
Recording Your PDH Requirements as part of NGICP Recertification

INSTRUCTIONS

Certificants are required to complete 14 hours of professional development (PDH) every two years to meet certification requirements. These are typically completed via participation in webinars, conference sessions, and/or classes that are aligned with the certification exam.

RECERTIFICATION POLICIES AND PROCEDURES

Requirements

To maintain certification, all certified individuals are required to recertify every two years. A certificant must document participation in a minimum of 14 hours of continuing education training in topics directly related to constructing, inspecting, or maintaining green infrastructure (GI) during each two-year certification cycle.

Purpose

The purpose of the recertification requirement is to help assure that all certified individuals are continuing to take part in current training opportunities and stay up-to-date with the latest approaches and strategies for installing, inspecting, and maintaining GI practices.

Rationale

The quantity of recertification is set at 14 hours for every recertification period to encourage certificants to take classes, workshops, seminars, etc. and become familiar with several new topics or to take a more detailed training in a specific area of green infrastructure.

Expiration Date

According to the NGICP Policies and Procedures, the NGICP certification is valid for two years. Certificants must apply for recertification and successfully demonstrate that they meet the recertification requirements prior to the recertification deadline.

Recertification applications, contact hour documentation, and the recertification fee are all due on the day of the deadline by the close of business at WEF's offices in Alexandria, Virginia. After the deadline, progressive late fees will be charged above and beyond the recertification application fee according to the schedule below:

- After deadline through COB 30 days later: Late fee of \$25
- 31 days through 90 days after deadline: Late fee of \$50
- 91 days through 180 days after deadline: Late fee of \$75
- 181 days through 365 days after deadline: Late fee of \$100

After 365 days (or one year), the certification expires and recertification is not possible. The individual will need to submit a new NGICP application, then take and pass the exam again in order to become recertified.

The two-year certification cycle begins on the date NGICP awards the credential and expires in two years on the first day of the month immediately following the certification date.

Effective Certification Date	Recertification Deadline
January 26, 2017	February 1, 2019
June 30, 2017	July 1, 2019
December 7, 2017	January 1, 2020
February 13, 2018	March 1, 2020

PDH FULFILLMENT

Certificants can fulfill their PDH obligations through online programming, mentoring, and technical publications on topics reflected by the exam (see Appendix A). Certificants can earn an unlimited number of hours through online programming, and a maximum of 2 PDHs per year through mentoring and technical publications.

Activity	Available PDHs
Online Programming Watershed Fundamentals Green Infrastructure Practices Methods and Materials Functionality and Appearance	Free (4 hours); Fee-based (6.5 hours) Free (11.35 hours); Fee-based (1.5 hours) Free (5.5 hours); Fee-based (6 hours) Free (5 hours)
E-Learning Courses	52.75 hours
Mentoring	4 PDH max. (2 PDH/year)
Technical Publications (with specific publication equivalencies to be calculated)	4 PDH max. (2 PDH/year)

Certificant PDH Log

For verification purposes, a PDH log for each certificant needs to be submitted to WEF to record on their profile.

Online Programming

Online programming provides professional development hours through webinars, webinar/exercise combinations, or case study analysis. WEF has identified a library of programming options currently available **free-of-charge** or **for a fee**. Training opportunities are categorized based on the exam areas:

- Watershed Fundamentals
- Green Infrastructure Practices
- Methods and Materials
- Functionality and Appearance

See Appendix B for a current library of online programming options.

E-learning Courses

The following organizations and entities offer a sequence of stormwater/GI trainings that fulfill multiple professional development hours:

- Iowa Storm Water Education Partnership: <http://www.iowastormwater.org/>
- IECA courses: <http://ieca.learnercommunity.com/wef>
- StormwaterONE courses: <http://knowledgecenter.wef.org/StormwaterONE>

See Appendix B for a current library of e-learning course options.

Mentoring

Mentoring provides a fantastic opportunity for individuals to advance their professional and personal development through interpersonal relationships. Certificants working with a mentor the field of green infrastructure as defined by the exam (see Appendix A) can earn up to 2 PDHs per year towards recertification. Two (2) hours of mentoring is equal to one (1) PDH. Using this formula, certificants could engage in 4 hours of mentoring per year to reach their (2) PDH annual maximum.

