

BEYOND

SMART CITIES

LEED®IMPLEMENTATION GUIDE

FOR CONSTRUCTION PROFESSIONALS

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SUSTAINABILITY SPECIALIST ONLINE CURRICULUM COURSE

GREEN BUILDING SPECIALIST

2. SECOND SMART CITIES

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LEED PROJECT MANUAL (BD+C)

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LEARNING OBJECTIVES

LEED Project Manual for Building Design & Construction

Contractor Responsibilities

LEED Information Tools

GREEN BUILDING SPECIALIST

2. SECOND SMART CITIES

LEED PROJECT MANUAL - INTRODUCTION

- ☑ Leadership in Energy and Environmental Design (LEED) is a certification program developed by the U.S. Green Building Council for designing, constructing, and certifying green buildings.
- ☑ This manual presents a LEED implementation guide for construction practitioners to assist them in the certification process. General contractors, construction managers, and engineers can use the LEED implementation guide and directions to the contractor.
- ☑ Identify the intent and use of the LEED Project Manual. At a minimum, include details on who is intended to use the Manual, what the specific purpose of the various categories and sections are and when the Manual should be implemented and utilized.
- ☑ This manual can also assist owners interested in building a LEED certified facility.



CONTRACTOR RESPONSIBILITIES

- ☑ LEED Requirements- General project LEED Division 1 specifications section to include contractor LEED credit requirements, LEED thresholds, and required LEED Plan specifications.
- ☑ Commissioning Activities- Details and descriptions of the commissioning process for the buildings seeking LEED certification. This section should include a general overview of the commissioning process, definitions of terms and documents, and a general LEED commissioning specification section.
- ☑ Erosion and Sedimentation Control Plan- Details and descriptions of the erosion and sedimentation control plan (ESC) requirements, including those specific to Sustainable Sites prerequisite 1 - Construction Activity Pollution Prevention (SSp1). This section should include a general overview of the ESC requirements, definitions of terms, and a sample ESC plan which meets LEED credit requirements.
- ☑ Erosion and Sedimentation Control Plan Sample



CONTRACTOR RESPONSIBILITIES

- ☑ Construction Waste Management Plan - Details and descriptions of the construction waste management (CWM) requirements, including those specific to Materials and Resources credit 2 - Construction Waste Management Plan (MRC2). This section should include a general overview of the CWM requirements, definitions of terms, and a sample CWM plan which meets LEED credit requirements.
- ☑ Construction Waste Management Plan Sample
- ☑ Construction Indoor Air Quality Management Plan- Details and descriptions of the construction indoor air quality management plan (IAQ) requirements, including those specific to Indoor Environmental Quality credit 3.1 - Construction Indoor Air Quality Management Plan - During Construction (IEQc3.1). This section should include a general overview of the IAQ plan requirements, definitions of terms, and a sample IAQ plan which meets LEED credit requirements.
- ☑ Construction Indoor Air Quality Management Plan Sample



LEED INFORMATION AND TOOLS

☑ **LEED Tracking & Reporting Instructions**– Include LEED credit specific guidance and protocols for the tracking, reporting, and maintenance of LEED product and project information.

☑ **LEED Product & Material Submittal Review Process**– Detailed protocol for submittal review process, including approval of applicable product information with LEED credit specific guidance.

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☑ **LEED Material Transmittal Form**– Include template form for the collection & transmittal of LEED information. Ensure template transmittal form requests all necessary LEED material information. Include protocol for use of the transmittal form.



LEED INFORMATION AND TOOLS

☑ **LEED Tracking Worksheets**– Include template worksheets for the tracking of credit specific LEED information. Include guidance and protocols on the intended use of the tracking worksheets.

☑ **Summary of Low-Emitting Referenced Standards**– Referenced standards for threshold limits of Indoor Environmental Quality credits 4.1, 4.2, 4.3, 4.4, and 4.5 if applicable – Low Emitting Materials.

☑ **Sample Product Information**– Provide sample compliant product information and/or documentation and cutsheets for Contractor reference (e.g., carpet adhesive cutsheet with VOC content for IEAc4.1). It is recommended that the Contractor highlight or circle the applicable information on the product cutsheet for quick reference.



LEED INFORMATION AND TOOLS

☑ **LEED Definitions and Acronyms**– Provide a glossary of LEED specific and general terms and acronyms used throughout the LEED Project Manual.

☑ **LEED Project Scorecards**– LEED Scorecards for all buildings within the Phase, including a summary of current LEED credit requirements, applicable submittal phase, MDS requirements, and other notes where applicable.

☑ **LEED Requirements by Division**– Summary of the applicable LEED credits for each CSI division.

☑ **VOC Limits Table** – Provide a quick reference VOC limit table




