

Federal Facility Workgroup (FFWG)

# FY2018 Progress, Planned and Historical BMP Reporting

August 14, 2018

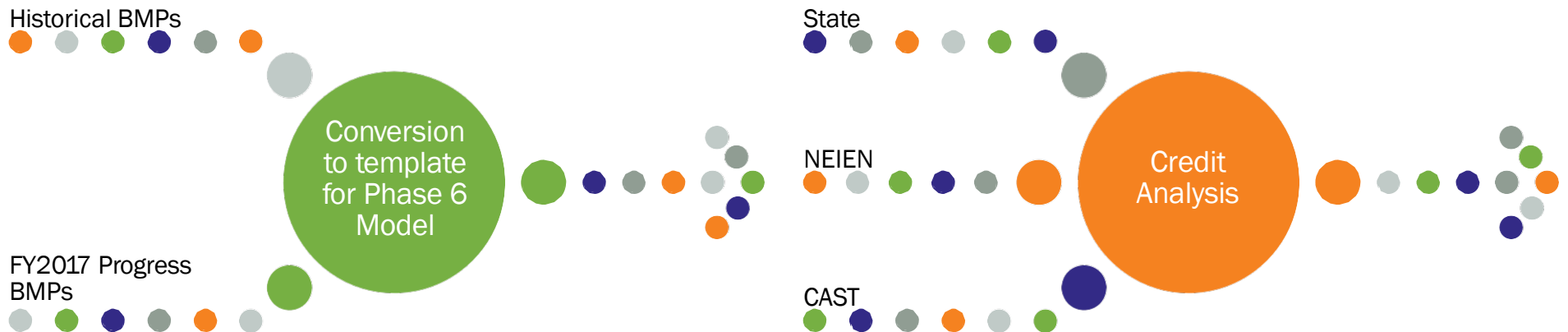


Photos by NSA Annapolis (at left), Arlington National Cemetery (at top and bottom right)

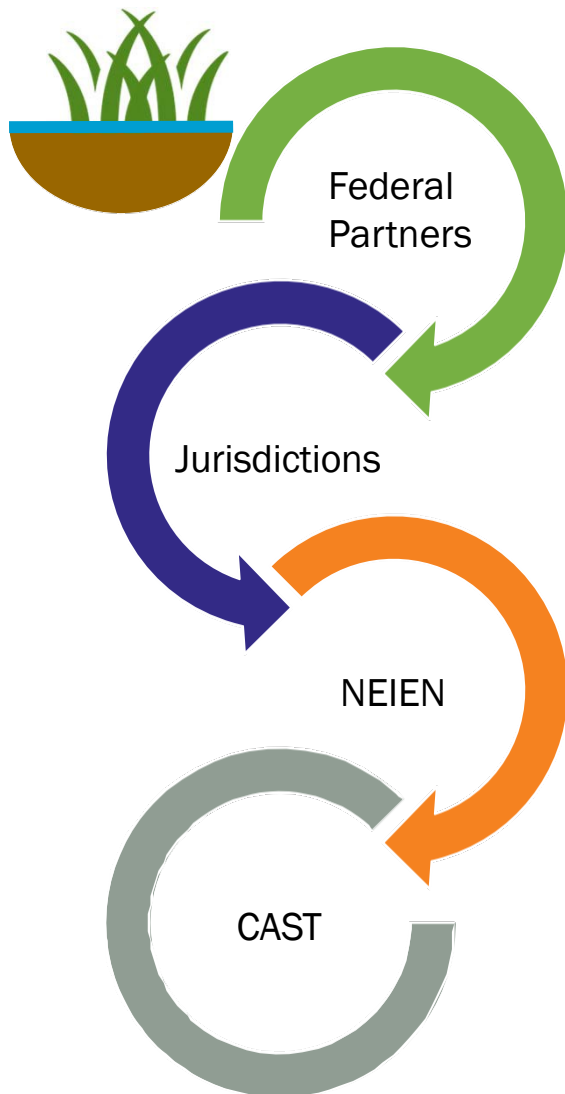
# Background

## BMP Reporting for Phase 6

All state templates for FY18 Reporting are in Phase 6 format. Federal partners will need to update their BMP records.



