

Agenda

Presented by Scott Lovedahl CPE

Producing the Five Levels of Cost Estimates

- Order of magnitude (Level One)
- Schematic or conceptual design (Level Two)
- Design development (Level Three)
- Construction document (Level Four)
- Bid level (Level Five)
- Independent Government Estimate (IGE)

Construction Estimating Resources and Processes

- Estimating process
- CSI MasterFormat vs. CSI UniFormat
- Shell vs. tenant improvement breakdown
- Data resources

Estimating Labor, Equipment, Overhead and Profit

- Estimating labor costs
- Estimating for construction equipment costs
- Estimating overhead costs
- Estimating profit

Estimating Construction Materials and Services

- Earthwork and excavation
- Pavements
- Concrete structures
- Wood structures
- Steel structures
- Masonry
- Floors
- Roofing
- Interiors
- Finishes

Estimating Mechanical, Electrical and Plumbing

- Plumbing
- Mechanical
- Electrical

Using Construction Estimating Software

- Review of industry-standard software

Construction Cost Estimating
Albuquerque, NM - Friday, September 21, 2018

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Learning Objectives

You'll be able to:

Identify the levels of construction cost estimates, including design development, construction document and bid level estimates.

Discuss the estimating process and explore data resources.

Estimate labor equipment and overhead costs.

Get tips on estimating construction materials and services, including earthwork, concrete, wood, steel, plumbing and mechanical systems.

Learn about using construction estimating software.



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Review the five levels of cost estimates

Explore construction estimating resources and processes

Learn how to estimate labor, equipment, overhead and profit

Examine the process of estimating construction materials and services, including concrete, wood, steel, masonry and roofing

Get tips on estimating mechanical, electrical and plumbing on construction projects

Learn how to use construction estimating software

Continuing Education Credits

Professional Engineers

6.5 PDHs

Contractors

Non-Credit Continuing Ed.

Architects

6.5 HSW Continuing Ed. Hours

6.5 AIA HSW Learning Units



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Scott Lovedahl CPE *US General Services Administration – Public Building Services*

Mr. Lovedahl has been employed as a construction manager and estimator for GSA, responsible for developing independent government estimates (IGEs) for new construction, restorations, additions, repairs, renovations and life-cycle maintenance costs for hundreds of federal government buildings, leased spaces and related infrastructure for the past eight years. He is retired from the US Air Force with 26 years of experience in the engineering and construction profession, responsible for \$100+ million in construction management, cost estimating and superintendent activities. Mr. Lovedahl is a current member of the American Society of Professional Estimators (ASPE) and a part-time instructor for the Central New Mexico (CNM) Community College in their Applied Technology Construction Management program.

Seminar Information

Holiday Inn & Suites Albuquerque NM

1501 Sunport Place SE
Albuquerque, NM 87106
(505) 944-2255

Registration
8:00 - 8:30 am

Morning Session
8:30 am - 12:00 pm

Lunch (On your own)
12:00 - 1:00 pm

Afternoon Session
1:00 - 4:30 pm

Tuition

\$279 for individual registration

\$259 for three or more simultaneous registrations.

Each registration includes a complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

Can’t Attend?

Order the CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Additional Learning

Webinar Series

Community Solar and Rooftop Solar

- **Community Solar**
Wed., Sept. 5, 2018, 11:00 AM - 2:15 PM CDT
- **Design Your Solar Roof**
Thurs., Sept. 6, 2018, 11:00 AM - 2:15 PM CDT

Seismic Design and Construction

- **Seismology and Building Codes**
Wed., Sept. 12, 2018, 11:00 AM - 3:30 PM CDT
- **Seismic Design of Building Structures**
Thurs., Sept. 13, 2018, 11:00 AM - 3:30 PM CDT

Small Wind Energy Systems

- **Small Wind Energy System Components**
Thurs., Sept. 20, 2018, 11:00 AM - 1:00 PM CDT
- **Small Wind Energy Siting and Sizing**
Fri., Sept. 21, 2018, 11:00 AM - 1:00 PM CDT

International Green Construction Code

- **Introduction to the International Green Construction Code (IgCC)**
Thurs., Sept. 20, 2018, 11:00 AM - 12:30 PM CDT
- **Chapters 4-5: Site Development and Material Use**
Thurs., Sept. 20, 2018, 1:00 - 2:30 PM CDT
- **Chapters 6-9: Energy, Water, Environmental Quality and Building Commissioning**
Fri., Sept. 21, 2018, 11:00 AM - 12:30 PM CDT
- **Chapters 10-11: Existing Buildings**
Fri., Sept. 21, 2018, 1:00 - 2:30 PM CDT

Slope Stabilization and Landslide Prevention

- **Analyzing the Stability of Slopes**
Tues., Sept. 25, 2018, 11:00 AM - 2:15 PM CDT
- **Slope Stabilization Methods**
Thurs., Sept. 27, 2018, 11:00 AM - 2:15 PM CDT

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

Registration

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How to Register	Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____ Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____ Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred. () I need special accommodations. Please contact me.
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Complete the entire form. Attach duplicates if necessary.	

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

() **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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