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PPRE-FOREVERGREEN

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Green Training Proposal

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Executive Summary

PPRE-FOREVERGREEN wishes to provide approved Green Training for a number of personnel so that they understand the various components of building science, renewable energy, and/or sustainability.

Everblue is a best-in-class training provider focusing on sustainability, building science, and renewable energy training. This proposal has been prepared to delineate why Everblue is the best choice to fulfill your training needs.

Scope of Work

Everblue will provide all curricula, equipment, instruction, and proctoring services for the following courses:

- BPI Building Analyst, BPI IDL, RESNET HERS Rater, Advanced Solar PV, LEED Green Associate, LEED AP BD+C, LEED AP O+M
- Classroom training will be held at client's facility or Everblue facility
- Field training will be conducted at a residential home in the area, to be secured by client or Everblue (if applicable)
- Course manual and online practice exams will be provided
- Exams will be administered by Everblue (if applicable)

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Foundation of Our Success

Everblue's success to date can be attributed to pairing our diverse and top-flight curriculum with best-in-class instructors…

About our Instructors	
13	Average years of experience in construction & green building fields
77%	Hold a bachelor's degree
16%	Hold a master's degree
17%	Are female
25%	Instructors were originally Everblue students
25%	Teach all of our courses BPI, RESNET, Solar and LEED courses
All of our instructors hold the certifications for which they are teaching and many contribute to working groups for the ongoing development of these standards.	

…and is demonstrated in our impressive roster of past clients

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Our History

Established in 2008, Everblue has quickly grown into a leading sustainability training institute….

…and our students' consistently positive feedback drives this point home.

"The class and the practice tests were what did it for me. It has been 30 years since I took a test that intense and I almost talked myself out of going and delaying for a while...but I studied every day for a week prior to the exam and it was really just like the practice ones. Everything did seem very familiar, almost the same questions, which kept me from second guessing my answers!"

- Debra, Princeton University

"Most knowledgeable instructor I have had in a long time. You cut out the extras, presented the important test info, gave us real tools to use, and are knowledgeable enough to handle all questions without getting thrown off. In fact, we had 4 employees take your course, immediately schedule our exams, and pass to become LEED APs within 2 ½ weeks."

- Danna Seigle, LEED AP
McMichael's Construction Co., Inc.

BPI Building Analyst Overview

This course is aligned with the Building Performance Institute (BPI) Building Analyst Professional standards for energy auditing and provides instruction for energy efficiency analysis using the house-as-a-system approach. There are no prerequisites for this course. This training course will provide individuals with the knowledge necessary to provide homeowners with an overview of energy consumption and options to save money by conserving energy. Students will participate in classroom and field training, as well as written and field testing.

BPI Building Analyst Course Objectives

- Understand energy and how energy can transfer in a home
- Learn how to operate a blower door, manometer, combustible gas leak detector, and CO analyzer
- Identify common problems and be able to make appropriate recommendations as it relates to homeowner comfort, safety, and energy efficiency
- Conduct a comprehensive assessment of a home. Check for combustion safety, indoor air quality issues, and possible energy efficiency improvements

BPI Infiltration and Duct Leakage Overview

The BPI IDL Certification fills a void in new home construction, and is also valuable for existing homes. Those working to comply with IECC 2009 and 2012 codes that require blower door and ducts leakage tests on new homes will find this training is an affordable alternative to traditional credentials for IECC compliance testing services. Students taking this course will explore the fundamentals of air movement in residential buildings to identify the factors and sources of air leaks, as well as cover ventilation system requirements and how ventilation relates to overall air leakage in a home.

RESNET HERS Rater Overview

The Residential Energy Services Network (RESNET) is a national organization that regulates energy efficiency in homes. RESNET's technical standards are based on its Home Energy Rating System (HERS) Index. The HERS system allows for an apples-to-apples energy efficiency comparison of different homes. A rating of 100 on the HERS Index represents energy use of a standard building, while a rating of 0 indicates a new building that uses no net purchased energy.

RESNET HERS Rater Course Objectives

- Understand energy and how energy can transfer in a home
- Learn how to operate a blower door, manometer, combustible gas leak detector, and CO analyzer
- Identify common problems and be able to make appropriate recommendations as it relates to homeowner comfort, safety, and energy efficiency
- Conduct a comprehensive assessment of a home. Check for combustion safety, indoor air quality issues, and possible energy efficiency improvements
- Using energy modeling software, assign a rating to a home on the HERS Index

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Entry Level Solar PV Overview (Online)

This 40-hour solar training course is designed for individuals who want to get into the solar field. This course covers the fundamentals of solar energy and photovoltaic, electricity, system sizing principles and PV array electrical & mechanical design. This is an entry level certification requiring no prerequisites and is ideal for contractors, foremen, supervisors, journeymen, electricians, students or anyone interested in understanding renewable energy or looking for a new career path.

