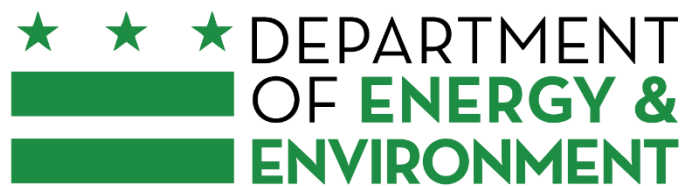




Green Stormwater Infrastructure Maintenance: Information Session

Jim Woodworth

GSI Maintenance Grant Manager
Watershed Protection Division



AGENDA

Introductions

Background on Watershed Protection Division & Green Stormwater Infrastructure

GSI Maintenance RFA

Background

Purpose

Overview

Application

Timeline

Project Outcomes, Outputs, Deliverables,
and Scoring Criteria

Questions & Answers



Introductions

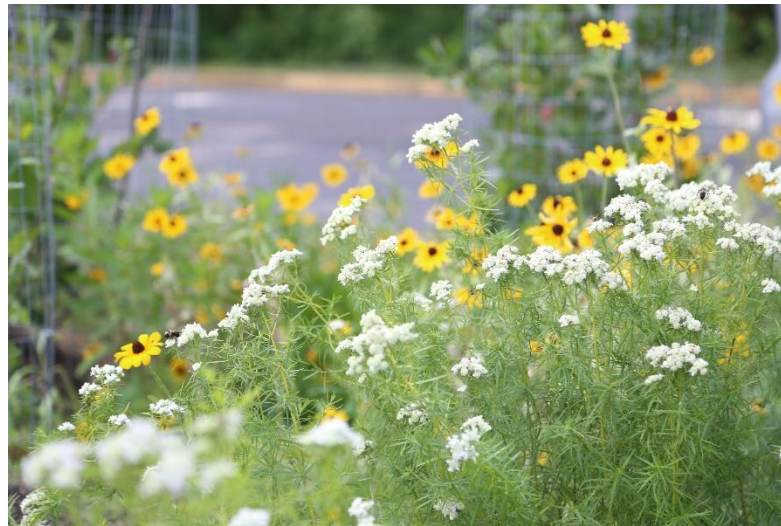
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HELLO my name is	HELLO my name is	HELLO my name is	HELLO my name is	HELLO my name is	HELLO my name is
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WPD and GSI Maintenance

Watershed Protection Division Mission To protect and restore the environmental health of the District's watersheds.

Green Stormwater Infrastructure Site-level practices to manage stormwater, distributed across the District. The majority are on public lands. Some voluntary measures funded by DOEE are on private or federal lands. AKA Low impact development (LID). Typical practices include above-ground landscaping techniques including rain gardens, bioretention, vegetated swales and channels, Bayscaping; and various types of rain-water harvesting practices, such as rain barrels, above and below grade cisterns.

Maintenance Routine, regular maintenance occurs on monthly, quarterly and as needed basis. Maintenance requirements can depend on season, location, weather, rainfall, size of contributing drainage area, age of practice, and other factors.



Photos from DOEE

WPD and GSI Maintenance

Examples of Maintenance

- Cleaning inlets of sediment, trash, debris, litter
- Managing vegetation; weeding; replacement planting; establishment watering
- Replacing or refreshing rip-rap, river rock, gravel
- Referring for major repair/reconstruction



Photos from DOEE

GSI Maintenance RFA

Overview

- RFA found on DOEE's website: <https://doee.dc.gov/node/1558006>
- **\$1.1 million** available for anticipated period of about 1 year from start date
- Can be extended for more years; depends on performance, funds, and need
- Competitive selection process
- Funding for work performed provided through reimbursement



Eligible to apply:

- Nonprofit organizations
- Faith-based organizations
- Private enterprises

GSI Maintenance RFA

Application Process

Compile all required documents listed in Section 3 of the RFA, including project description, work plan, and all forms/documents/certificates.