Mentoring shall be separate from staff supervision of employment duties or job functions by, but not limited to, department director, department manager, project manager, or contractor.

The certificant's mentor must sign a record of interactions of any mentoring sessions. Mentoring is recorded in the PDH Log.

Publications

Certificants can earn up to 2 PDHs per year towards recertification by reading articles, books, or websites specifically focused on the field of green infrastructure as defined by the exam (see Appendix A). Two (2) hours of reading is equal to one (1) PDH. Using this formula, certificants would need to engage in 4 hours of reading per year to reach their (2) PDH annual maximum.

PDH reading materials shall be separate from required readings as part of employment duties or job functions including, but not limited to, memos, reports, instructions, or briefings.

The certificant's supervisor/mentor must sign the reading entries in the PDH log indicating the reading material and time read. Technical readings are documented in the PDH Log



Appendix A. Exam Topics

The Green Infrastructure (GI) practices focused on in the National Green Infrastructure Certification Program (NGICP) are as follows: bioretention (rain gardens, bioretention cells, curb extensions/bulb-outs, bioswales, stormwater planters), rainwater harvesting (rain barrels and cisterns), permeable pavements (porous concrete, pervious asphalt and permeable pavers), green roofs and blue roofs, and dry wells and stormwater wetlands.

Certificants can fulfill their PDH obligations through online programming, mentoring, and technical publications on topics in the following exam topics.

Watershed Fundamentals
Apply the key concepts of basic hydrology/hydrologic function
Apply the basic concept and recognize the environmental benefits of stormwater management and green infrastructure
Green Infrastructure (GI) Practices
Identify the basic functionality of various GI practices
Identify the purpose, functionality, and properties of the basic physical components of GI practices
Apply key concepts related to the lifecycle of GI practices
Identify the terminology used to describe various GI practices
GI Methods and Materials
Recognize the appropriate application of equipment for the construction or the maintenance of a GI practice
Apply the key concepts of site layout and grade checking
Recognize the purpose of common GI construction materials
Apply the key concepts of basic vegetation management and establishment
Recognize the significance of and identify the procedure for proper storage and handling of materials
Recognize the significance of and identify the procedure for water management, as well as erosion and sediment control, during the construction and maintenance of a project
Identify potential site safety hazards associated with GI practices and personal protective equipment (PPE)
Read and comprehend architectural and engineering drawings
Recognize adjacent and related infrastructure variables as they pertain to GI
GI Functionality and Appearance
Recognize GI-related performance issues
Diagnose the cause of common GI failures
Recognize adequate and comprehensive documentation of GI practices



Appendix B. Library of Professional Development (PDH) Options

ONLINE PROGRAMMING

WATERSHED FUNDAMENTALS

FREE

Title of Training: [Hydrology: Watersheds](#)

1 PDH

Format: Online training

Duration: 55 minutes

Agency/Organization Administering the Training: COMET[®] Program in partnership with the National Environmental Education Foundation with funding by the U.S. EPA

A six-unit course for broadcast meteorologists to understand the connections between weather and watersheds.

Exam Area: Watershed Fundamentals

Title of Training: [Highway Hydrology: Basic Concepts and Methods Web-Based](#)

2 PDH

Format: Online course

Duration: 2 hours

Agency/Organization Administering the Training: National Highway Institute

The first lesson focuses on the hydrologic cycle, associated terms, and the relationship of risk to return period and probability of exceedance. The second lesson explains the variability of storms based on three general types of storms, how variations in storm duration and intensity impact runoff, and the watershed characteristics that influence runoff. The third lesson discusses the Rational Method, the NRCS Graphical Method, and Regression Equations as methods to determine peak flow quantities.

Exam Area: Watershed Fundamentals

**Users must create a login, add this course to their cart and checkout. Once logged in, under "My Training", you will see the Web-based or Web-conference training you enrolled in. Click launch to view.*

Title of Training: [Basic Hydrology 1 - Rainfall & Time of Concentration](#)

0.25 PDH

Format: Online training

Duration: 14 minutes

Agency/Organization Administering the Training: Clemson Public Service Activities

This training for the South Carolina Certified Stormwater Plan Reviewer Course covers basic hydrology, rainfall characteristics and how they affect runoff, and how to calculate time of concentration. It is part of a series of four training videos that also cover runoff curve numbers, peak flow, and rational method for those who want to learn more.

