



51A Middle Street Newburyport MA 01950

Phone: 800-588-7039 Fax: 877-902-4284

contact@bhfe.com

www.bhfe.com

Course Information

Course Title: Cost Management Guidebook #361520

Number of continuing education credit hours recommended for this course:

In accordance with the standards of the National Registry of CPE Sponsors CPE credits have been granted based on a 50-minute hour.

CPA: 17 (All states)

National Registry of CPE Sponsors ID Number: 107615.

Sponsor numbers for states requiring sponsor registration

Florida Division of Certified Public Accountancy: 4761 (Ethics #11467)

Hawaii Board of Accountancy: 14003

New York State Board of Accountancy (ethics): 002146

Ohio State Board of Accountancy: M0021

Pennsylvania Board of Accountancy: PX175028

Texas State Board of Accountancy: 009349

Course Description:

The *Cost Management Guidebook* shows how to stay competitive by paring away nonessential costs. It discusses how to examine the cost structure of a business in order to better understand which costs must be incurred and which can be reduced. Hundreds of specific cost reduction tips are covered in all areas of a business, including compensation, sales, production, procurement, and administration. There are extensive discussions of asset reduction techniques, as well as cost management reports and measurements. This course is the essential toolkit for anyone who is serious about managing costs.

Program Delivery Method

NASBA QAS Self-Study (interactive)

Subject Codes/Field of Study

NASBA (CPA): Finance

Course Level, Prerequisites, and Advance Preparation Requirements

Program level: Overview

Prerequisites: None

Advance Preparation: None

Course Content

Publication/Revision date: 9/22/2020.

Author: Steven M. Bragg, CPA.

Final exam: (online) Eighty-five questions (multiple-choice).

Instructions for taking this course

Note: Downloading the PDF of this course will enable Bookmarks for easier navigation (on the left side of the document window, open the bookmarks pane).

You must complete this course within one year of the date of purchase (if you do not complete the course within one year, contact us to determine whether an updated edition of the course is available, in which case we will provide you with a PDF of the updated course and the online exam at no charge).

A passing grade of at least 70% is required on the final exam for this course. You may retake the exam if you do not pass it on the first attempt (no charge).

Complete the course by following the learning objectives listed on the following page, studying the text, and studying the review questions at the end of each major section (or at the end of the course). Once you have completed studying the course and you are confident that the learning objectives have been met, answer the final exam questions (online).

Instructions for Taking the Final Exam Online

- Login to your account online at www.bhfe.com.
- Go to "My Account" and view your course.
- Select "Take Exam" for this course and follow instructions.

Additional Information

- The exam may be started, stopped, then resumed at a later date.
- The exam is "open book," it is not timed, and it may be retaken if not passed on the first attempt (no charge).
- Results (correct, incorrect answers) and certificate appear immediately upon passing the exam.

Have a question? Call us at 800-588-7039 or email us at contact@bhfe.com.

Learning Assignment & Objectives

Learning Objectives:

- Specify the advantages and dangers of having an active cost management program.
- Identify the various types of costs, and how they are used.
- Cite the applications to which direct costing analysis can be put, as well as any limiting factors.
- State the components and derivation of the cost-volume-profit concept, and how it is used.
- Identify the uses to which target costing can be put, as well as how costs can be altered to meet target costing goals.
- Specify the costs that are associated with cost objects, and the decisions that can arise from cost object analysis.
- Identify the key components of constraint analysis, and how profits can be improved under this type of analysis.
- Cite the tools used to conduct a process analysis.
- State the components of a zero-base budgeting system, and the situations in which zero-base and conditional budgeting can be used.
- Specify the analysis tools to use for different cost reduction strategies.
- Cite the types of cost reduction methods available when reducing compensation costs, and the side effects of using these methods.
- State the methods used to reduce benefit costs, and the side effects of using these methods.
- Identify the techniques available for increasing the effectiveness of sales and marketing activities, and the side effects of using these methods.
- Identify the cost reduction techniques that can be used to reduce the costs of production and maintenance operations, and the side effects of using these methods.
- Cite the key procedural steps and forms needed to maintain a proper system of procurement.
- State the range of methods available for the reduction of costs for accounting, human resources, legal services, and other areas of administration.
- Identify the cost reduction tactics available for managing facilities costs.
- Specify the methods used to reduce finance costs.
- Cite the range of techniques used to reduce the investment in accounts receivable, and the situations in which they are most applicable.
- State the cost reduction concepts used to reduce the level of inventory, and the situations in which they are most applicable.
- Identify the analysis methods used to evaluate prospective investments in fixed assets, as well as alternative forms of payment for these assets.
- Discuss the reasoning behind having a post-implementation review.
- Identify the key reports and report formats needed to support a system of cost management, and the situations in which these reports might be used.
- Cite the most essential measurements used to evaluate the cost structure of a business, and the situations in which these measurements might be used.

