

Index

- Absorption costing, 195–197, 216–219, 221, 338–345, 350, 351, 353. *See also* Activity-based cost management (ABC/M)
- Accounting
- absorption accounting, 338, 341, 342, 345. *See also* Absorption costing; Activity-based cost management (ABC/M)
 - activity accounting, 150
 - cost accounting, 261, 341, 681, 727. *See also* Cost-accounting systems for manufacturing
 - financial, 340
 - for leases, 459, 547–549, 552–560, 565, 579. *See also* Leasing
 - managerial, 337–341, 354
 - predictive. *See* Predictive costing
 - software, 181–185
- Accounting systems. *See also* Enterprise resource planning (ERP)
- automated, 181
 - calculations, 183–185
 - as model, 757
 - program budgeting (PB), 759–761, 765
 - spreadsheets compared, 183, 184
- Accounts payable
- appraisal information, 121
 - balance-sheet budget, 582, 583, 585, 612–614
- Accounts receivable
- appraisal information, 121, 123
 - balance-sheet budget, 582, 583, 595–598, 622, 633
- Accrued liabilities (expenses)
- balance-sheet budget, 582, 616, 617, 630, 631
 - volunteer hours, 810
- Accumulated earnings tax, 797–799
- Acquisition premiums, 119, 138. *See also* Valuation
- Action plans, 37, 67, 102, 108, 150, 151, 153, 155, 156, 401, 404, 446, 678, 695
- Activity-based budgeting (ABB)
- activity-based costing, 773, 774. *See also* Activity-based costing (ABC)
 - activity-based planning and budgeting, 330, 332, 335, 336, 348. *See also* Activity-based planning and budgeting (ABP/B)
 - activity targets, 769, 772, 775–778, 780–783
 - administrative-expense budget, 500
 - bill of activities, 780, 781
 - budget finalization, 787, 788
 - budget implementation, 788
 - budget reconciliation, 789, 790
 - business process improvement, 769–772, 775–783
 - defined, 771
 - elements of, 771
 - features of, 768–771
 - implementation, 20

- Activity-based budgeting (ABB) (*Continued*)
 improvement process, 787
 interdepartmental projects, 783–787
 Internet communication technology industry, 808
 need for, 336
 operational budget, 20
 and organizational culture, 770, 772, 773
 overview, 767, 768, 790
 performance reporting, 788–790
 planning guidelines, 783
 principles of, 771, 772
 process, 774, 775
 process management, 772
 strategy and budgeting, linking, 775, 776
 traditional budgeting, problems with, 768–770
 workload determination, 781–783
- Activity Based Budgeting Project Team (CAM-I), 346
- Activity-based cost management (ABC/M)
 and activity-based costing, 334–336
 and activity-based planning and budgeting (APB/B), 334–337, 345, 346, 354
 cost assignment, 338
 as form of absorption accounting, 341
 and historical financial data, 341–344
 and problems with traditional budgeting, 331–334, 336
 and resource capacity, 337–340
 software, 337, 346
- Activity-based costing (ABC). *See also* Activity-based cost management (ABC/M)
 and activity-based planning and budgeting, 331
 administrative-expense budget, 500, 504, 506
 budgeting software capabilities, 191, 192
 cost estimating, 335, 336
 features of budgeting based on, 75
 generally accepted accounting principles (GAAP) compared, 773, 774
 need for, 336
 procurement process, 511
 procurement process budget, 517, 518
 purchasing department budget, 511, 518
 sales and marketing budget, 384
 as traditional budget replacement, 72
- Activity-based management (ABM), 72, 157, 331, 402, 661, 782. *See also* Activity-based cost management (ABC/M)
- Activity-based planning (ABP)
 and activity-based planning and budgeting, 330. *See also* Activity-based planning and budgeting (ABP/B)
 budgeting software capabilities, 191, 192
- Activity-based planning and budgeting (ABP/B)
 and activity-based budgeting (ABB), 330, 332, 335, 336, 348
 and activity-based cost management (ABC/M), 334, 336, 337, 345, 346, 354
 and activity-based costing (ABC), 331, 335, 336. *See also* Activity-based costing (ABC)
 alternative methods of cost estimating, comparing, 352–354
 as alternative to traditional budgeting, 330–332, 336, 337, 345, 346
 capacity planning, 345–350
 early views of, 337
 predictive cost estimating, 344, 345, 350
 and resource capacity, 337–340, 345, 346
 risk conditions, 350–352
 software, 191, 192, 346, 355
- Activity-based resource planning (ABRP), 346
- Activity function deployment (AFD), 776, 778, 779
- Activity ratios, 124–125
- Actual costing, 222–226, 231, 236, 237
- Adjustments
 normalization, 123, 124
 to value, 136–141