Exam Area: Watershed Fundamentals

Title of Training: [Urban Stormwater Management](#)

0.25 PDH

Format: Online training

Duration: 14 minutes

Agency/Organization Administering the Training: Colorado State University

A lecture covering the evolution of stormwater management by Chris Olson, P.E. for Colorado State University's free Massive Open Online Course.

Exam Area: Watershed Fundamentals

Video Collection

0.5 PDH for the whole sequence

Title of Training: [The Water Cycle](#)

0.5 PDH for the collection

Format: Video

Duration: 7 minutes

Agency/Organization Administering the Training: National Science Foundation

Explains basic processes within the hydrologic cycle, including precipitation, interception, runoff, infiltration, percolation, groundwater discharge, evaporation, transpiration, evapotranspiration, and condensation.

Exam Area: Watershed Fundamentals

Title of Training: [What is a Watershed?](#)

0.5 PDH for the collection

Format: Video

Duration: 1 minute

Agency/Organization Administering the Training: Battle River Watershed

A short video explaining the concept of a watershed.

Exam Area: Watershed Fundamentals

Title of Training: [What the Heck is Storm Water Runoff?](#)

0.5 PDH for the collection

Format: Video

Duration: 5 minutes

Agency/Organization Administering the Training: California Water Boards

This video discusses the issues associated with stormwater runoff and how green infrastructure can help improve stormwater management.

Exam Area: Watershed Fundamentals

Title of Training: [Soils - Digging Up the Dirt on Soil](#)

0.5 PDH for the collection

Format: Video

Duration: 7 minutes

Agency/Organization Administering the Training: California Water Boards

This video discusses the importance and factors for healthy soils to support plant growth and drainage.

Exam Area: Watershed Fundamentals

Title of Training: [Ever wondered where the rain goes?](#)

0.5 PDH for the collection

Format: Video

Duration: 3 minutes

Agency/Organization Administering the Training: Construction Industry Research and Information Association (CIRIA)

This short animation demonstrates how changes to the natural water cycle caused by development can be positively managed using green infrastructure, also known as sustainable urban drainage systems or SuDS.

Exam Area: Watershed Fundamentals

Title of Training: [Hydrology 101 - Understanding the Processes](#) 1.5 PDH

Format: Recorded webinar

Duration: 1.5 hours

Agency/Organization Administering the Training: American Society of Civil Engineers

This webinar explores the concepts, terms, and analyses behind hydrology, as well as the basis for analyses that go into hydrologic studies. It teaches learners how to find sources for hydrologic data and how to read data from hydrographs.

Exam Area: Watershed Fundamentals

Cost: Member \$99.00 | Non-Member \$159.00

Title of Training: [Basic Hydrology - Part One & Part Two](#) 2 PDH

Format: Recorded webinar

Duration: 2 hours

Agency/Organization Administering the Training: International Erosion Control Association

This course will describe and discuss the factors that influence stormwater runoff and demonstrate the methodology and procedures to quantify runoff volumes. Precipitation, drainage areas, hydrologic soil groups, land use cover and hydrologic conditions will be explained using a design example to convert rainfall to runoff with USDA-NRCS TR55 hydrologic analyses.

Exam Area: Watershed Fundamentals

Cost: Member \$75.00 | Non-Member \$100.00

** WEF members receive a 10% discount on IECA courses with coupon code WEF16.*

Title of Training: [Hydrology 101 \(For Those Who Skipped It in College\)](#) 3 PDH

Format: Online training

Duration: 3 hours

Agency/Organization Administering the Training: Forester University

This two-part course explores the concepts, terms, and analyses behind hydrology. Part I will cover the hydrologic cycle, common terms, frequency analysis, as well as sources and use of precipitation data. Topics covered in Part II include hydrologic losses, determining runoff, developing a hydrograph, and routing the channel downstream.

Exam Area: Watershed Fundamentals

Cost: \$149

GREEN INFRASTRUCTURE PRACTICES

Title of Training: [Green Infrastructure and Low Impact Development 101](#) 1 PDH

Format: Online course

Duration: 52 minutes

Agency/Organization Administering the Training: Municipal Online Stormwater Training Center

From defining basic concepts to describing specific applications and practical strategies for implementation, this course will help interested professionals understand how green infrastructure and LID can benefit their communities by contributing to flood management strategies and natural resilience, promoting clean water and environmental quality, and enhancing livability.