Each applicant must submit one electronic copy as a PDF file to:

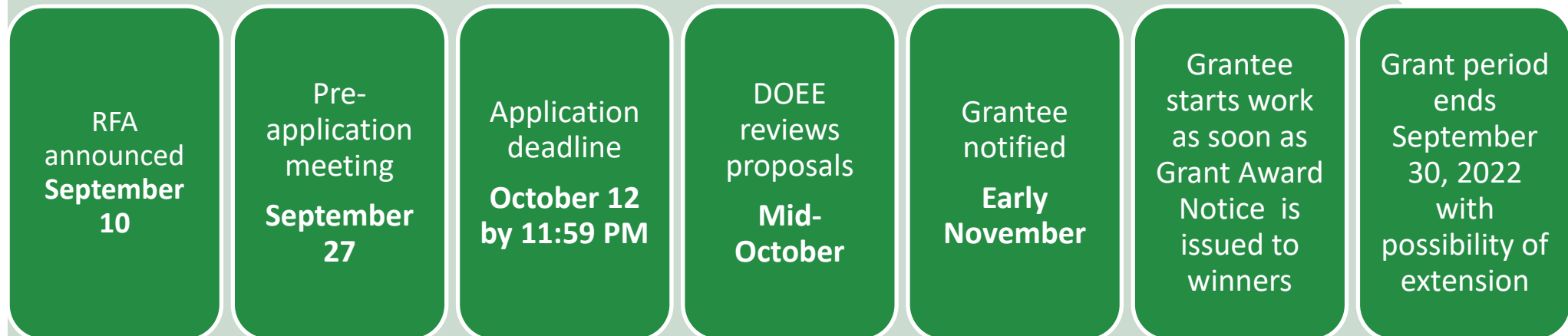
2021gsimaintenance@dc.gov

Deadline: Tuesday, October 12, 2021 at 11:59 PM

No late submissions will be considered!

GSI Maintenance RFA

Timeline



GSI Maintenance RFA

Purpose

This grant has two purposes: (1) Primarily, and substantially, provide excellent routine maintenance for the District's investment in up to 500 GSI located in public spaces; and (2) secondarily, create GSI maintenance "sustainable employment" opportunities for local District residents, including returning citizens. The grantee or grantees will work from the published map and database of GSI, and propose cost-effective and efficient approaches to achieve regular maintenance of selected, prioritized GSI and types of GSI. (See [GSI map](#).)

Stormwater runoff is a major contributor of pollution to the District's waterways and the Chesapeake Bay. Stormwater is generated during a wet weather event as precipitation runs off impermeable surfaces, such as roofs, sidewalks, and roadways. The high volumes and velocities of urban stormwater runoff erode local waterways, polluting and clogging rivers downstream. Roof surfaces, parking lots, and turfgrass are significant sources of stormwater pollution. GSI lessens the negative impact of stormwater runoff on the District's waterways.

RFA p. 4

@doee_dc 

GSI Maintenance RFA 101

The scope of the maintenance work is up to 500 GSI, almost all located on DC Government property, and almost all owned by DC Government. The types are principally: bioretention, rain gardens; and cisterns that are above and below ground.

The following types are presently **excluded** from this scope, i.e. from the “production plan” work and estimates: streams and green roofs. Specifically, DOEE is seeking a grantee that proposes efficient, cost-effective, and timely, approaches to routine GSI maintenance.

GSI Maintenance RFA 101

<https://dcdgis.maps.arcgis.com/apps/webappviewer/index.html?id=980045a3167947c3b9e3803c571ba667>

DEPARTMENT OF ENERGY & ENVIRONMENT
DOEE GI Maintenance Planning - Grantee DOEE Use Only for Planning Purposes

