: 1 BMP ID number: 5616-1-1

Installation Date:

BMP Group: Make a Selection... BMP type: Make a Selection... BMP sub-type:

BMP Name:

Did DOEE help pay for this BMP? No

CONTRIBUTING DRAINAGE AREA

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover
Post project	0				
Pre project	0				

BMP RETENTION AND TREATMENT ACHIEVED

Maximum volume received by BMP (cubic feet): 0 Retention volume achieved (cubic feet): 0 Potential retention volume remaining (cubic feet): 0 Additional treatment volume (cubic feet): 0.00

Save & close

Save & close -- Return

[View printer-friendly version](#)

GENERAL BMP INFORMATION

BMP number: 1  
BMP ID number: 5616-1-1

Installation Date:

BMP Group: Bioretention  
BMP type: Engineered tree pits - Enhanced  
BMP sub-type: Enhanced

BMP Name:

Did DOEE help pay for this BMP?: No

CONTRIBUTING DRAINAGE AREA

In this section, indicate the area that contributes directly to this BMP. Do not include area that contributes first to an upstream BMP.

	Total area (square feet)	Natural land cover	Compacted land cover	Impervious land cover	BMP land cover
Post project	10,000			9000	1000
Pre project	10,000			10000	

BMP RETENTION AND TREATMENT ACHIEVED

Enhanced practice with an underdrain

BMP storage volume (cubic feet): 1200

Maximum volume received by BMP (cubic feet): 1346  
Retention volume achieved (cubic feet): 1200  
Potential retention volume remaining (cubic feet): 146  
Additional treatment volume (cubic feet): 0.00

Save & close



# STORMWATER DATABASE

Welcome Jane  
[Log Out](#)

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[Edit This Record](#) [Return](#)

## Drainage Areas and BMPs

Provide information about each Site Drainage Area (SDA) and GI practice (also called a BMP) that will be proposed as part of this project. This information is used to estimate the SRC eligibility for the project.

Multiple GI practices may be within the same SDA.

[Add Drainage Area](#)

Full Report : More - 1 Site Drainage Area		
Site Drainage Area ID	Total area	Add BMP
5515-1	10,000	<a href="#">Add BMP to this Site Drainage Area</a>
TOT	10,000	

Full Report : More - 1 BMP			
BMP ID number	BMP Group	Total contributing drainage area	Retention volume achieved (cubic feet)
5515-1-1	Bioretention	10,000	1200
TOT		10,000	1200

[Next Step](#)

Estimated SRC Eligibility 8976



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[Save & close](#) [--Return](#)

### Required Attachments

- Narrative description of the proposed GI practice(s), including:
  - Description of the proposed drainage area
  - Inlet and outlet points
  - Preliminary sizing (i.e. length, width, and depth)
  - Potential impediments or constraints, such as utility locations, infiltration rate, permit requirements, etc.\* [Browse...](#)
- Letter of support from Property Owner, describing arrangements between property owner and SRC Seller.\*  
 [Browse...](#)
- Map or aerial photo indicating proposed GI practice location(s) and proposed contributing drainage area(s) \*  
 [Browse...](#)
- Plan view sketch of the proposed GI practice(s), including inlet, outlet, and underdrain location, if applicable. \*  
 [Browse...](#)
- Cross section(s) of proposed GI practice(s) \*  
 [Browse...](#)
- Preliminary volume calculations, including:
  - Design equations, including storage volume using equations in Chapter 3 of the Guidebook. \* [Browse...](#)
- Infiltration testing results, or preliminary estimates based on USDA soil maps\*  
 [Browse...](#)
- Itemized cost estimate \*  
 [Browse...](#)

[Save](#)

Letter of support from Property Owner, describing arrangements between property owner and SRC Seller.\*  
[DDOE-LOGO-FINAL-HORIZONTAL-W-GOV.jpg](#)   Delete this file

Map or aerial photo indicating proposed GI practice location(s) and proposed contributing drainage area(s) \*  
[DDOE-LOGO-FINAL-HORIZONTAL-W-GOV.jpg](#)   Delete this file

Plan view sketch of the proposed GI practice(s), including inlet, outlet, and underdrain location, if applicable. \*  
[DDOE-LOGO-FINAL-HORIZONTAL-W-GOV.jpg](#)   Delete this file

Cross section(s) of proposed GI practice(s) \*  
[DDOE-LOGO-FINAL-HORIZONTAL-W-GOV.jpg](#)   Delete this file