# Overview of the Reporting Process



After a BMP is reported by the facility, it passes through several steps before it is entered in the Bay Model.

## **Federal Department/Agency:**

Records compiled through annual datacall & reviewed to meet jurisdiction requirements.

## **Jurisdictions:**

Collect compiled records from federal partners and others; records entered into state database and uploaded to NEIEN.

## **National Environmental Information Exchange Network:**

Repository for all BMP records in the Bay watershed in a standardized, detailed database and model pre-processor.

## **Chesapeake Bay Assessment Scenario Tool:**

BMPs uploaded from NEIEN through a scenario builder to annual scenarios built by the Partnership modeling team.



A photograph of a garden pond with yellow Black-eyed Susans and green plants. The pond is filled with water, and the surrounding area is lush with greenery. The text "BMP State Templates and Annual Reporting" is overlaid on the image in white. The text is positioned in the lower-left quadrant of the image, with "BMP State Templates" on the top line and "and Annual Reporting" on the bottom line. The font is a clean, sans-serif typeface. The background of the text is the pond and the flowers, which are slightly out of focus.

# BMP State Templates and Annual Reporting

# FY2018 BMP Datacall

Purpose: To collect data about BMPs that reduce nutrient and sediment loads from installations.

DoD Key dates:

- Released: **July 31** (via e-mail)
- Responses due: **August 31**
- Conduct review and data reconciliation: **September**
- Submit to Jurisdictions: **October 1**





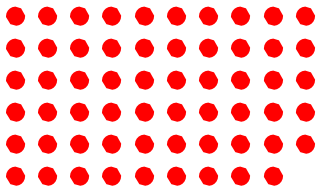
# Data Requested

**STORMWATER MANAGEMENT PRACTICES, NATURAL RESOURCE PROJECTS, OR AGRICULTURAL PRACTICES IN THE FOLLOWING CATEGORIES:**

- **PROGRESS BMPS:** Implemented between July 1, 2017 and June 30, 2018 (state year 2018)
- **PLANNED BMPS:** Planned to be implemented between July 1, 2018 and June 30, 2025.  
\*\*\*New request in response to Phase III WIP Expectations
- **HISTORICAL BMPS:** Implemented prior to July 1, 2017
  - BMPs not previously-reported
  - BMPs with new or more complete data available
  - Review of BMP records converted to Phase 6 nomenclature
  - Inspection and maintenance data for historical BMPs **(Required)**

**All BMPs must be state or CBP-approved practices.**

# Inspection & Maintenance Dates



From the BMP crediting reports:  
Credit for **59 BMPs** expired due to missing or outdated inspection/maintenance dates.



- To maintain credit in the Model, inspection and maintenance dates must fall within **credit duration** of the BMP.
  - Inspection date is a required field in this year's datacall.
  - If an inspection is required before next year's datacall, the field will be outlined in red in the datacall spreadsheet.
- \*\*\*Note that MS4 permit requirements may require more frequent inspections than the credit duration.

# BMPs Requiring Multiple Measures

Certain BMPs have the potential for more credit.

BMPs that qualify as a Stormwater Performance Standard BMP can receive additional credit, such as:

Bioretention practices

Filtering practices

Swales

Permeable pavement

Wet ponds

Infiltration practices

Forest buffers

To report a BMP as a Stormwater Performance Standard (either Runoff Reduction or Stormwater Treatment), you must provide:

- (1) Total acres treated,
- (2) Impervious acres treated, and
- (3) Volume treated