About the Author

Steven Bragg, CPA, has been the chief financial officer or controller of four companies, as well as a consulting manager at Ernst & Young. He received a master's degree in finance from Bentley College, an MBA from Babson College, and a Bachelor's degree in Economics from the University of Maine. He has been a two-time president of the Colorado Mountain Club, and is an avid alpine skier, mountain biker, and certified master diver. Mr. Bragg resides in Centennial, Colorado. He has written the following books and courses:

Copyright © 2020 by AccountingTools, Inc. All rights reserved.

Published by AccountingTools, Inc., Centennial, Colorado.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, except as permitted under Section 107 or 108 of the 1976 United States Copyright Act, without the prior written permission of the Publisher. Requests to the Publisher for permission should be addressed to Steven M. Bragg, 6727 E. Fremont Place, Centennial, CO 80112.

Limit of Liability/Disclaimer of Warranty: While the publisher and author have used their best efforts in preparing this book, they make no representations or warranties with respect to the accuracy or completeness of the contents of this book and specifically disclaim any implied warranties of merchantability or fitness for a particular purpose. No warranty may be created or extended by written sales materials. The advice and strategies contained herein may not be suitable for your situation. You should consult with a professional where appropriate. Neither the publisher nor author shall be liable for any loss of profit or any other commercial damages, including but not limited to special, incidental, consequential, or other damages.

For more information about AccountingTools® products, visit our Web site at www.accountingtools.com.

Table of Contents

Chapter 1 - Overview of Cost Management	1
The Economics of Cost Management	1
How Costs Increase.....	2
Advantages of Cost Management	3
The Cost Management Environment.....	4
The Customer Service Conundrum.....	5
The Effects of Cutting Too Deep.....	6
A Note of Caution.....	6
Chapter 2 - Types of Costs.....	9
Fixed Costs.....	9
Variable Costs	10
Mixed Costs	10
Step Costs.....	12
Marginal Costs	12
Differential Costs	13
Discretionary Costs	13
Committed Costs.....	13
Sunk Costs	14
Chapter 3 - Direct Costing as an Analysis Tool	16
Overview of Direct Costing	16
Contribution Margin versus Gross Margin	17
Direct Costing as an Analysis Tool.....	18
Automation Investments.....	18
Cost Reporting.....	19
Customer Profitability	20
Profit-Volume Relationship.....	21
Outsourcing	23
Direct Costing Pitfalls	24
Increasing Costs	24
Indirect Costs.....	24
Relevant Range.....	25
Chapter 4 - Cost-Volume-Profit Analysis.....	27
Contribution Margin	27
Contribution Margin Income Statement.....	28
Breakeven Point	29
Margin of Safety	32
Cost-Volume-Profit Analysis.....	33
Sales Mix	35
Chapter 5 - Target Costing	38
The Basic Steps of Target Costing.....	38
Value Engineering Considerations.....	39
The Cost Reduction Program.....	40
The Milestone Review Process	41