Preliminary volume calculations, including:  
- Design equations, including storage volume using equations in Chapter 3 of the Guidebook. \*  
[DDOE-LOGO-FINAL-HORIZONTAL-W-GOV.jpg](#)   Delete this file

Infiltration testing results, or preliminary estimates based on USDA soil maps\*  
[DDOE-LOGO-FINAL-HORIZONTAL-W-GOV.jpg](#)   Delete this file

Itemized cost estimate \*  
[DDOE-LOGO-FINAL-HORIZONTAL-W-GOV.jpg](#)   Delete this file

Application Signature

Application Signature Name \*

# Application Review

- Within four weeks, you will receive an email regarding a decision on your application
- Log back into the Stormwater Database in order to sign your SRC Purchase Agreement

Certify SRCs



# STORMWATER DATABASE

Welcome, Jane

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## My SRCs and Offv

- [Certify SRCs](#)
- [Use SRCs](#)
- [Transfer SRCs](#)
- [Retire SRCs](#)

[ILF Notification](#)

- I maintain BMPs that generate these SRCs (0)

*No Records Found*

- SRCs I've Sold (0)

*No Records Found*

- SRCs I've Bought (0)

*No Records Found*

- SRCs Currently Owned (0)

### ACRONYMS AND DEFINITIONS

[Definitions from the 2013 SWMG](#)

<b>BMP</b> Best Management Practice	<b>MS4</b> Municipal Separate Storm Sewer System	<b>CSS</b> Combined Sewer System
<b>SRC</b> Stormwater Retention Credit	<b>DDOE</b> District Department of the Environment	<b>SWMP</b> Stormwater Management Plan

### GENERAL INFORMATION

Application Date	09-24-2015	<b>SWMP number *</b>	4732
What is the period for which SRCs are requested? *	3 years	Should DDOE list these SRCs and a name and contact information in DDOE's SRC registry? *	Yes
What is the asking price for each SRC? (\$)*	1	Who should be listed?*	Proposed SRC Owner
What type of activity is Site undergoing?			
Maintenance contract	<input type="text"/> <input type="button" value="Browse..."/>		

### SITE WITH ELIGIBLE RETENTION CAPACITY

Address 1000 1ST Street NE  
Square 0674  
Suffix  
Lot 0854  
CSS? Yes  
Ward 6

### PROPOSED SRC OWNER

Contact information has been updated

**Name \*** Jane Smith - Test Company, LLC

Organization Test Company, LLC

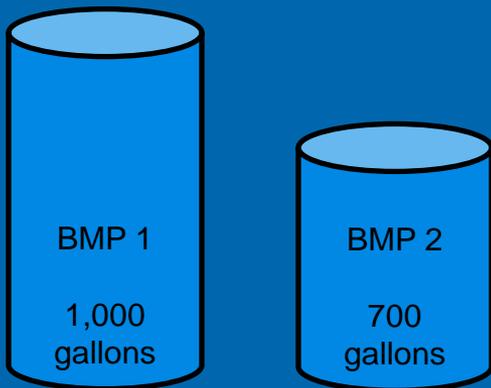
Address Jane Smith  
Test Company, LLC  
123 Test Street NW  
Washington, DC 20000

Email site.owner1200@gmail.com

Phone (202) 555-5555

# SRC Eligibility Example

- Site has a SWRv of 1,200 gallons
- 2 BMPs retain a total of 1,700 gallons
- SRC eligibility = 500 gallons
- Which BMP(s) should generate SRCs?



BMP 1	BMP 2
0	500
1	499
2	498
...	...
498	2
499	1
500	0



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1 BMP		Maximum SRC eligibility for this BMP is greater than '0' AND ...	
BMP title	Maximum SRC eligibility for this BMP	Use this BMP to generate SRCs for this Application	
4732-1-1 Intensive green roof	997	<input type="button" value="Use this BMP to generate SRCs"/>	



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# STORMWATER DATABASE

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BMP ID number [4732-1-1](#)

Maximum SRC eligibility for this BMP 997

Unallocated SRC eligibility 997

Number of SRCs this BMP should generate



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123 Test Street NW  
Washington, DC 20000

Email [site\\_owner1200@gmail.com](mailto:site_owner1200@gmail.com)