Exam Area: Green Infrastructure Practices

* Users must first create an account to access the training.

Title of Training: [Green Stormwater Infrastructure / Low-Impact Development Toolbox of Solutions](#) 0.5 PDH

Format: Online training

Duration: 28 minutes

Agency/Organization Administering the Training: Seattle Public Utilities

Landscape design, installation, and maintenance professionals get an introduction to stormwater problems and the green stormwater infrastructure tools that can be used to slow, filter, and infiltrate rainfall onsite.

Exam Area: Green Infrastructure Practices

Title of Training: [Using Green Infrastructure to Reduce Stormwater Runoff](#) 0.75 PDH

Format: Recorded webinar

Duration: 48 minutes

Agency/Organization Administering the Training: Penn State Extension

Melissa Hess, Senior Project Manager for URS, discusses using green infrastructure in watershed assessments to reduce stormwater runoff and improve water quality.

Exam Area: Green Infrastructure Practices

Title of Training: [Introduction to Low Impact Development - Low Impact Development O&M Training](#) 0.1 PDH

Format: Recorded presentation

Duration: 7 minutes

Agency/Organization Administering the Training: Washington Department of Ecology

This presentation provides an introduction to green infrastructure for operations and maintenance professionals.

Exam Area: Green Infrastructure Practices

Title of Training: [Green Infrastructure for Stormwater Management: Parking Lots and Hardscapes](#) 1 PDH

Format: Recorded webinar

Duration: 1 hour, 5 minutes

Agency/Organization Administering the Training: Lake Champlain Basin Program

This webinar for municipal officials in the New York portion of the Lake Champlain Basin focuses on green infrastructure practices and case studies appropriate for parking lots and hardscapes. **Exam Area:** Green Infrastructure Practices

Title of Training: [Green Infrastructure for Stormwater Management: Buildings](#) 1 PDH

Format: Recorded webinar

Duration: 1 hour

Agency/Organization Administering the Training: Lake Champlain Basin Program

This webinar for municipal officials in the New York portion of the Lake Champlain Basin focuses on green infrastructure practices and a case study appropriate for buildings.

Exam Area: Green Infrastructure Practices

Title of Training: [Ahead of the Curve – Implementing Green Infrastructure in Rural and Growing Communities](#) 1.25 PDH

Format: Recorded webinar

Duration: 1 hour, 18 minutes

Agency/Organization Administering the Training: U.S. Environmental Protection Agency
Green infrastructure can provide multiple benefits for small and rural communities. This webcast showcases two such communities, Monona, Iowa and Clarkesville, Georgia, that are ahead of the curve in using green infrastructure to address some of their stormwater management challenges.

Exam Area: Green Infrastructure Practices

Title of Training: [Green Infrastructure for Stormwater Management: Rural Roads](#)

1 PDH

Format: Recorded webinar

Duration: 53 minutes

Agency/Organization Administering the Training: Lake Champlain Basin Program
This webinar for municipal officials in the New York portion of the Lake Champlain Basin focuses on green infrastructure practices and case studies appropriate for rural roads.

Exam Area: Green Infrastructure Practices

Title of Training: [Green Infrastructure for Stormwater Management: Village Streets](#)

1 PDH

Format: Recorded webinar

Duration: 1 hour, 6 minutes

Agency/Organization Administering the Training: Lake Champlain Basin Program
This webinar for municipal officials in the New York portion of the Lake Champlain Basin focuses on green infrastructure practices and case studies appropriate for the street environment.

Exam Area: Green Infrastructure Practices

Title of Training: [Full Cycle Bioretention](#)

1.5 PDH

Format: Recorded webinar

Duration: 1 hour, 30 minutes

Agency/Organization Administering the Training: Chesapeake Stormwater Network
The webcast will explore how bioretention knowledge gained over the last few years from monitoring and operational experience can be used to perfect the practice over the full cycle of implementation — site assessment, design, construction, inspection, routine maintenance and periodic makeovers.