- Administrative-expense budget
 - activity-based costing, 506
 - administrative charge-backs, 505
 - allocation of expenses, 494
 - benchmarking, 506
 - effectiveness-related expenses, 495–498, 502–505
 - efficiency-related expenses, 495–498, 502, 503, 505
 - factors impacting, 502, 503
 - functions included in, 495–497
 - human resources expenses, 497
 - hybrid transfer costing, 505
 - managing, 494, 504–506
 - operating budget compared, 497
 - outsourcing alternatives, 505
 - overview, 493, 506
 - performance measures, 505
 - preparation of, 498–502
 - and sales and marketing budget, 380
 - types of expenses, 497, 498
 - value of expenses, measuring, 494, 495, 503, 504
 - variance analysis, 504, 505
- Advertising budget
 - corporate advertising, 504, 782
 - and cost-volume-profit relationships, 357, 366
 - sales and marketing budget, 381, 382, 387, 389, 390, 394, 508
- Agents and brokers, insurance, 636, 638–640, 642, 643, 647, 651, 655, 656
- Alternative approaches
 - scenario planning, 16
 - strategic planning, 16, 45, 61, 62
 - to traditional budgeting, 72–75
- Alternative minimum tax (AMT), 550, 794, 801
- American Institute of Certified Public Accountants (AICPA), SAS 55. *See* Statement on Auditing Standards (SAS) 55, *Consideration of Internal Control in a Financial Statement Audit*
- Annual budget. *See also* Traditional budgeting
 - approaches to, 73, 74, 77–79
 - balanced scorecard, integration with, 15–22
 - eliminating, 146, 163–165, 660
 - and forecasting, 170, 171, 178. *See also* Forecasting
 - problems with, 146–148, 161, 162, 170, 331–334, 659, 697, 767
 - program budgeting, 746
 - software, 182–185. *See also* Software and strategic planning, 42–45, 62, 70, 71
- Approaches to valuation, 125–136, 141, 142. *See also* individual approaches
- Asset acquisitions, 794, 800
- Asset approach to valuation, 125, 135, 136, 141, 142
- Asset ratio, 624, 626
- Assets
 - fixed, 584, 605–608
 - intangible, 11, 12, 59, 60, 116, 120, 136, 802
- Association for Manufacturing Excellence (AME), 395, 401
- Association for Operations Management (APICS), 401
- At-risk rules, 799, 800
- Audits
 - external auditors, 95, 96
 - financial statements, 123
 - insurance premiums, 653
 - internal audit, 95, 386, 496, 497
 - internal controls, evaluation of. *See* Internal control
 - reengineering audits/studies, 739, 751, 765
 - Statement on Auditing Standards (SAS) 55, 93, 94, 96, 97
- Automobile manufacturers, 403, 404
- Balance sheet
 - accounts, 582
 - budget. *See* Balance-sheet budget
 - calculations, 190–192
 - changes in, analysis of, 628–633
 - economic value-added, 285, 287, 290, 292, 295, 296
 - forecasting, 87
 - inventory value, 193

Balance sheet (*Continued*)

leasing, implications of, 545–550, 552, 554, 555, 579. *See also* Leasing

pro forma, 757

Balance-sheet budget

- accounts payable, 585
- accounts receivable, 595–597
- accrued liabilities, 616
- balance sheet accounts, 582
- budget system checklist, 588–591
- calculations, 190–192
- capital structure, responsibility for, 585–587
- cash balance, 619, 620
- cash budget, 587, 588, 595
- cash shortfalls, remedying, 620
- cash sufficiency, 620, 621
- changes in balance sheet, analysis of, 628–633
- described, 582
- equity accounts, 617–620
- financial assets, responsibility for, 583, 584
- financial budgets, preparing, 588–591
- financial budgets, types of, 587, 588
- financial ratio analysis, 620–623
- fixed assets, 584, 605–608
- format, 588
- income taxes, 585, 614–616
- inventory, 584, 597–605
- liabilities, 584, 585, 616, 617
- notes payable, 585, 608–611
- overview, 581
- prepaid expenses, 605
- preparing, 591–620
- profit budget, 587
- purpose of, 582, 588
- responsibility for, 583–587
- spreadsheets, use of, 591
- trade payables, 611–614
- use of, 82, 83

Balanced scorecard-based budgeting. *See also* Balanced scorecards

- budgeting for balanced scorecard measures, 37
- case study (Pareto Inc.), 28–34

- corporate performance management, 661. *See also* Corporate performance management (CPM)
- limitations of, 148, 157
- measurement, 34–37
- performance management, 38, 39, 148
- performance reviews, 150
- and strategic planning, 148
- use of, 157

Balanced Scorecard Collaborative, 27, 28

Balanced scorecards

- and annual planning process, 14–22
- and budgeting. *See* Balanced scorecard-based budgeting
- cascading, 12, 13
- cause-and-effect diagram, 30. *See also* Strategy maps
- as continuous strategic management tool, 14, 22–24
- customer perspective, 4, 6, 12, 30, 31
- elements of, 5–11
- execution targets, 5, 8, 9, 14, 18
- financial perspective, 3, 4, 6, 12, 30, 31
- history of, 3, 26, 806
- implementation, 13, 14
- integration with planning and performance, 14–22
- internal perspective, 4–6, 30–33
- learning and growth perspective, 4–6, 30, 33
- number of, 13
- operational and support units, development of business plan, 19–22
- operational budget alignment, 20
- overview, 3–5, 24
- and Pareto principle (80/20 rule), 27, 39
- performance measures, 5, 7, 8, 14, 17, 27
- reporting, 23, 24
- strategic budget alignment, 20–22
- strategic budgeting. *See* Balanced scorecard-based budgeting
- strategic initiatives, 5, 9, 10, 14