Phone (202) 555-5555

Show agent information

### SITE OWNER

Name

Address

Email

Phone

### OWNER OF RETENTION CAPACITY

Name

Address

Email

Phone

### PROPOSED SRC OWNER SIGNATURE

Proposed SRC owner: I hereby certify that I have the legal right to the SRCs proposed for certification above; that the application, including supporting documentation, is complete and correct to the best of my knowledge; that access will be provided for DDOE inspections; that the retention capacity will be maintained in accordance with the maintenance plan for the period for which SRCs are requested; that, if the retention capacity is not maintained, I will, for the volume from the period of failed maintenance, forfeit the SRCs, purchase replacement SRCs, or pay in-lieu fee to DDOE; and that, if during the period of time for which an SRC is certified, the property is sold or otherwise transferred to another person, the owner of the property on which the BMP or land cover is located will notify DDOE.

Signature

Date

Submit application



# STORMWATER DATABASE

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Proposed SRC owner: I hereby certify that I have the legal right to the SRCs proposed for certification above; that the application, including supporting documentation, is complete and correct to the best of my knowledge; that access will be provided for DDOE inspections; that the retention capacity will be maintained in accordance with the maintenance plan for the period for which SRCs are requested; that, if the retention capacity is not maintained, I will, for the volume from the period of failed maintenance, forfeit the SRCs, purchase replacement SRCs, or pay in-lieu fee to DDOE; and that, if during the period of time for which an SRC is certified, the property is sold or otherwise transferred to another person, the owner of the property on which the BMP or land cover is located will notify DDOE.

Signature \*

Signature date 09-24-2015

signature time 4:42 pm

Submit application

Signed electronically

You are signing this form electronically. You will no longer be able to make changes to this application.



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**GOVERNMENT OF THE DISTRICT OF COLUMBIA**  
**District Department of the Environment**



April 29, 2014

Ann Benefield  
 4000 Cathedral Ave NW,  
 Washington, DC 20016

Dear Ann Benefield,

The District Department of the Environment (DDOE) has approved your Application for Certification of Stormwater Retention Credits (SRCs) and certifies 51,249 SRCs for the site with Stormwater Management Plan number 3365. Please see the additional information below.

Site and BMP Information			
Address	4000 Cathedral Ave NW Washington, DC 20016		
Total time period for which SRCs are certified	3 years		
Best Management Practices generating SRCs	BMP ID number	BMP type	Retention Volume Generating SRCs (gal)
	3365-1-1	Bioretention	8092
	3365-2-2	Bioretention	541
	3365-3-3	Bioretention	1591
	3365-4-4	Bioretention	6859
Year 1 serial numbers	20140307-P03-03365-000001 to 20140307-P03-03365-017083		
Year 2 serial numbers	20150307-P03-03365-000001 to 20150307-P03-03365-017083		
Year 3 serial numbers	20160307-P03-03365-000001 to 20160307-P03-03365-017083		

Your SRCs may now be transferred, sold, used, retired, or held into the future. If requested, DDOE listed these SRCs in the SRC Registry. After the certification period is complete, you may reapply for SRC certification from the BMPs that generate these SRCs.

Thank you,

Brian Van Wye  
 Branch Chief - Program Implementation  
 Stormwater Management Division

➤ Approval confirmation.

➤ SRC serial numbers.

# RiverSmart Rewards

- When you apply for SRC Certification, you will also be prompted to apply for RiverSmart Rewards
- SRC aggregators can submit RiverSmart Rewards applications on behalf of site owners (the discount is paid to site owners via the water bill)
- This is an easy way to receive an additional financial incentive for an SRC-generating project

# Transfer SRCs



# STORMWATER DATABASE

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## My SRCs and Offv

[Certify SRCs](#) [Use SRCs](#) [Transfer SRCs](#) [Retire SRCs](#)

[ILF Notification](#)

- I maintain BMPs that generate these SRCs (0)

*No Records Found*

- SRCs I've Sold (0)

*No Records Found*

- SRCs I've Bought (0)

*No Records Found*

- SRCs Currently Owned (0)

### GENERAL INFORMATION

Application Date: 09-24-2015  Date of Transfer if different from application date: mm-dd-yyyy 

### CURRENT SRC OWNER

Name \* Jane Smith - Test Company, LLC   
Organization Test Company, LLC  
Address Jane Smith  
Test Company, LLC  
123 Test Street NW  
Washington, DC 20000  
Email site.owner1200@gmail.com  
Phone (202) 555-5555

### NEW SRC OWNER

Name \* New owner name  
Organization  
Title  
Address line 1  
Address line 2  
City  
State   
Zipcode  
Email \* email@email.com  
Phone \* 2021234567  
Should DDOE list these SRCs and the name and contact information for the new owner or agent in DDOE's SRC registry? 