Find address or place

Filter

BMPs Assignments

BMP Type

BMP Type and Subtype is any of

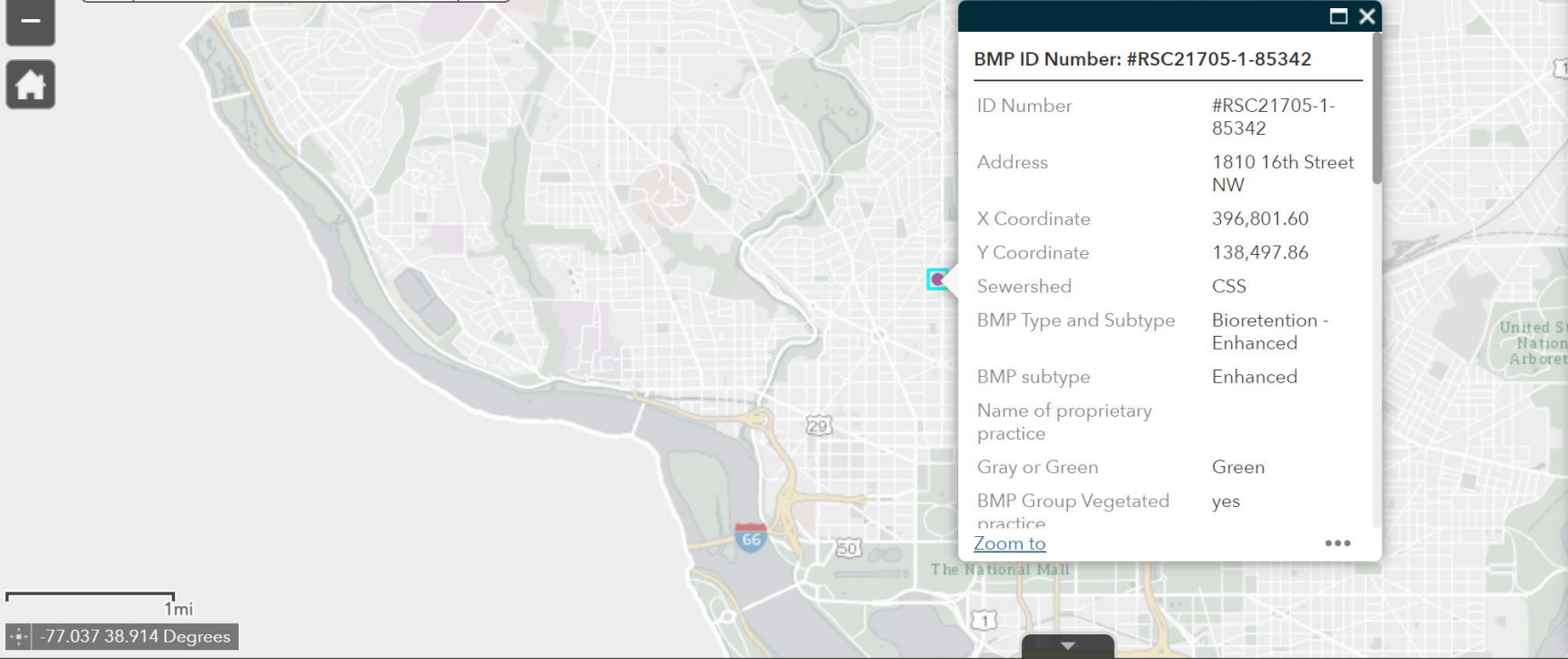
0 selected

Search

- BayScaping
- Bioretention
- Bioretention - Enhanced
- Bioretention - Enhanced with underdrain
- Bioretention - Standard
- Bioretention - Standard with underdrain
- cistern
- Cisterns
- cisterns (2)
- Concrete Removal/Revegetation

2mi
-77.068 38.923 Degrees

Find address or place



BMP ID Number: #RSC21705-1-85342

ID Number	#RSC21705-1-85342
Address	1810 16th Street NW
X Coordinate	396,801.60
Y Coordinate	138,497.86
Sewershed	CSS
BMP Type and Subtype	Bioretention - Enhanced
BMP subtype	Enhanced
Name of proprietary practice	
Gray or Green	Green
BMP Group Vegetated practice	yes

[Zoom to](#)