- strategic objectives, 5–7, 10, 13, 14, 17, 27
- strategic planning, 16–19
- strategy maps, use of, 10–13, 26–28, 37–39
- stretch targets, 8, 9
- traffic lights, 23, 38, 39
- use of by large companies, 27
- value of, 5, 24
- Ball, Ben C., 405
- Banking industry, sales and marketing budget, 394
- Bargain purchase option (BPO), 553–555
- Barriers to strategy implementation, 25, 26, 39
- Benchmarks/benchmarking
 - administrative expenses, 495, 503, 504, 506
 - advertising expense, 387
 - capital investments, 523–527
 - industry attractiveness rating, 51, 54, 55
 - marketing expense, 382, 387
 - performance, 148–150, 152, 155, 388
 - procurement process, 511, 517, 518
 - rate of return, 128
 - strategic management, 776–778
 - strategic planning as, 41
- Beyond Budgeting Round Table (BBRT), 145, 146, 157, 159, 162, 163, 165
- Bonneville Power Administration (BPA), 519–544
- Borealis A/S, 148, 149
- Bottom-up planning and budgeting, 18, 76–78, 80, 81, 89, 150, 384, 498, 501, 502
- Bracket budgeting
 - annual planning, use in, 700, 719, 720
 - benefits of, 720–722
 - budget centers, 698, 699
 - budgetary control, 699, 700
 - commitment to, 698, 699
 - complexity, 698–700
 - consolidating income statements, use in, 720, 721
 - controllability, 698
 - overview, 697, 698, 722
 - profit plan, 699, 700
 - sales and marketing budget, 389, 391
 - tactical budgeting model, 700–719
 - uncertainty, measuring, 698, 707, 708
 - use of, 698
- Break-even analysis
 - break-even chart, 252–254, 360
 - break-even point, 205, 207, 250, 252, 257, 360–363, 365, 366, 372, 375, 390, 808
 - cost-accounting systems for manufacturing, 198, 205–215
 - cost behavior, 360–366, 371, 372, 375
 - fixed costs, 250–253, 261, 390
 - Internet communication technology industry, 807, 808
 - margin of safety, 207, 252
 - price/volume chart, 254, 255
 - sales and marketing budget, 389, 390
 - semivariable costs, 251, 252
 - use of, 249, 250
 - variable costs, 198, 250–252
- Brimson, James A., 402
- BSC. *See* Balanced scorecards
- Budget components, 81–83
- Budget cycle, 79–81, 170
- Budget manager
 - budget review and analysis, 303, 305, 306
 - contribution analysis, use of, 256. *See also* Contribution analysis
 - divisional budget reviews, 299–302, 304, 305
 - roles and responsibilities of, 297, 298, 303, 304
- Budget system
 - budget consolidation and analysis, 303, 305
 - divisional budgets, 299–302, 304–306
 - graphics, use of, 306
 - overview, 297–299, 306
 - senior management review, 303, 305, 306
- Budget variances, 38, 100–102, 184, 185, 226, 228, 229, 236, 295, 296, 504, 680
- Budgeting process
 - improvement, steps for, 90, 91
 - problems with, 71, 72, 170
 - survey on, 72–86, 89, 90

- Budgeting software. *See also* Software calculations, types of, 186, 190–192
consolidation of data, 186, 192
features of, 183, 192, 303
modeling component, 186, 189
need for, 181–183
OLAP database, use of, 185–188, 192
processes, 186, 189, 190
spreadsheets, 185, 186, 192
uses of, 184, 185
- Buildup method, 131, 132
- Built-in gains tax, 794, 795
- Burden rate, 441, 481–484
- Business case, 293, 294, 296
- Business direction/concept step of
strategic planning, 44, 45, 58–60
- Business gridding, 48–50
- Business interruption insurance, 646, 652
- Business plans
audience, 104, 105, 114
business units, 294
purpose of, 103–105, 114
and strategic planning, 103, 104. *See also* Strategic planning
timeframe for, 107, 108
- Business strategy, failure to implement, 25, 26
- Business valuation. *See* Valuation
- By-products, 368, 370
- C corporations, 794–802. *See also* Taxes, budgeting for
- Calculations
accounting systems, 183, 184
general ledger, 182
spreadsheets, 184, 188–190, 192
- Capacity
idle capacity, 339, 340
idle capacity variance, 236, 247
manufacturing budgets, capacity increases, 428, 429
planning, 345–350
resource capacity, 337–340, 345, 346
- Capital, cost of. *See* Cost of capital
- Capital asset pricing model (CAPM), 130–132, 312, 313
- Capital budget, 545, 546. *See also* Leasing
- Capital investment, 380
- Capital investment review process
best practices, 523–527
Bonneville Power Administration (BPA) example, 519–544
implementation, 541–543
lessons learned, 542, 543
overview, 527–541
- Capital structure, 585–587
- Capitalization rates (cap rates), 129
- Carter, Jimmy, 677, 732, 733
- Cash balance, 619, 620
- Cash budget, 587, 588, 595
- Cash flow
calculations, 190–192
and shareholder value, 280, 281
- Cash ratio, 623, 624, 626
- Cash sufficiency, 620, 621
- Casualty insurance, 647, 648, 653–656.
See also Insurance, budgeting for
- Cause-and-effect (linkage) diagram. *See* Strategy maps
- Center for Advanced Purchasing Studies (CAPS), 517, 518
- Charitable contributions, 800
- Closely held companies, valuation of, 115, 130, 131, 133, 137, 139–141.
See also Valuation
- Committee of Sponsoring Organizations of the Treadway Commission (COSO), 806, 811, 812
- Compensation, 358. *See also* Executive compensation; Payroll costs
- Competitive analysis, 122, 123
- Computer-Aided Manufacturing—International, Inc. (CAM-I), 402
- Concertina planning, 182
- Consolidation of financial data
bracket budgeting, 720, 721
budget system consolidation and analysis, 303, 305
budgeting software, 186, 192
- Consortium of Advanced Manufacturing, International, 402
- Consortium of Advanced Manufacturing—International (CAM-I), 346, 354
- Consultants, 639, 642, 647, 655, 656