### SRCs

Select SRCs to Transfer



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2 Ranges		Current SRC Owner Record - Username is 'site.owner1200@gmail.com' AND ...		
Start serial number	End serial number	SRCs in range	Transfer SRCs from this range	
20141009-A10-66666-000001	20141009-A10-66666-010067	10,067	<a href="#">Transfer SRCs from this range</a>	
20151009-A10-66666-000001	20151009-A10-66666-010067	10,067	<a href="#">Transfer SRCs from this range</a>	



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Start serial number 20151009-A10-66666-000001

End serial number 20151009-A10-66666-010067

SRCs in range 10,067

Number of SRCs to transfer

Sales price per SRC

Include this SRC range on this Application to Transfer SRCs



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Title

Address line 1

Address line 2

City

State

Zipcode

Email

Phone

Should DDOE list these SRCs and the name and contact information for the new owner or agent in DDOE's SRC registry?

### SRCs

Select SRCs to Transfer

SRCs to transfer

Full Report   More ▾ 1 Range						
	Start serial number	End serial number	SRCs in range	Number of SRCs to transfer	Sales price per SRC	Transfer
 	20151009-A10-66666-000001	20151009-A10-66666-010067	10,067	10000	1.00	✓
TOT				10000		

### CURRENT OWNER SIGNATURE

I hereby certify that I am the owner of the above SRCs; that I request the ownership of these SRCs to be transferred as stated above; and that this application is complete and correct to the best of my knowledge.

Signature

Date

Submit

Intent to Sell SRCs (SRC Price  
Lock Program)



# STORMWATER DATABASE

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## Public User Homepage

Navigation buttons:

- [Sites and Plans](#)
- [BMPs](#)
- [Agents](#)
- [SRC and Offv Registry](#)
- [My SRCs and Offv](#) (highlighted with a red box)
- [My RiverSmart Rewards](#)



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# STORMWATER DATABASE

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## My SRCs and Offv

**Certify SRCs**

Generate Stormwater Retention Credits (SRCs) for your voluntary green infrastructure practices.

**Use SRCs**

Comply with an Off-site Retention Volume (Offv) obligation by using Stormwater Retention Credits (SRCs)

**Transfer SRCs**

Trade your Stormwater Retention Credits (SRCs)

**Retire SRCs**

Retire your Stormwater Retention Credits (SRCs). Once retired, an SRC cannot be sold or used.

**ILF Notification**

Comply with an Off-site Retention Volume (Offv) obligation by paying in-lieu fee (ILF). Submit this form to accompany your payment.

**SRC Price Lock Program**

Lock in an SRC sale price with DOEE for your green infrastructure project in the MS4. [Learn more.](#)

**SRC Aggregator Startup Grants**

These grants support technical and outreach work to identify potential SRC-generating green infrastructure projects in the MS4 (typically across multiple sites). [Learn more.](#)

**SRC Site Evaluation**

Request an evaluation of potential SRC-generating green infrastructure projects on your property (you must have at least .5 acres available and be located within the MS4). [Learn more.](#)

- I maintain BMPs that generate these SRCs: (14) [Print](#) [Export](#)

[Prev](#) [1](#) [Next](#)

	Start serial number	End serial number	Number of SRCs	BMP ID number
🗑️	20211009-A13-77777-000001	20211009-A13-77777-012080	12,080	77777-1-1
🗑️	20221009-A13-77777-000001	20221009-A13-77777-010000	10,000	77777-1-1
🗑️	20231009-A13-77777-000001	20231009-A13-77777-012080	12,080	77777-1-1



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## [SRC Price Lock Program](#)

New SRC Price Lock Program Application

Intent to Sell

+ SRC Price Lock Program Applications (11) [Print](#) [Export](#)

+ Intent To Sell Forms (10) [Print](#) [Export](#)





# STORMWATER DATABASE

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Save & close

## ACRONYMS AND DEFINITIONS

[Definitions from the 2013 SWMD](#)