Filter

BMPs Assignments

BMP Type ON

BMP Type and Subtype is any of

1 selected

Search

- BayScaping
- Bioretention
- Bioretention - Enhanced
- Bioretention - Enhanced with underdrain
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- Bioretention - Standard with underdrain
- cistern
- Cisterns
- cisterns (2)
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BMPs Assignments

Options Filter by map extent Zoom to Clear selection Refresh

ID_Number	Address	X_Coordinate	Y_Coordinate	Sewershed	BMP_Type_and_S	BMP_sub_type	Name_of_propr	Gray_or_Green	BMP_Group_Ve	T	BMP		
#RSC21705-1-85342	1810 16th Street NW	396,801.60	138,497.86	CSS	Bioretention - Enhanced	Enhanced		Green	yes	2,724.00	251.00	335.70	335.7

1 features 0 selected

GSI Maintenance RFA

RFA p. 23-26

1

Production Plan

Provide a “production plan” showing how the applicant would accomplish the purposes of the grant. Present it for each of three years. The specifics of the plan should show the DOEE reader how the applicant will tie the who, what, where, when and how to the how-much of the grant.

2

Assess and set priorities

Set priorities among these aspects of the GSI:

- Type;
- Location;
- Date of most recent inspection;
- Date of most recent maintenance;
- Degree of impairment/non-functioning;
- Cost to complete;
- Materials required;
- Size of the job;
- Difficulty level;
- Staff availability;

3

Implementation

Provide the maintenance services as specified in the SMG for the appropriate GSI.

Conform maintenance activities to guidelines of DOEE’s latest edition, the 2020 [Stormwater Management Guidebook](#) (SMG) for the applicable practice type.



Important Considerations

Additional eligibility terms: The Application must address how at least one person on each maintenance crew will have been certified in GSI maintenance by one of this RFA's accepted organizations:

- [The Chesapeake Bay Landscape Professional \(CBLP\) program;](#)
- [National Green Infrastructure Certification Program \(NGICP\).](#)

See more
project
considerations
on p. 23-26 of
the RFA

Photo from DOEE



Important Resources

Additional eligibility terms: The Application must address how at least one person on each maintenance crew will have been certified in GSI maintenance by one of this RFA's accepted organizations:

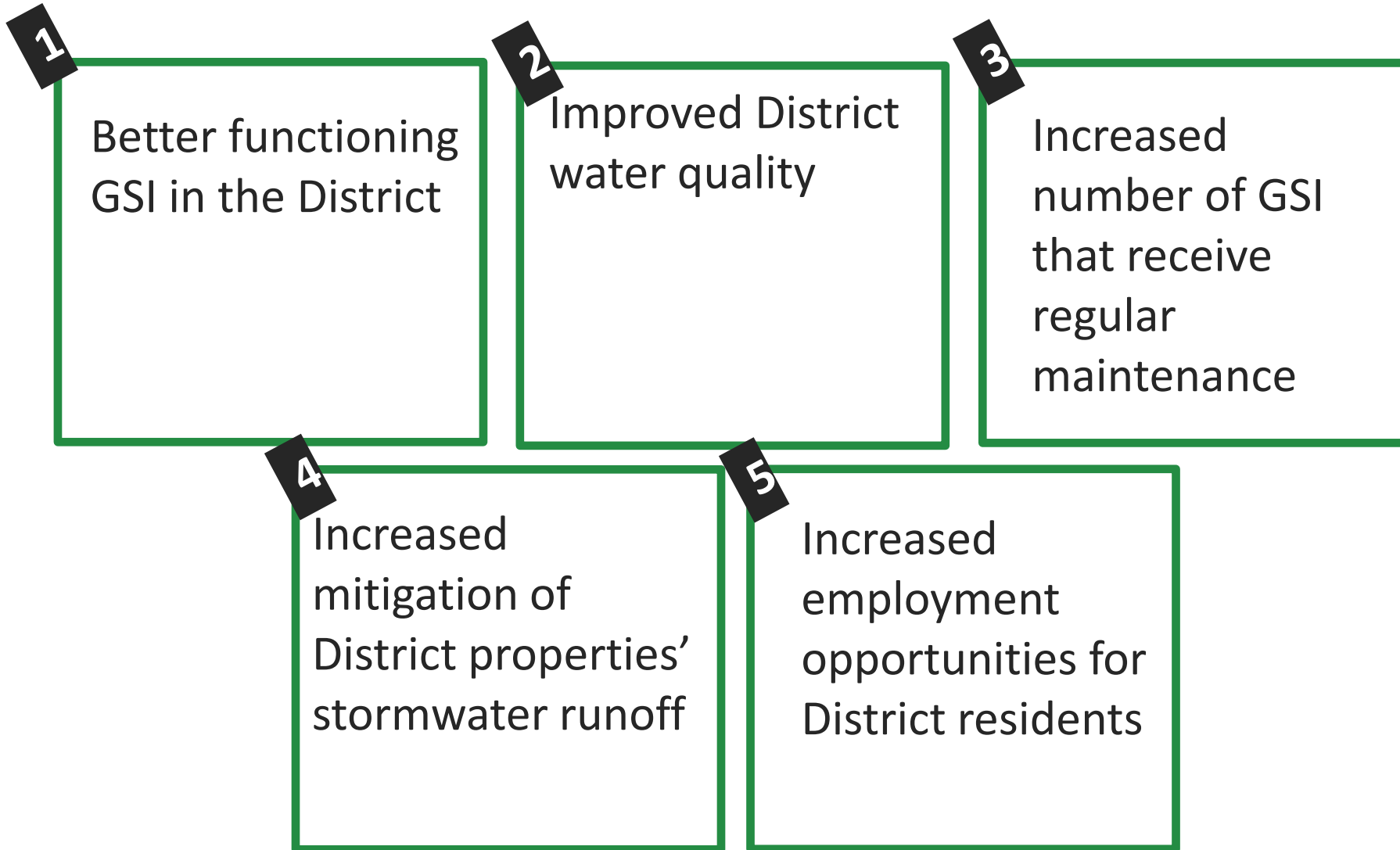
- [DOEE's latest edition, the 2020 Stormwater Management Guidebook \(SMG\) for the applicable practice type.](https://doee.dc.gov/swregs)
[\(https://doee.dc.gov/swregs\)](https://doee.dc.gov/swregs)
- Appendix 7 – Self-Inspection Self-Reporting Stormwater Management Facilities