- Consumer-packaged goods industry, 393
- Contingency planning
 - bracket budgeting, 391
 - and enterprise risk management (ERM), 811
 - and forecasting process, 87
 - as part of strategic planning, 16, 68, 69
 - zero-based budgeting approach, 694
- Continuous process improvement, 511
- Contribution analysis, 255–261
- Contribution margins, 204–207, 271, 361–363, 365, 371, 372, 807
- Control environment, 94–96, 102
- Control loop, 100, 101
- Control premium, 138, 139
- Controllable costs, 366, 367
- Core competency analysis, 776–778
- Corporate culture
 - and Beyond Budgeting model, 163, 164
 - control environment, 94–96
 - high performance, 155
 - learning and growth perspective of
 - balanced scorecard, 4, 6, 17, 30, 33
 - and sales and marketing budget, 382, 383
 - and strategic planning, 109, 110
- Corporate formation considerations, 794
- Corporate performance
 - executive performance measures, 308–316
 - and financial reporting, 169
 - management. *See* Corporate performance management (CPM)
 - measuring, 308, 309
 - operating unit targets, adjusting, 324–326
 - targets, setting, 321–324
- Corporate performance management (CPM)
 - and budget process, 662–666
 - budgeting, role of, 659–661
 - and corporate value, 660
 - described, 661, 662
 - implementation of system, 670–675
 - overview, 675, 676
 - resistance to, dealing with, 669, 670
 - software, 666–669, 672, 673
 - and strategic planning, 660, 662–666
 - technology, role of, 666–669
- Corporate taxes. *See* Taxes, budgeting for
- Cost accounting, 216
- Cost-accounting systems for manufacturing
 - actual costing, 222–226, 231, 236, 237
 - break-even analysis, 198, 205–215. *See also* Break-even analysis
 - and budgeting, 193, 217, 218, 226–228, 236–243, 247
 - cost accumulation and monitoring, 219–221
 - design considerations, 194, 195
 - direct/absorption costing system, 216, 217
 - fixed costs, 195–199, 204–206, 216, 237
 - full (absorption) costing, 195–197, 217–219, 221
 - job-order costing, 195, 219–221, 224
 - labor costs, 196, 197. *See also* Labor costs
 - options, 195
 - overhead, 194–198, 201, 202, 209, 210, 212, 214–219, 221–223, 225, 228–247
 - overview, 193, 194
 - problems with, 402
 - process-costing, 219–221
 - profitability planning/analysis, 198–204, 226, 247
 - selection of, 194
 - standard costing, 222, 226–231, 236, 237
 - valuation, 221–231
 - variable (direct) costing, 195–219, 221
 - variances, 222, 231–236, 247
- Cost allocation, 370–373
- Cost analysis, 354, 355, 359, 363, 370–371

Cost behavior

activity-based costing models, 331, 334

break-even analysis, 360–366, 371, 372, 375. *See also* Break-even analysis

by-products, 368, 370

committed fixed costs, 365

contribution margins, 361–363, 365, 371, 372

controllable costs, 366, 367

cost allocation, 370–373

cost analysis, 354, 355, 359, 363, 370–371

cost-volume-profit analysis, 357, 363, 366, 375

differential cost, 369, 370

direct costs, 367, 368

discretionary fixed costs, 366

factors, 357

fixed costs, 357–366, 369, 370, 373–375. *See also* Fixed costs and forecasting, 357

incremental (differential) costs, 369, 371

indirect costs, 367

joint products, 368, 370

marginal costs, 369

noncontrollable costs, 366

overview, 357, 375

past costs (sunk costs), 368, 370

relevant costs, 368, 369

semivariable costs, 358–360, 370

semivariable costs, estimating, 373–375

variable costs, 357, 358, 361–365, 367, 369, 370, 373–375

Cost-benefit analysis, program budgeting (PB), 751–756, 758

Cost centers, 182, 185, 186, 189, 190, 192, 198, 333, 349, 663, 681, 698, 789. *See also* Bracket budgeting