Entry Level Solar PV Topics

- Introduction to Solar
- History of Solar
- Site Evaluation
- Solar Safety
- Electrical Basics
- PV Fundamentals
- PV Design
- Types of Solar Energy Systems

Advanced Solar PV Installer Overview (Live/In-Person)

This advanced 40-hour Solar PV training course is designed to teach individuals how to physically install solar panels, modules, and components. Students will be constructing an actual array on a roof deck rack and installing the balance of components, including inverters, charge controllers, and battery banks for grid-tied and off-grid systems. This hands-on solar training course will provide you with the skills required to work for an installer or to work towards becoming a solar contractor yourself. In addition, you will be on your way toward qualifying to take the NABCEP PV Installation Professional Exam.

Advanced Solar PV Topics

- Solar Photovoltaic Systems
- System Components
- PV Install Techniques
- System Maintenance and Safety
- PV System Sizing Principles
- Site/Load Analysis Design
- Solar PV System Mechanical Design
- Grid-Tied/Off-Grid Component Labs

LEED Green Associate Overview

This course supplements individual preparation for anyone interested in passing the Leadership in Energy and Environmental Design (LEED) Green Associate Exam. After an introduction to the exam format and computer based testing, your instructor will give an overview of how the LEED rating system works. Next, the group will examine the core concepts of green building as they relate to each of the rating systems. Finally, your instructor will explain what you need to study after leaving this class to increase your chances of passing the exam. Sample questions and memorization worksheets will be presented and discussed throughout the course.

LEED Green Associate Topics

- Test Format and Exam Interface
- Overview of LEED Rating Systems
- Water Efficiency
- Energy and Atmosphere
- Materials and Resources
- Indoor Environmental Quality
- Innovation in Design and Regional Priority
- LEED Process

LEED AP BD+C Overview

With this LEED AP Building Design and Construction training, you will learn the requirements and calculations required for the following LEED credits: Sustainable Sites, Water Efficiency, Energy and Atmosphere, Materials and Resources, and Indoor Environmental Quality. Everblue's exam prep courses and materials include a credit-by-credit overview of the LEED BD+C rating system as well as a review of the processes, procedures, and calculations associate with attaining LEED certification for new construction/major renovation. Finally, your instructor will explain what you need to study after leaving this class to increase your chances of passing the exam. Sample questions and memorization worksheets will be presented and discussed throughout the course.

LEED AP BD+C Topics

- Synergistic Opportunities and LEED Application Process
- Project Site Factors
- Water Management
- Project Systems and Energy Impacts
- Acquisition, Installation, and Management of Project Materials
- Stakeholder Involvement in Innovation
- Project Surroundings and Public Outreach

LEED AP O+M Overview

The LEED Accredited Professional Operations and Maintenance (LEED AP O+M) exam prep course provides students with an in-depth knowledge of the LEED O+M rating system as well as the skills required to guide and participate in integrative design and the LEED application and certification process. This course addresses whole-building cleaning and maintenance issues (including chemical use), recycling programs, exterior maintenance programs, and systems upgrades. The course prepares students to be successful on the LEED AP O+M specialty exam by explaining and demonstrating the LEED Knowledge and Task Domains associated. The course includes a complete review of LEED credits, simulated LEED O+M exam questions, and study worksheets.

LEED AP O+M Topics

- Understand the credit requirements of the LEED O+M Rating System
- Gain an Understanding of the Integrative Design Process
- Learn How to Guide Project Teams in the LEED Application Process
- Understand Documentation Requirements for a Project
- Describe Resources and Tools (such as LEED Online)
- Distinguish the Different Requirements Associated with the Establishment and Performance Periods

Additional Student Resources

- At the time of enrollment, students will receive login credentials to their Everblue Student Portal. This portal contains additional resources such as a digital student workbook, field training videos, practice exams, and additional resource documents.
- Students will receive certificates of completion from Everblue as well as certification from the Building Performance Institute, assuming they pass the exams.
- Everblue will provide support throughout and beyond the scheduled classes.

*** Students will need to bring a windows-based laptop and standard calculator for testing (if applicable).**

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Course Offerings

Green Building & Sustainability

- LEED Version 4
- LEED Green Associate Exam Prep
- LEED Project Experience
- LEED AP + Specialty Exam Prep
- LEED Credential Maintenance
- Certified Sustainability Manager

Energy Efficiency & Building Science

- BPI Building Analyst
- BPI Envelope Professional
- BPI Specialty Certifications
- BPI Building Science Principles
- RESNET HERS Rater
- Commercial Building Energy Auditor
- NATE Certification Training
- 2012 IECC
- ENERGY STAR Version 3

Renewable Energy

- Solar PV Associate
- Solar Sales Professional
- Solar PV Installer
- Solar Contractor Series
- Solar Heating Associate
- Basics of Wind