DOEE Department of Energy and Environment SRC Stormwater Retention Credit

## GENERAL INFORMATION

Application Date 11-17-2017

## CURRENT SRC OWNER

Name \* Jane Smith - Test Company, LLC

Organization Test Company, LLC

Address Jane Smith  
Test Company, LLC  
123 Test Street NW  
Washington, DC 20000

Email sds.owmer1200@gmail.com

Phone (202) 555-5555

Save & close





# STORMWATER DATABASE

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[Edit This Record](#)

SRCS

Select SRCs to Transfer

Created today at 5:37 PM (EST). Owned by [Smith, Jane](#)





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[Edit This Record](#)

Full Report   Max = 1 Range			
Start serial number	End serial number	Number of SRCs	Add SRCs to list to Sell
20170915-A99-05736-005001	20170915-A99-05736-010544	5,544	<a href="#">Transfer SRCs from this range</a>





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Start serial number 20170915-A89-05736-005001

End serial number 20170915-A89-05736-010544

Number of SRCs 5,544

Number of SRCs to Sell

Additional SRCs that are eligible to be sold to Buyer will be sold via a second Intent to Sell submitted within the allotted twelve-month period.\*

Include this SRC range on this Intent to Sell





# STORMWATER DATABASE

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[Edit This Record](#)

## SRCs

Select SRCs to Transfer

Review, Sign, and Submit

Full Report	More	1 Range						
	Start serial number	End serial number	Number of SRCs	Number of SRCs to transfer	Purchase Program Price	Additional SRCs that are eligible to be sold to Buyer within the allotted twelve-month period.	Transfer	
	20170915-A99-05736-000001	20170915-A99-05736-010544	5,544	5544	\$1.00	Yes	<input checked="" type="checkbox"/>	
TOT				5644	\$1.00			

Created today at 5:37 PM (EST). Last updated by [Epcis, Matthew](#) today at 5:37 PM (EST). Owned by [Smith, Jane](#)



Organization: Test Company, LLC  
Address: Jane Smith, Test Company, LLC, 123 Test Street NW, Washington, DC 20020  
Email: jane.smith123@gmail.com  
Phone: (202) 555-5555

SRCs

Select SRCs to Transfer

Full Report	More	1 Range						
	Start serial number	End serial number	Number of SRCs	Number of SRCs to transfer	Purchase Program Price	Additional SRCs that are eligible to be sold to Buyer will be sold via a second Intent to Sell submitted within the allotted five-month period.	Transfer	
	20170915-A99-05736-005901	20170915-A99-05736-010544	5,544	5544	\$1.00	Yes		✓
TOT				5544	\$1.00			

CURRENT OWNER SIGNATURE

I hereby certify that I am the owner of the above SRCs, that I request the ownership of these SRCs to be transferred as stated above, and that this application is complete and correct to the best of my knowledge.

Sign and Submit Application

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Submit

Created today at 5:37 PM (EST). Last updated by Smith, Jane today at 5:39 PM (EST). Owned by Smith, Jane

# DOEE's Payment for your SRCs

- DOEE's grantee, the Center for Watershed Protection (CWP) will provide payment for SRC sold through the SRC Price Lock Program
- After DOEE receives proof of payment from CWP, DOEE will retire the SRCs

Use SRCs



# STORMWATER DATABASE

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## My SRCs and Offv

[Certify SRCs](#) [Use SRCs](#) [Transfer SRCs](#) [Retire SRCs](#)

[ILF Notification](#)

- I maintain BMPs that generate these SRCs (0)

*No Records Found*

- SRCs I've Sold (0)

*No Records Found*

- SRCs I've Bought (0)

*No Records Found*

- SRCs Currently Owned (0)

### GENERAL INFORMATION

Application Date	09-24-2015	Plan number *	88888		
SWRv (gal)	58793	On-site retention volume achieved (gal)	32829	Offv	26475
Amount of Offv per year to be met with SRCs	10067	Amount of Offv per year to be met with ILF	16408	Number of years of Offv to meet with this application	1
Site Address	123 U Street SW	Is the entire site in the CSS?	No		
Square		Suffix		Lot	

### CURRENT SRC OWNER

Name \* Jane Smith - Test Company, LLC

Organization Test Company, LLC

Address Jane Smith  
Test Company, LLC  
123 Test Street NW  
Washington, DC 20000

Email site.owner1200@gmail.com

Phone (202) 555-5555

Show agent information

### SRCs TO USE

Applicants must submit a completed application at least four (4) weeks before the proposed usage date. The obligation to use off-site retention to achieve Offv begins on the date of successful completion of the final construction inspection. Offv will be met on an annual basis following the final construction inspection.