Cost drivers, 174, 175

Cost-effectiveness analysis, 751–756, 758

Cost estimates. *See also* Predictive costing

high-low method, 375

least squares method, 373, 374

scatter diagrams, 373–375

semivariable costs, 373–375

Cost of capital

agency costs, 276

cost of debt, 264, 265, 268, 270, 276, 283, 475

cost of equity, 265–268, 275, 276, 283, 284, 475, 585

economic value added, 277. *See also* Economic value added (EVA)

and information quality, 276

measurement of financial performance, 265

operating unit capital charges, 315, 316

opportunity cost, 277, 283

overview, 263–265, 276, 277

and performance compensation, 309, 310

profit goals, company-wide, 268, 269

profit goals, divisional, 270–277

technology projects, 475

weighted average cost of capital (WACC), 129, 130, 268, 269, 276

Cost of debt, 129, 265, 268, 270, 276, 283, 311, 315

Cost of equity, 129, 130, 265–268, 275, 276, 284, 585

Cost of sales, 229

Cost reduction, procurement process, 515, 516

Cost-volume-price relationships

break-even analysis, 249–255. *See also* Break-even analysis

and budgeting, 261, 262

contribution analysis, 255–261

overview, 249

Cost-volume-profit analysis, 357, 363, 366, 375

Crime coverage insurance, 648

Critical-path method, 416, 463

Crown Castle International (CCI), 27, 28

Currency conversion, 192

Current ratio, 622, 626

Customer relationship management, 157, 159

- Customer service expenses, 388
- Customer surveys, 776, 777
- Data
 - industry data sources, 123, 124
 - input, control over, 99–101
 - sources of for forecasting, 177
- Databases
 - EDGAR, 133
 - OLAP. *See* Online analytical processing (OLAP)
 - relational, 186
- Davidson, William, 164
- Decentralized performance responsibility, 152–159
- Decision making
 - empowerment, 155, 156, 163–165
 - linear programming, 373
- Deductibles, insurance, 636, 638, 640, 643, 644, 646–650, 656
- Delta flow statement, 629, 632
- Deming, Edwards, 397, 425
- Depreciation. *See also* Fixed costs
 - budgeting software capabilities, 191
 - leased assets, 546, 548–550, 560–563, 567, 570. *See also* Leasing
 - tax considerations, 803
- Differential cost, 369, 370
- Direct/absorption costing system, 216, 217
- Direct costs
 - cost behavior, 367, 368
 - manufacturing budgets, 437–440
 - sales and marketing budget, 383, 384
 - technology department budget, 481–483
- Direct labor, 194, 196, 197, 219. *See also* Labor costs
- Direct material, 194, 196, 197, 204, 219. *See also* Materials
- Directors and officers (D&O) liability
 - insurance, 648, 649
- Discount for lack of control, 136–139
- Discount for lack of marketability, 136, 137, 139–141
- Discount rates
 - buildup approach, 131, 132
 - capital asset pricing model (CAPM), 130–132
 - in capital budgeting, 475
 - capital investment analysis, 530, 531, 534, 540, 543
 - cost of equity capital, 275, 283, 475. *See also* Cost of capital
 - defined, 129
 - elements of, 129
 - income approach, 126, 128
 - leasing, 555, 557
 - as opportunity cost, 129
- Discounted cash flow (DCF) approach, 280, 283, 284, 471, 475
- Discounts, valuation, 136–141. *See also* Valuation
- Discrete-event simulation, 352–354
- Discretionary expenses, 381, 384–388
- Discretionary fixed costs, 366
- Dividends, 797–799
- Driver-based forecasting, 173–176, 178, 185
- Drucker, Peter, 396, 581, 766
- 80/20 rule. *See* Pareto principle (80/20 rule)
- Earned-value reporting, 485–490
- Earnings before interest, taxes, depreciation and amortization (EBITDA), 127, 128, 132
- Earnings before interest and taxes (EBIT), 127, 128, 132, 135
- Earnings per share (EPS), 169, 280, 281, 310–312, 327
- Earnings projections, failure to meet, 169, 170
- Economic order quantity, 372
- Economic value added (EVA), 277, 281, 285–296, 661
- EDGAR. *See* Electronic Data Gathering and Retrieval (EDGAR) database
- Efficiency variances, 235, 236, 247
- Electronic Data Gathering and Retrieval (EDGAR) database, 133
- Employment practices liability insurance, 647, 649, 650