See more project considerations on p. 23-26 of the RFA

Photo from DOEE



GSI Maintenance RFA



Project Outcomes

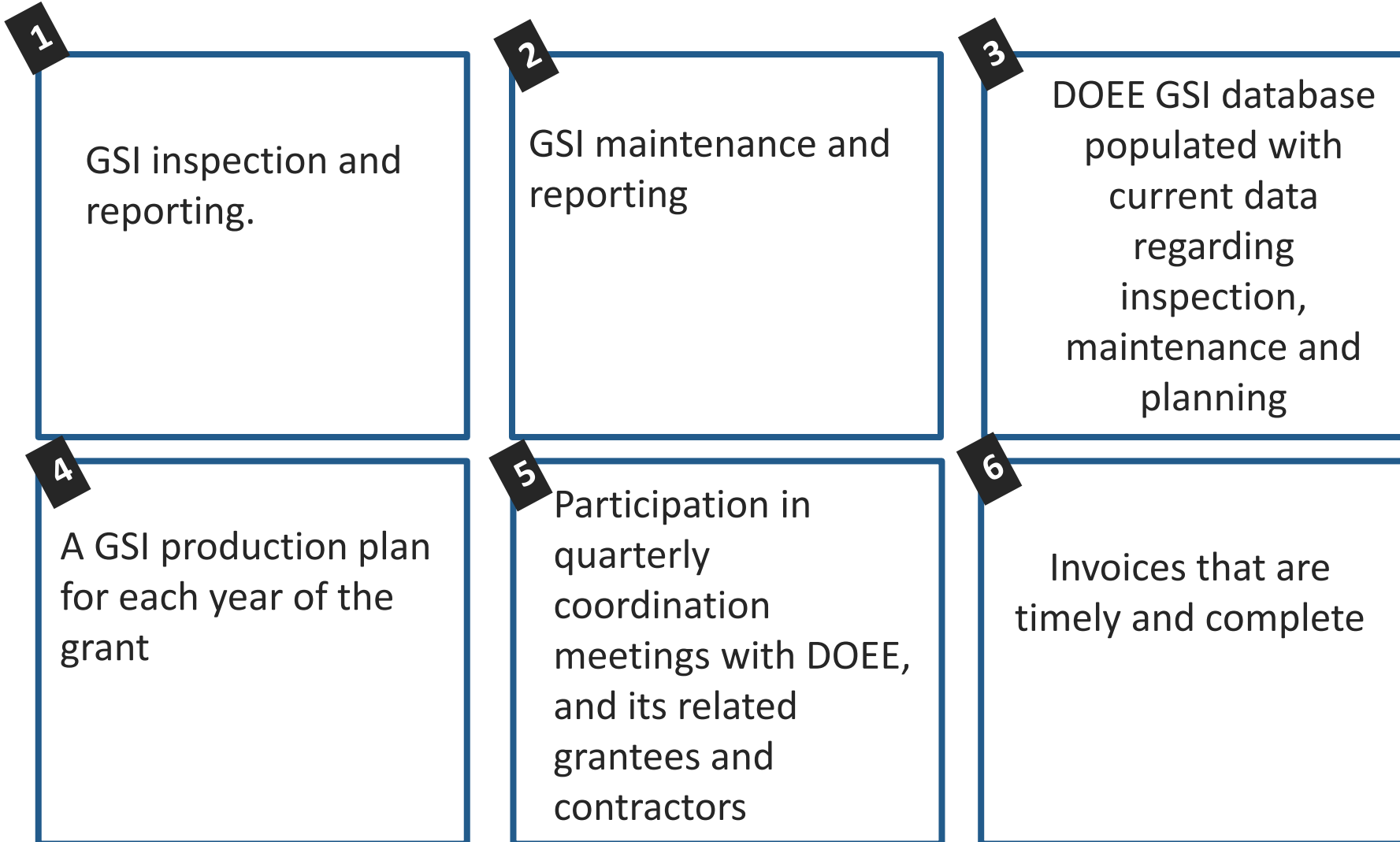
RFA p. 27

GSI Maintenance RFA

Project Outputs

- 1 At least 500 GSIs receive regular DOEE-approved maintenance
- 2 New GSI-related jobs created for the period of the grant
- 3 Timely GSI maintenance reporting and up-to-date database

GSI Maintenance RFA



Project Deliverables

RFA p. 27

* Will also include Quarterly and Final Reports to DOEE per the Grant Agreement.



GSI Maintenance RFA

	Scoring Criteria	Points
1	Provides a Production Plan that persuasively demonstrates that the applicant will cost effectively and timely implement the GSI maintenance purpose of the grant.	25
2	Presents extensive qualifications, meaning experience, training, and education, supporting the highest quality GSI maintenance work.	20
3	The applicant is likely to carry out the activities of the grant flexibly and creatively.	10
4	Shows extensive experience, training, and education, supporting the likelihood of success for the sustainable employment objectives for disadvantaged District residents.	10
5	Applicant's financial responsibility is fully demonstrated through its policies, procedures, and experience/track record.	10
6	Presents a detailed and comprehensive budget and budget narrative that constitute a sensible financial plan to accomplish the grant's stated purposes.	15
7	Record keeping is likely to be of excellent quality and timely delivered.	10
TOTAL		100



Thank You!

Questions?

2021gsimaintenance@dc.gov



Reminder!

Questions & Answers will continue to be posted to the Rfa webpage.