Exam Area: Green Infrastructure Practices

Title of Training: [Low Impact Development and the Basics of Bioretention](#)

1 PDH

Format: Recorded webinar

Duration: 1 hour

Agency/Organization Administering the Training: StormwaterONE
Bioretention systems represent one of the most commonly applied low impact development devices in green infrastructure today. This webinar introduces the basics of bioretention systems, how they work, why they work, and how they can save on project costs.

Exam Area: Green Infrastructure Practices

Title of Training: [Green Roofs for Stormwater Management](#)

1.25 PDH

Format: Recorded webinar

Duration: 1 hour, 11 minutes

Agency/Organization Administering the Training: Penn State Extension
A webinar on green roofs for stormwater management presented by Robert Berghage, Director of the Center for Green Roof Research at Penn State University.

Exam Area: Green Infrastructure Practices

PAID

Title of Training: [Low-Impact Development: How LID Works in Different Regions](#) 1.5 PDH

Format: Recorded webinar

Duration: 1 hour, 30 minutes

Agency/Organization Administering the Training: Forester University

This webinar explores different types of LID (impervious area disconnection, rain gardens, bioswales, bioretention, permeable pavement, and green roofs) and how each type of LID works in varying climates to reduce stormwater runoff.

Exam Area: Green Infrastructure Practices

Cost: \$79

GREEN INFRASTRUCTURE METHODS AND MATERIALS

FREE

Title of Training: [Erosion and Sediment Control for Construction Sites](#) 2 PDH

Format: Online training

Duration: 2 hours

Agency/Organization Administering the Training: Municipal Online Stormwater Training Center

This course is for anyone who wants to understand the principles and practices needed to keep polluted stormwater from leaving construction sites. Individuals responsible for demonstrating compliance with an Erosion Sediment Control plan or the conditions of a Construction General Permit will find the material a useful starting place.

Exam Area: Green Infrastructure Methods and Materials

** Users must first create an account to access the training.*

Title of Training: [Planting Stormwater Control Systems](#) 1.5 PDH

Format: Recorded webinar

Duration: 1 hour, 26 minutes

Agency/Organization Administering the Training: Penn State Extension

A webinar on planting stormwater control systems presented by Connie Schmotzer, Horticulture Educator at Penn State Extension.

Exam Area: Green Infrastructure Methods and Materials

Title of Training: [LID Stormwater Construction Practices](#) 0.25 PDH

Format: Video

Duration: 15 minutes

Agency/Organization Administering the Training: Center for Watershed Protection and the Chesapeake Bay Stormwater Training Partnership

This video discusses types of stormwater controls, their construction elements, the importance of proper construction sequencing, and proper construction techniques.

Exam Area: Green Infrastructure Methods and Materials

Title of Training: [Construction Sequence/Inspection & Maintenance of Bioretention](#) 1.25 PDH

Format: Recorded presentation

Duration: 1 hour, 13 minutes

Agency/Organization Administering the Training: Alliance for the Chesapeake Bay
Tom Schueler and Cecilia Lane of the Chesapeake Stormwater Network discuss the importance of construction inspection for bioretention practices.

Exam Area: Green Infrastructure Methods and Materials

Title of Training: [Map Reading Skills for Site Plan Review](#)

0.5 PDH

Format: Video

Duration: 24 minutes

Agency/Organization Administering the Training: University of Connecticut Land Use Academy
This series of four videos provides basic guidance for reading maps and site plans and includes basic skills such as measuring distances and slope and understanding the use of scale and topography.

Exam Area: Green Infrastructure Methods and Materials

PAID

Title of Training: [Lessons in LID Construction](#)

1 PDH

Format: Recorded webinar

Duration: 1 hour

Agency/Organization Administering the Training: International Erosion Control Association
Construction of low impact development practices involves techniques and specifications that differ from traditional stormwater management construction practices. Instructors will take participants through each step of low impact development construction, highlighting potential errors and explaining proper techniques.

Exam Area: Watershed Fundamentals

Cost: Member \$75.00 | Non-Member \$100.00

** WEF members receive a 10% discount on IECA courses with coupon code WEF16.*

Title of Training: [Construction Site Erosion and Sediment Control: Best Practices and Low Impact Solutions](#)

1 PDH

Format: Recorded webinar

Duration: 1 hour

Agency/Organization Administering the Training: International Erosion Control Association
Learners will understand how construction phase stormwater management relates to the ultimate success or failure of post-construction practices. Understand peak flow rate, volume and runoff frequency changes due to development of impervious surfaces and how to mitigate them.