- Engineering budgets, 455, 462–465, 471, 477, 481. *See also* Research and development budget
- Enron, 146, 147, 161
- Enterprise resource planning (ERP), 33, 72, 181–183, 186, 661
- Enterprise risk management (ERM), 806, 811, 812
- Enterprise value, 118
- Environmental assessment. *See* Situation analysis
- Equity, cost of. *See* Cost of equity
- Equity accounts, balance-sheet budget, 617–620
- Equity interests, valuation of, 117, 127, 128, 135
- Ethics, 169
- Exception-based reporting, 23, 39
- Executive compensation
- determining, 316, 317
 - linking to budgets, 320–326
 - linking to budgets, problems with, 317–320
 - long-term incentive plans, 307, 326–328
 - measures of executive performance, 308–316
 - overview, 307, 328
 - performance management using balanced scorecards, 38
 - performance measures, 505
- Expense centers, 98
- External controls, 96
- Extra expense insurance coverage, 652
- Fair market value
- charitable contributions, 800
 - leased assets, 549, 553–555, 559
 - valuation, 118–120, 133, 136, 138, 141
- Fair value, 120, 548
- Federal income tax, 803, 804. *See also* Taxes, budgeting for
- Feedback, in strategic planning, 45, 46, 66–68
- Fiduciary/pension trust liability insurance, 647, 649, 650
- FIN 48, *Accounting for Uncertainty in Income Taxes*, 793
- Financial Accounting Standards Board (FASB). *See also* Statements of Financial Accounting Standards (FAS)
- Financial Interpretation (FIN) 48, *Accounting for Uncertainty in Income Taxes*, 793
- Statements of Financial Accounting Standards (FAS). *See* Statements of Financial Accounting Standards (FAS)
- Financial analysis, methods of for ranking technology projects, 469–475, 477
- Financial assets, 583, 584
- Financial budgets. *See also* Balance-sheet budget
- preparing, 588–591
 - types of, 587, 588
- Financial buyers, 119
- Financial control and use of budget, 77
- Financial modeling
- budgeting compared, 189
 - spreadsheets, use of, 186, 188–190, 192
- Financial planning, 77, 82
- Financial ratios
- asset ratio, 624, 626
 - balance-sheet budget, 620–628
 - budget analysis, 620–628
 - business valuation, 124
 - cash ratio, 623, 624, 626
 - current ratio, 622, 626
 - leverage, 623–625
 - liquidity, 622, 623
 - overview, 620–622
 - profitability, 625–628
 - quick ratio, 622, 623, 626
 - return on equity, 625, 626
- Financial reporting, accountability, 169, 170
- Financial statements
- adjustments to, 123
 - analysis, 123–125
- First-in, first-out (FIFO), 222, 224–226, 229, 585, 795, 803

- Fixed assets, 584, 605–608
- Fixed costs
 - allocation of, 259–261
 - balance-sheet budget, 606
 - in break-even analysis, 250–253, 261, 390
 - committed, 366
 - in contribution analysis, 259, 260
 - controllable, 366, 769
 - cost-accounting systems for
 - manufacturing, 195–199, 204–206, 216, 237
 - cost behavior, 357–366, 369, 370, 373–375
 - discretionary, 366
 - manufacturing, 195–199, 204–206, 216, 237, 430, 441
 - normal burden rate, 441
 - period costs, 441
 - programmed costs, 441
 - step-fixed costs, 349
 - terminology, 769
 - unabsorbed burden, 441
- Fixed efficiency variance, 235, 236
- Forecasting
 - best practices, 170–178
 - budgeting compared, 170
 - cost behavior, 357. *See also* Cost behavior
 - costs. *See* Predictive costing
 - driver-based, 173, 174, 185, 175, 176, 178
 - earnings projections, failure to meet, 169, 170
 - overview, 71, 72
 - process improvement, steps for, 90, 91
 - roles and responsibilities, 175–177, 179
 - rolling forecasts, 171–174, 176, 178, 182
 - sales and marketing budget, 389, 390
 - spreadsheets, use of, 177, 182
 - strategic planning compared, 41, 42
 - survey on, 72, 73, 86–90
 - technology, 177–179
 - training and skills required, 175–177
 - and valuation, 124, 126, 127
- Forms, use of, 297, 299
- Foster, Richard, 404
- Freemium strategies, Internet
 - communication technology industry, 806, 808, 809
- Fringe benefits, 123, 196, 238, 239, 243, 802
- Full-cost method, sales and marketing budget, 383, 384
- Full (absorption) costing, 195–197, 217–219, 221
- Gantt charts, 463, 477, 479, 480
- General ledger, 177, 181–185, 189, 190, 198, 245, 333, 349, 417
- Generally accepted accounting principles (GAAP), 123, 340, 341, 549, 651, 773, 774
- Goals. *See also* Objectives
 - and budgeting, 297
 - profit goals, 199, 268–276, 590
 - sales and marketing budget, 383
 - strategic, 9, 19, 21, 91, 151, 157, 170, 178, 408, 409, 660, 662, 663, 667
- Going-concern basis appraisal, 120, 136
- Governance, 155
- GPK marginal cost analysis, 354
- Gridding. *See* Business gridding
- Guardian Industries Corporation, 163–165
- Guideline company method, 133–135
- Hiese, Dennis, 409
- High-low method of estimating
 - semivariable costs, 375
- Holding companies, 135, 798, 799
- Hurdle rate, 129, 130, 471
- Hybrid planning approach, 78–80
- Idle capacity, 339, 340
- Idle capacity variance, 236, 247
- Imai, Masaaki, 397
- Income approach to valuation, 125–132, 141, 142
- Income statements
 - cost of goods sold, 193, 194
 - fixed manufacturing costs, 198
 - normalization adjustments, 123
- Income taxes, 585, 614–616, 796, 803–805. *See also* Taxes, budgeting for
- Incremental budgeting, 384, 385