# Structure of the Spreadsheet

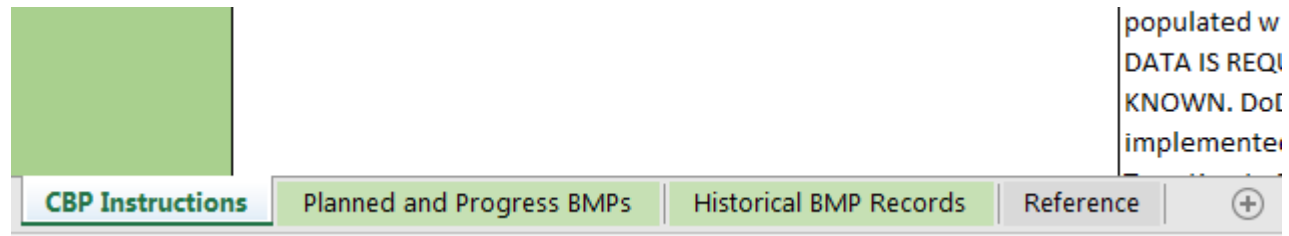
## (1) Instructions sheet

## (2) BMP entry sheet requesting either:

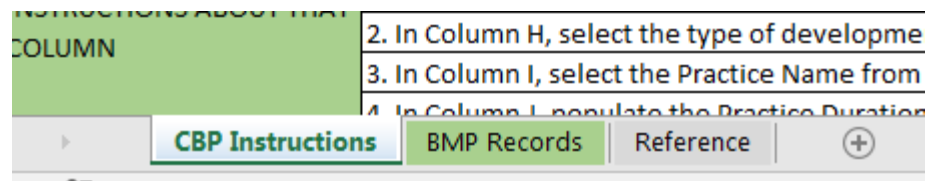
- Progress/planned BMPs on one sheet, Historical BMPs on another [MD, VA, PA, DC]
- All BMPs (historical, progress, planned) on one sheet [WV, NY]

## (3) Reference sheets

*Separate sheets for progress/planned and historical BMPs*



*One sheet for all BMPs*



# Locational Information

Latitude & longitude is the preferred location field.

- An estimated location will be required for historical, progress, and planned BMPs.
- You can estimate the latitude and longitude from online programs, such as Google Maps.
- If possible, provide estimates out to 4 decimal places.



# Other Data DoD Requests

BMP Cost: needed to demonstrate DoD progress toward implementation goal of \$45M in state years 2018 and 2019.

- Two-Year Milestone Commitment

BMPs installed as a result of Integrated Natural Resources Planning: consult Natural Resource Managers to compile BMP records for natural BMPs, such as:

- Stream restoration
- Shoreline restoration
- Forest harvesting practices



FY2018 BMP Datacall

# Spreadsheet Demonstration: Virginia

FY17 Status	Explanation	BMP Status	Year Funded	BMP Cost	Date Installed	BMP Name	Pre-Phase 6 BMP Name
YELLOW	Not fully credited by the state - some data assumed due to missing information	Historical	2011	\$40,825.00	1/1/2011	Bioretention	Bioretention/raingardens - A/
YELLOW	Not fully credited by the state - some data assumed due to missing information	Historical	2011	\$73,972.00	1/1/2011	Bioretention	Bioretention/raingardens - A/
YELLOW	Not fully credited by the state - some data assumed due to missing information	Historical	2011	\$85,075.00	1/1/2011	Bioretention	Bioretention/raingardens - A/
RED	No credit received - required data missing for the state	Historical			1/1/2011	Wet Pond	SWM_26 MDA WP
GREEN	BMP fully credited by state and Bay Model	Historical			1/1/2011	Bioretention	SWM_31 437_CDC
GREEN	BMP fully credited by state and Bay Model	Historical	2010		1/1/2011	Vegetated Open Channels	Vegetated Open Channel -Urb
GREEN	BMP fully credited by state and Bay Model	Historical	2010		1/1/2011	Vegetated Open Channels	Vegetated Open Channel -Urb
GREEN	BMP fully credited by state and Bay Model	Historical	2010		1/1/2011	Vegetated Open Channels	Vegetated Open Channel -Urb
GREEN	BMP fully credited by state and Bay Model	Historical	2011		1/1/2011	Vegetated Open Channels	Vegetated Open Channel -Urb
GREEN	BMP fully credited by state and Bay Model	Historical	2011		1/1/2011	Vegetated Open Channels	Vegetated Open Channel -Urb
GREEN	BMP fully credited by state and Bay Model	Historical	2009		1/1/2011	Vegetated Open Channels	Vegetated Open Channel -Urb
GREEN	BMP fully credited by state and Bay Model	Historical	2009		1/1/2011	Vegetated Open Channels	Vegetated Open Channel -Urb
GREEN	BMP fully credited by state and Bay Model	Historical	2010		1/1/2011	Wet Ponds & Wetlands	Wet Ponds and Wetlands
GREEN	BMP fully credited by state and Bay Model	Historical	2010		1/1/2011	Wet Ponds & Wetlands	Wet Ponds and Wetlands
GREEN	BMP fully credited by state and Bay Model	Historical	2010		1/1/2011	Wet Ponds & Wetlands	Wet Ponds and Wetlands
GREEN	BMP fully credited by state and Bay Model	Historical	2011		1/1/2011	Dry Detention Ponds & Hydrodynamic Structures	Dry Detention Ponds and Hydr
GREEN	BMP fully credited by state and Bay Model	Historical	2011		1/1/2011	Dry Extended Detention Ponds	Dry Extended Detention Pond
GREEN	BMP fully credited by state and Bay Model	Historical	2011		1/1/2011	Infiltration Basin	Infiltration Basin
GREEN	BMP fully credited by state and Bay Model	Historical	2011		1/1/2011	Infiltration Basin	Infiltration Basin
RED	No credit received - historical record not found	Historical	2010	\$5,000.00	1/1/2011	Vegetated Open Channels	Vegetated Open Channel
GREEN	BMP fully credited by state and Bay Model	Historical	2010	\$10,000.00	1/1/2011	Dry Detention Ponds	Dry Detention Pond
GREEN	BMP fully credited by state and Bay Model	Historical	2010	\$10,000.00	1/1/2011	Dry Detention Ponds	Dry Detention Pond
GREEN	BMP fully credited by state and Bay Model	Historical	2010	\$60,000.00	1/1/2011	Infiltration Basin	Infiltration Basin
YELLOW	Not fully credited by the state - some data assumed due to missing information	Historical	2010	\$12,000.00	1/1/2011	Permeable Pavement	Permeable Pavement*
YELLOW	Not fully credited by the state - some data assumed due to missing information	Historical	2010	\$12,000.00	1/1/2011	Permeable Pavement	Permeable Pavement*
GREEN	BMP fully credited by state and Bay Model	Historical			1/1/2011	Permeable Pavement	PermPavSVUDCD
GREEN	BMP fully credited by state and Bay Model	Historical			1/1/2011	Permeable Pavement	PermPavSVUDCD
GREEN	BMP fully credited by state and Bay Model	Historical			1/1/2011	Permeable Pavement	PermPavSVUDCD
GREEN	BMP fully credited by state and Bay Model	Historical			1/1/2011	Permeable Pavement	PermPavSVUDCD
GREEN	BMP fully credited by state and Bay Model	Historical			1/1/2011	Vegetated Open Channels	VegOpChanNoUDCD
GREEN	BMP fully credited by state and Bay Model	Historical			1/1/2011	Vegetated Open Channels	VegOpChanNoUDCD



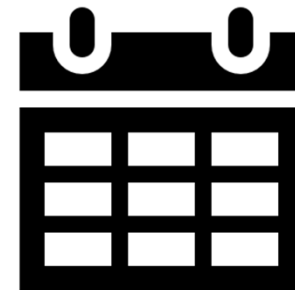
# Phase III WIP Information Request

DoD will include additional questions for installations to respond in support of EPA Phase III WIP Expectations.

- See separate Word File.

# Upcoming Trainings

- DoD will be doing a Live BMP datacall training in August for installations.



TBD