Problems with Target Costing.....	41
The Members of a Design Team.....	42
The Role of the Accountant in Target Costing.....	42
Data Sources for Target Costing.....	43
The Product Life Cycle and Target Costing.....	44
Chapter 6 - Cost Object Analysis.....	46
Factors in Cost Object Analysis.....	46
The Assignability of Costs	47
The Customer Cost Object.....	48
The Employee Cost Object	49
The Product Cost Object.....	50
The Product Line Cost Object.....	52
The Sales Channel Cost Object.....	53
Cost Object Termination Issues.....	54
Which Cost Objects to Track	55
Chapter 7 - Constraint Analysis.....	57
Constraint Analysis Operational Terminology.....	57
Overview of Constraint Analysis	58
The Cost of the Bottleneck.....	59
Local Optimization	60
Constraint Analysis Financial Terminology	62
Constraint Analysis from a Financial Perspective	62
The Constraint Analysis Model	62
The Decision to Sell at a Lower Price.....	64
The Decision to Outsource Production	65
The Capital Investment Decision.....	66
The Decision to Cancel a Product.....	68
Chapter 8 - Process Analysis	71
Process Analysis Tools	71
Value Stream Mapping.....	71
Flowcharts	73
Run Charts.....	75
Check Sheets	75
Root Cause Analysis.....	76
Traffic Analysis.....	76
Chapter 9 - Zero-Base Budgeting.....	79
Overview of Zero-Base Budgeting	79
The Zero-Base Budgeting Process	80
Step 1 - Develop Decision Packages	80
Step 2 - Rank Decision Packages	84
Advantages of Zero-Base Budgeting	86
Problems with Zero-Base Budgeting	87
Conditional Budgeting	87
Chapter 10 - Cost Reduction Strategy	91
Failing Business Scenarios.....	91
Dealing with Unrelated Business Segments.....	91
Failing Business Model: Remain in the Same Business	93
Failing Business Model: Shift to New Model.....	94

Dealing with Expense Drift.....	96
Incorrect Cost Reduction Strategies.....	97
Chapter 11 - Compensation Cost Reduction	101
Proactive Hiring Solutions	101
Temporary Cost Reductions.....	102
Permanent Cost Reductions	104
Productivity-Based Solutions.....	107
Total Labor Cost Analysis	108
Timing of Compensation Changes.....	108
The Downsizing Process	108
Chapter 12 - Benefits Cost Reduction	112
Benefit Cost Sharing	112
Benefit Reductions.....	113
Benefit Limitations	114
Benefit Exclusions	115
Benefit Swaps	115
Benefit Aggregation Concepts	115
Benefit Terminations.....	116
Workers' Compensation Issues.....	116
Corporate Wellness Programs.....	117
Training Benefits	117
Eligibility Audits.....	119
Benefit Cost Administration	119
Other Cost Management Concepts.....	120
Chapter 13 - Sales and Marketing Effectiveness	123
Sales Effectiveness Improvements.....	123
Marketing Effectiveness Improvements.....	126
Customer Service Issues	127
Product Return Issues.....	128
Raise Prices.....	129
Chapter 14 - Production and Maintenance Cost Reduction	131
Production Cost Reduction	131
Complexity Reduction.....	131
Manufacturing Systems	132
Production Cells	133
Production Line Issues	135
Shift Issues	135
Quality Issues	136
Bottleneck Analysis.....	136
Outsourcing Issues	137
Inventory Reduction	137
Administrative Issues	138
Maintenance Cost Reduction	138
Equipment Maintenance.....	139
Maintenance, Repair, and Operations Procurement	139
Chapter 15 - Procurement Cost Reduction	144
Purchase Requisition Procedure.....	144
Purchasing Procedure.....	148

Procurement Process Changes	152
Procurement Centralization.....	152
Supplier Relations	153
Consolidation Activities	153
Standardize Supplier Dealings.....	154
Integrate with Suppliers.....	154
Other Cost Management Opportunities.....	155
Total Cost Concept.....	156
Outsourcing Concepts	156
Spend Management.....	158
Chapter 16 - Administration Cost Reduction	163
General Administration Cost Reduction	163
Energy Cost Reduction	164
Accounting Cost Reduction	164
Accounts Payable	164
Auditing.....	166
Collections.....	166
Cost Accounting	167
Customer Billing	167
Fixed Assets	168
Payroll	169
Reporting	170
Systems.....	170
Human Resources Cost Reduction	171
If Human Resources is Supported	171
If Human Resources is Not Supported	172
Legal Services Cost Reduction	172
Information Technology Cost Reduction.....	173
Travel and Entertainment Cost Reduction	175
Chapter 17 - Facilities Cost Reduction	178
Facility Location	178
Lease Rates	179
Facility Costs	179
Facility Usage	180
Furniture and Office Equipment	181
Projecting Future Usage.....	181
Chapter 18 - Finance Cost Reduction	184
Banking Cost Management.....	184
Debt Management.....	185
Cash Management Cost Reduction	186
Investment Strategy.....	187
Leasing Cost Reduction	190
Insurance Cost Reduction	191
How to Operate with Zero Working Capital	191
Chapter 19 - Accounts Receivable Reduction	194
Credit Risk Reduction	194
Payment Guarantees	194
Title Retention.....	195
Credit Insurance	196
Factoring.....	196