- Incremental (differential) costs, 369, 371
- Indirect costs, cost behavior, 367
- Industrial products industry, 393
- Industry data sources, 123–124
- Inflation, 405, 406, 408, 607, 608, 651, 767, 768
- Information systems
 - data input, 99, 100
 - decision units, 681
 - for manufacturing information, 193, 194
 - microcontrols, 96
 - program budgeting, 744, 745, 759, 760, 763, 765
 - transparency and ethics, 154, 157
- Innovation: The Attacker's Advantage* (Foster), 404
- Insurance, budgeting for
 - agents and brokers, 636, 638–640, 642, 643, 647, 651, 655, 656
 - business interruption, 646, 652
 - casualty coverage, 647, 648, 653–656
 - consultants, use of, 639, 642, 647, 655, 656
 - crime coverage, 648
 - deductibles, 636, 638, 640, 643, 644, 646–650, 656
 - directors and officers (D&O) liability, 648, 649
 - employment practices liability, 647, 649, 650
 - extra expense coverage, 652
 - fiduciary/pension trust liability, 647, 649, 650
 - insolvency of carrier, 636, 654–656
 - liability insurance, 647, 648
 - need for insurance, determining, 643–645
 - overview, 636, 637, 656
 - property insurance, 645–647, 651–654
 - risk assessment, 637, 643–645
 - risk identification, 637, 651, 652
 - risk management, 637, 638
 - self-funded insurance, 636–643, 647, 648
 - terminology, 636
 - third-party administrators (TPAs), 636, 641–643, 656
 - types of insurance providers, 638, 639, 654, 655
 - workers' compensation, 636–638, 640, 641, 647, 648, 653
- Intangible assets, 11, 12, 59, 60, 116, 120, 136, 802
- Internal control
 - auditing standards, 93
 - budgeting as control tool, 93
 - control environment, 94–96, 102
 - management control compared, 93
 - overview, 102
 - planning systems, 96–98, 102
 - reporting systems, 98–102
 - SAS 55, *Consideration of Internal Control in a Financial Statement Audit*, 93, 94, 96, 97
- Internal rate of return (IRR)
 - project financial analysis, 469, 471–473, 475
 - project risk analysis, 476, 477
- Internal Revenue Code (IRC)
 - Section 351, 794
 - Section 381, 800
 - Section 531, 798
 - Section 533(a), 798
 - Section 1374, 695
- Internal Revenue Service (IRS)
 - Revenue Procedure 75–21, 552, 553
 - Revenue Ruling 55-540, 552, 553
 - Schedule UTP, 793
 - valuation Revenue Rulings, 117
- International Accounting Standard (IAS) 17, *Leases*, 548, 552, 554
- International taxes, 802
- Internet communication technology
 - industry, budgeting issues
 - activity-based budgeting, 808
 - break-even analysis, 807, 808
 - business valuation issues, 807
 - enterprise risk management (ERM), 806, 811, 812
 - freemium strategies, 806, 808, 809
 - international considerations, 808
 - overview, 805, 806

- planning cycle issues, 807
- volunteer services, 806, 809–811
- Inventory
 - balance-sheet budget, 584, 597–605
 - balance sheet value, 193
 - first-in, first-out (FIFO), 222, 224, 225, 229, 585, 795, 803
 - just-in-time (JIT) management, 599, 600
 - last-in, first-out (LIFO), 222, 225, 229, 585, 615, 795, 803
 - material variances, 232
 - sales and marketing budget, 388
 - tax considerations, 803
 - valuation, 193, 216, 217, 222, 224, 225, 229, 243, 247, 585, 615, 795, 803
 - weighted average valuation, 222, 224, 225
 - work in process. *See* Work in process
- Invested capital, valuation, 118, 127, 128, 135
- Investment value, 119, 120
- JIT II Purchasing, 508
- Job descriptions, 38, 98, 104, 164, 407, 447
- Job-order costing, 195, 219–221, 224
- Johnson, Lyndon B., 730–732
- Joint products, cost behavior, 368, 370
- Just-in-time (JIT) inventory management, 599, 600
- Just-in-time (JIT) manufacturing, 339, 401
- Kaizen, 397
- Kaizen: The Key to Japan's Competitive Success* (Imai), 397
- Kanban, 401
- Kaplan, Robert, 3, 26–28, 30
- Key performance indicators (KPIs)
 - controls based on, 163
 - corporate performance management, 663, 664
 - and cost management, 148
 - features of budgeting based on, 75
 - and performance evaluation, 149, 150
 - procurement process, 512
 - and resource planning, 151
 - and target setting, 149
 - as traditional budget replacement, 72
- Kotter, John P., 162
- Labor costs, 196, 197, 225, 229–234, 319, 417, 434, 437–440, 480, 802, 803
- Last-in, first-out (LIFO), 222, 225, 226, 229, 585, 615, 795, 803
- Leading Change* (Kotter), 162
- Lean operations, 339
- Leasing
 - accounting (international), 547–549, 552–554
 - accounting (U.S.), 459, 547, 548, 552–560, 565, 579
 - advantages of, 549, 550
 - analysis techniques, 566–572
 - balance sheet impact, 545–547, 550
 - banks as lessors, 551, 552
 - bargain purchase option (BPO), 553–555
 - brokers, 551
 - and business strategy, 545
 - and capital budgets, 545–547, 554
 - capital leases, 546–549, 554–556, 558, 565
 - captive lessors, 550–552
 - cross-border tax transfer (double-dip lease), 548, 557, 559
 - depreciation expense, 546, 548–550, 560–563, 567, 570
 - disadvantages of, 550
 - double-dip lease, 548, 557, 559
 - equipment lease, sample form, 572–578
 - FAS 13, *Accounting for Leases*, 548, 549, 552–560, 564, 565
 - FAS 91, *Accounting for Nonrefundable Fees and Costs Associated with Originating or Acquiring Loans and Initial Direct Costs of Leases* (amendment of FAS 13, 60, and 65), 548, 552, 556, 558
 - FAS 98, *Accounting for Leases* (amendment of FAS 13, 66, and 91), 548, 552