Final Construction Inspection Date 07-27-2015

Date to start meeting Offv with these SRCs 07-27-2015

Comments to DDOE

Select SRCs to use



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1 Range Current SRC Owner Record - Username is 'site.owner1200@gmail.com' AND ...				
	Start serial number	End serial number	SRCs in range	Use SRCs from this range
	20141009-A10-66666-000001	20141009-A10-66666-010067	10,067	<input type="button" value="Use SRCs from this range"/>



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# STORMWATER DATABASE

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Start serial number 20141009-A10-66666-000001

End serial number 20141009-A10-66666-010067

SRCs in range 10,067

Number of SRCs to use 10067

Include this SRC range on this Application to Use SRCs



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Final Construction Inspection Date

07-27-2015

Date to start meeting Offv with these SRCs

07-27-2015

Comments to DDOE

Select SRCs to use

Full Report	More	1 Range			
	Start serial number	End serial number	SRCs in range	Number of SRCs to use	Use
	20141009-A10-66666-000001	20141009-A10-66666-010067	10,067	10067	✓
<b>TOT</b>				<b>10067</b>	

### SIGNATURE

Site owner: I hereby certify that I am the owner of the regulated property and of the SRCs proposed for use herein and that this application is correct to the best of my knowledge.

Sign and submit application

Signature

Date

Submit



Use the old Stormwater Database design

# In-Lieu Fee Notification



# STORMWATER DATABASE

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## My SRCs and Offv

- [Certify SRCs](#)
- [Use SRCs](#)
- [Transfer SRCs](#)
- [Retire SRCs](#)

[ILF Notification](#)

- I maintain BMPs that generate these SRCs (0)

*No Records Found*

- SRCs I've Sold (0)

*No Records Found*

- SRCs I've Bought (0)

*No Records Found*

- SRCs Currently Owned (0)



### ACRONYMS AND DEFINITIONS

#### Definitions from the 2013 SWMG

<b>AWDZ</b>	Anacostia Waterfront Development Zone	<b>Offv</b>	Off-Site Retention Volume	<b>CSS</b>	Combined Sewer System
<b>SRC</b>	Stormwater Retention Credit	<b>DDOE</b>	District Department of the Environment	<b>SWMP</b>	Stormwater Management Plan
<b>ILF</b>	In-Lieu Fee	<b>SWRv</b>	Stormwater Retention Volume	<b>MS4</b>	Municipal Separate Storm Sewer System

### GENERAL INFORMATION

<b>Notification Date</b>	09-24-2015	<b>Plan number *</b>	88888
<b>SWRv (gal)</b>	58,793	<b>On-site retention volume achieved (gal)</b>	32,829
<b>Offv</b>	26,475	<b>Amount of Offv per year to be met with SRCs</b>	10067
<b>Amount of Offv per year to be met with ILF</b>	16408	<b>How many years of Offv will be met?</b>	1
<b>Site Address</b>	123 U Street SW	<b>Is the entire site in the CSS?</b>	No
<b>Square</b>		<b>Suffix</b>	
		<b>Lot</b>	

### SITE OWNER

**Name \*** Jane Smith - Test Company, LLC

**Organization** Test Company, LLC

**Address** Jane Smith  
Test Company, LLC  
123 Test Street NW  
Washington, DC 20000

**Email** site.owner1200@gmail.com

**Phone** (202) 555-5555

Show Agent Information

### PROPOSED ILF USE

Applicants must notify DDOE of their intent to use ILF and provide proof of ILF payment at least four (4) weeks before the proposed usage date. The obligation to use off-site retention to achieve Offv begins on the date of successful completion of the final construction inspection.

**Date to start meeting Offv** 07-27-2015

Administrative Late Fee

**In-Lieu Fee Rate** December 5, 2014

**In-Lieu Fee Rate** \$3.57

**Total payment owed** \$58,576.56

**Total payment received**

**Comments to DDOE**



CSS?   
Square  Suffix  Lot

### SITE OWNER

Name   
Organization   
Address   
  
  
  
Email   
Phone

Show Agent Information

### PROPOSED ILF USE

Applicants must notify DDOE of their intent to use ILF and provide proof of ILF payment at least four (4) weeks before the proposed usage date. The obligation to use off-site retention to achieve Offv begins on the date of successful completion of the final construction inspection.