Letters of Credit.....	196
Export-Import Guarantees	197
Outside Financing.....	197
Distributor Sales	197
Adjustment of Days to Pay.....	197
Collection Tactics	198
Dunning Letters.....	198
Take Back Merchandise	198
Hold Orders	198
Split Payments.....	199
Postdated Checks.....	199
Promissory Note	199
Arbitration	199
Attorney Letters.....	200
Issue Small Claims Court Complaint	200
Collection Agency.....	200
Money Judgment Collection Activities	200
Chapter 20 - Inventory Reduction	203
The Cost of Inventory	203
Product Planning.....	204
Purchasing and Receiving.....	205
Inventory Storage.....	206
Production.....	207
Fulfillment.....	207
Distribution	208
Inventory Disposition.....	209
Inventory Management Practices	209
Chapter 21 - Capital Budgeting Decisions.....	212
Overview of Capital Budgeting	212
Bottleneck Analysis	213
Net Present Value Analysis.....	214
The Payback Method	215
Capital Budget Proposal Analysis.....	216
The Outsourcing Decision	217
The Post Installation Review	218
The Lease or Buy Decision	219
Chapter 22 - Cost Management Reports	222
Expense Reporting	222
Payroll Reporting	223
Margin Reporting.....	224
Spend Reporting.....	227
Responsibility Reporting.....	228
Cost Reduction Opportunity Reporting.....	229
Chapter 23 - Cost Management Measurements.....	231
Compensation Measurements	231
Profit per Person.....	231
Proportion of Pay at Risk	232
Employee Turnover.....	233
Benefits Measurements	234
Benefits to Base Pay Ratio	234

Employee Cost Sharing as Percent of Pay.....	235
Days Away from Work	235
Sales Measurements.....	236
Sales Productivity.....	236
Sales Effectiveness	236
Quote to Close Ratio	237
Production and Maintenance Measurements.....	238
Manufacturing Effectiveness.....	238
Throughput of Post-Bottleneck Scrap	239
Order Cycle Time.....	239
Procurement Measurements	240
Procurement Card Usage Percentage.....	240
Proportion of Spend Managed.....	241
Proportion of Spend with Preferred Suppliers.....	242
Administration Measurements	243
Administration FTEs per \$1,000,000 Revenue	243
Administration Cost as Percent of Revenue	244
Transaction Error Rate	245
Facilities Measurements.....	245
Square Feet per Person	245
Cost per Square Foot	246
Finance Measurements.....	247
Proportion of Cash Invested	247
Average Interest Rate Paid in Excess of Prime Rate	248
Asset Measurements	249
Receivables Turnover.....	249
Inventory Turnover.....	250
Fixed Asset Turnover	250
Answers to Chapter Questions	253
Glossary	271
Index	275

Preface

One of the primary responsibilities of management is to ensure that costs are appropriately managed. This means that costs are focused on the primary needs of a business, and that controls are in place to keep other expenditures from taking place. In the *Cost Management Guidebook*, we explore how these analysis and control requirements can be achieved, while also including several hundred suggestions that are targeted at cost reductions throughout a business.

The *Cost Management Guidebook* gives you the tools to decide which costs are essential and which can be pared away, while also addressing the following topics:

- How can I use direct costing to analyze expenditure decisions?
- How can target costing be used to reduce the cost of a product?
- Why do certain cost objects accumulate more costs than others?
- How can I improve profitability by analyzing constraints?
- What specific strategies can I use to reduce costs?
- How can I put a lid on the costs of compensation and benefits?
- What are the techniques for enhancing the effectiveness of sales and marketing?
- What is the best process flow to reduce the total cost of procurement?
- How can I reduce the cost of company financing arrangements?
- What decision path should I follow when making capital budgeting decisions?
- Which reports and measurements can be used to support a system of cost management?

The *Cost Management Guidebook* is designed for both professional accountants and students, since both can benefit from its detailed approach to overhauling the entire system of corporate cost management. The book also provides enough specific cost reduction tips that you may spend years using them to drive down costs. As such, it may earn a place on your bookshelf as a reference tool for years to come.

Centennial, Colorado
September 2020