Exam Area: Green Infrastructure Methods and Materials

Cost: Member \$75.00 | Non-Member \$100.00

** WEF members receive a 10% discount on IECA courses with coupon code WEF16.*

Title of Training: [Amending Site Soils to Enhance Infiltration on Compacted Urban Sites](#)

1.5 PDH

Format: Recorded webinar

Duration: 1 hour, 30 minutes

Agency/Organization Administering the Training: American Society of Landscape Architects
Learn how to amend physical, chemical, and biological soil properties to achieve high infiltration rates.

Exam Area: Green Infrastructure Methods and Materials

Cost: \$185

Title of Training: [Construction Management: Reading Drawings & Specifications](#)

2.5 PDH

Format: Online training

Duration: 2 hours, 20 minutes

Agency/Organization Administering the Training: LinkedIn Learning

In this course, learn how to read construction drawings, know the components that make up construction plans, and understand the language of construction drawings.

Exam Area: Green Infrastructure Methods and Materials

** The first month of LinkedIn Learning is free, but an ongoing individual subscription is \$24.99 per month.*

GREEN INFRASTRUCTURE FUNCTIONALITY AND APPEARANCE

FREE

Title of Training: [Lessons Learned in Green Infrastructure](#)

1.25 PDH

Format: Recorded webinar

Duration: 1 hour, 10 minutes

Agency/Organization Administering the Training: U.S. Environmental Protection Agency

This webcast highlights lessons learned from on-the-ground implementation of green infrastructure practices.

Exam Area: Green Infrastructure Practices

Title of Training: [Green Infrastructure for Stormwater Management: Operation and Maintenance](#) 1.5 PDH

Format: Recorded webinar

Duration: 1 hour, 27 minutes

Agency/Organization Administering the Training: Lake Champlain Basin Program

This webinar for municipal officials in the New York portion of the Lake Champlain Basin focuses on operation and maintenance of green infrastructure projects.

Exam Area: Green Infrastructure Functionality and Appearance

Title of Training: [Maintaining Green Infrastructure Systems in Your Community](#)

1.25 PDH

Format: Recorded webinar

Duration: 1 hour, 11 minutes

Agency/Organization Administering the Training: Penn State Extension

A webinar presented by Robert Traver, Director of the Villanova Urban Stormwater Partnership on maintaining green infrastructure systems.

Exam Area: Green Infrastructure Practices; Green Infrastructure Methods and Materials

Title of Training: [Bioretention Maintenance - Low Impact Development O&M \(Part 1\)](#)

0.25 PDH

Format: Recorded presentation

Duration: 18 minutes

Agency/Organization Administering the Training: Washington Department of Ecology

This two-part presentation describes bioretention facilities and how to maintain and repair a number of components associated with these practices. The presentations cover watering methods and frequency, weed removal, and mulching.

Exam Area: Green Infrastructure Practices, Green Infrastructure Methods and Materials, Green Infrastructure Functionality and Appearance

Title of Training: [Bioretention Maintenance - Low Impact Development O&M \(Part 2\)](#)

0.25 PDH

Format: Recorded presentation

Duration: 13 minutes

Agency/Organization Administering the Training: Washington Department of Ecology

This two-part presentation describes bioretention facilities and how to maintain and repair several components associated with these practices. The presentations cover watering methods and frequency, weed removal, and mulching.

Exam Area: Green Infrastructure Practices, Green Infrastructure Methods and Materials, Green Infrastructure Functionality and Appearance

Title of Training: [Permeable Pavement Maintenance - Low Impact Development O&M](#)

0.25 PDH

Format: Recorded presentation

Duration: 21 minutes

Agency/Organization Administering the Training: Washington Department of Ecology

This presentation covers routine maintenance, corrective maintenance, and repair of pervious concrete, porous asphalt, permeable pavers, and plastic grid systems.

Exam Area: Green Infrastructure Practices, Green Infrastructure Methods and Materials, Green Infrastructure Functionality and Appearance

Video Collection

0.25 PDH for both

Title of Training: [Vegetated Roof Maintenance - Low Impact Development O&M](#)

0.25 PDH for both

Format: Recorded presentation

Duration: 8 minutes

Agency/Organization Administering the Training: Washington Department of Ecology

This presentation covers the maintenance and repair basics of several components associated with vegetated (green) roofs.