Date to start meeting Offv

Administrative Late Fee

In-Lieu Fee Rate  Total payment owed  Total payment received

Comments to DDOE

### SIGNATURE

Site owner: I hereby certify that I am the owner of the regulated property and that this notification is correct to the best of my knowledge.

Signature  Date

Submit

Retire SRCs



# STORMWATER DATABASE

Welcome, Jane

[Log Out](#)

- Homepage
- Program Directory
- Support

## My SRCs and Offv

- Certify SRCs
- Use SRCs
- Transfer SRCs
- Retire SRCs**

ILF Notification

- I maintain BMPs that generate these SRCs (0)

*No Records Found*

- SRCs I've Sold (0)

*No Records Found*

- SRCs I've Bought (0)

*No Records Found*

- SRCs Currently Owned (0)



Save

ACRONYMS AND DEFINITIONS

[Definitions from the 2013 SWMG](#)

DDOE District Department of the Environment SRC Stormwater Retention Credit

GENERAL INFORMATION

Application Date 09-24-2015  Number of SRCs 0

CURRENT SRC OWNER

SRC Owner \* Jane Smith - Test Company, LLC 

Organization Test Company, LLC

Address Jane Smith  
Test Company, LLC  
123 Test Street NW  
Washington, DC 20000

Email site.owner1200@gmail.com

Phone (202) 555-5555

RETIRE SRCs IN HONOR OF SOMEONE

Name

Email

SRCs

Select SRCs to Retire

# SRC Registry



What are you looking for today?

## Department of Energy & Environment

- DOEE Home
- Environmental Services
- Energy in the District
- Resources
- Laws & Regulations
- About DOEE

### Environmental Services

Listen

SHARE

- See All Services A-Z
- Air Quality
- Environmental Education and Outreach
- Fisheries and Wildlife
- Lead-Safe and Healthy Homes
- Toxic Substances
- Water in the District
  - Anacostia River Monitoring
  - Chesapeake Bay Program
  - Flood Risk Management
  - Stormwater Management
  - Stormwater Retention Credit Trading Program
    - SRC Eligibility and Certification Process
    - Generate SRC on your Property
    - Start an SRC-Aggregating Business
    - Selling SRCs
    - DC's Stormwater Management Regulations
    - SRC Price Lock Program
    - SRC Aggregator Startup Grants

### Stormwater Retention Credit Trading Program

You can generate and sell Stormwater Retention Credits (SRCs) to earn revenue for projects that reduce harmful stormwater runoff by installing green infrastructure<sup>(1)</sup> (GI) or by removing impervious surfaces. You can sell your SRCs in an open market to properties that have regulatory requirements for managing stormwater.

DOEE offers many resources to help you get started on an SRC-generating project. You can generate SRCs on your property or you can start an SRC-aggregating business to generate SRC from multiple properties.

For more information about the SRC trading program, contact Matthew Espie at [src.trading@dc.gov](mailto:src.trading@dc.gov) or (202) 715-7544.

The following pages provide additional information on the SRC trading program:

- SRC and Off-Site Retention Volume (OSRV) Registry** - Find SRCs for sale, SRC sale prices, and more market data.
- SRC Price Lock Program - Lock in an SRC sale price with DOEE for your green infrastructure project in the MS4<sup>(2)</sup>.
- Aggregator Startup Grant Program - These grants support technical and outreach work to identify potential -generating green infrastructure projects in the MS4<sup>(2)</sup> (typically across multiple sites).
- Site Evaluation Program - Request an evaluation of potential -generating green infrastructure projects on your property (you must have at least .5 acres available and be located within the MS4<sup>(2)</sup>).
- SRC eligibility and certification process
- SRC program resources
- Training sessions
- Case Studies
- Press releases, SRCs in the news, and program reports

# Group Activity

# Additional Information

Matthew Espie  
Matthew.Espie@dc.gov  
202-715-7644

**For more information about the SRC Program, visit  
[doee.dc.gov/src](https://doee.dc.gov/src)**

**To access DOEE's Stormwater Database, visit  
[doee.dc.gov/swdb](https://doee.dc.gov/swdb)**

**For DOEE's stormwater management regulations and  
related information, visit  
[doee.dc.gov/swregs](https://doee.dc.gov/swregs)**