Exam Area: Green Infrastructure Practices, Green Infrastructure Methods and Materials, Green Infrastructure Functionality and Appearance

Title of Training: [Water Strategies & Vegetation Maintenance - Low Impact Development O&M Training](#)

0.25 PDH for both

Format: Recorded presentation

Duration: 7 minutes

Agency/Organization Administering the Training: Washington Department of Ecology

This presentation describes vegetation maintenance techniques and shows different tools for watering plants.

Exam Area: Green Infrastructure Methods and Materials, Green Infrastructure Functionality and Appearance

E-LEARNING COURSES

GREEN INFRASTRUCTURE PRACTICES

Title of Training: [Iowa Green Stormwater Infrastructure Certificate Webinars](#)

11 PDH

Format: Recorded webinar series

Duration: Total 11 hours

Agency/Organization Administering the Training: Rainscaping Iowa

This eight-session webinar series covers an introduction to green infrastructure, bioretention cells,

bioswales, green roofs, native landscaping, rain gardens, soil quality management and restoration, and permeable pavement systems.

Exam Area: Green Infrastructure Practices

Cost: \$50 per webinar or \$250 for package

Title of Training: [Introduction to Low Impact Development](#)

15 PDH

Format: Online training

Duration: 15 hours

Agency/Organization Administering the Training: International Erosion Control Association

This four-module course covers the progression to low impact development (LID), principles of LID, cost benefits of LID, and examines 11 LID practices.

Exam Area: Green Infrastructure Practices

Cost: Member \$40.00 | Non-Member \$50.00

** WEF members receive a 10% discount on IECA courses with coupon code WEF16.*

Title of Training: [Permeable Pavement Master Class Series](#)

6 PDH

Format: Recorded webinar series

Duration: 6 hours

Agency/Organization Administering the Training: Forester University

This four-session master class series explores the ins and outs of permeable pavement design, construction, and performance.

Exam Area: Green Infrastructure Practices

GREEN INFRASTRUCTURE METHODS AND MATERIALS

Title of Training: [Permeable Pavement Master Class Series](#)

6 PDH

Format: Recorded webinar series

Duration: 6 hours

Agency/Organization Administering the Training: Forester University

This four-session master class series explores the ins and outs of permeable pavement design, construction, and performance.

Exam Area: Green Infrastructure Methods and Materials

Cost: \$250

Title of Training: [Stormwater Management for Construction Activity](#)

6 PDH

Format: Online training

Duration: 6 hours

Agency/Organization Administering the Training: StormwaterONE

This online training provides an overview of the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program, and the proper installation and maintenance of temporary pollution controls for sediment and erosion control and pollution prevention.

Exam Area: Green Infrastructure Methods and Materials

Cost: \$239

**On the weblink, look for CI122 under Alabama State*

Title of Training: [Basic Construction Surveying](#)

3 PDH

Format: Online training

Duration: 3 hours

Agency/Organization Administering the Training: National Highway Institute

This training reviews the basics of construction surveying and is intended for those who are new to the construction surveying experience or for anyone needing a refresher.

Exam Area: Green Infrastructure Methods and Materials

Cost: \$25

Title of Training: [Green Infrastructure Lecture Series](#)

3.25 PDH

Format: Recorded presentation

Duration: 3 hours, 20 minutes

Agency/Organization Administering the Training: DECO Resources, LLC through a grant from the Pittsburgh Water & Sewer Authority

A green infrastructure lecture series covering green infrastructure practices (green roofs, rain gardens, pervious pavement, and pavers) and their construction, materials, and maintenance considerations.

Exam Area: Green Infrastructure Methods and Materials

GREEN INFRASTRUCTURE FUNCTIONALITY AND APPEARANCE

Title of Training: [Post-Construction Stormwater Maintenance](#)

2.5 PDH

Format: Online training

Duration: 2 hours, 30 minutes

Agency/Organization Administering the Training: StormwaterONE

This training covers post-construction stormwater maintenance on various types of best management practices including: structural, manufactured, green infrastructure, and detention and retention systems.

Exam Area: Green Infrastructure Functionality and Appearance

Cost: \$99.00

**On the weblink, look for MP199 under Alabama State*