Leasing (*Continued*)

finance companies, 552
 financial statement impact, 546
 IAS 17, *Leases*, 548, 552, 554
 independent leasing companies, 551
 insurance companies as lessors, 552
 lease analysis techniques, 566–572
 lease life greater than or equal to 75%
 of economic life, 553, 555
 lease pools, 552
 lease versus purchase analysis,
 560–563
 lessors, 550–552, 566
 minimum lease payments, 548, 549,
 553, 555, 557–559
 negotiation, 565, 566
 ninety percent rule, 548, 549, 553,
 555, 557, 559, 560, 565
 and operating budgets, 545–547, 554
 operating leases, 546–549, 552, 554,
 555, 558, 565
 overview, 579
 parties, 546
 pension funds as lessors, 552
 process, 546–549
 Revenue Procedure 75-21, 552, 553
 Revenue Ruling 55-540, 552, 553
 single-dip lease, 557, 559
 skinny-dip lease, 549, 557, 559
 software, 553
 substance tests (FAS 13), 553–560
 terminology, 553, 554
 third-party leases, 551
 Least squares method, 373, 374
 Leverage points, identifying, 59, 60
 Liabilities
 accrued, 582, 616, 617, 630, 631,
 810
 balance-sheet budget, 584, 585, 616,
 617
 Liability insurance, 647, 648. *See also*
 Insurance, budgeting for
 Linear programming, 373
 Liquidation basis appraisal, 120, 136
 Macrocontrols, 94–96
 Macros, use of in spreadsheets, 184,
 188, 189

Management by objectives (MBO), 460
 Management information system. *See*
 Information systems
 Management style, 382–384
 Management team, impact of on budget,
 108, 109
 Manufacturing budgets
 analysis, 406, 407
 capacity increases, 428, 429
 capital tools, 429, 430
 change, need for, 396–398, 403–407
 changes from past practices, 398–400
 collaboration, 402, 403
 concepts, 400, 401
 continuous processes, 430
 and continuous improvement, 397
 cost-accounting systems. *See*
 Cost-accounting systems for
 manufacturing
 cost-management system, changing to,
 402–407
 direct labor costs, 437–440
 elements of, 452
 fixed costs, 440, 441
 indirect material costs, 436, 437
 inventory, 431–434
 manufacturing research, 446
 master schedule, steps for, 412–425
 mechanical tolerances, 425, 427, 428
 overhead, 440–447
 overview, 395, 451–453
 planned action budget, 410, 411,
 452, 453
 plant engineering (buildings and
 equipment maintenance), 449, 450
 preparing, problems with, 407–410
 production requirements, determining,
 411, 412
 quality control, 447–449
 raw material requirements, 434–436
 replenishment, 431–434
 shop floor performance, 450
 total quality program, 425–431
 variable costs, 440
 variance reporting, 452, 453
 waste, 401
 work-in-process control, 450, 451
 Manufacturing-cycle efficiency (MCE), 399

- Margin of safety, 207, 252
- Marginal analysis, 389, 390
- Marginal costs, 369
- Market analysis, 110, 111
- Market approach
 - invested capital versus equity value, 135
 - merger and acquisition (direct market comparison method), 132, 133
 - methods, 132, 133
 - public guideline company method, 133–135
 - use of, 125, 132
 - valuation conclusion, 141, 142
- Market research, 111
- Marketing strategy, 111, 112
- Materials
 - actual costing, 223–225
 - direct material, 194, 196, 197, 204, 219
 - price variance, 232, 233
 - raw materials, 228, 298, 302, 319, 320, 370, 416, 417, 434–436, 497, 597, 599–603
 - standard costs, 230
 - usage variance, 233
- McLuhan, Marshall, 406
- Measurement
 - of financial performance, 265
 - and management, 146
 - performance measures, 5, 7, 8, 14, 17, 27, 34–39, 148, 308–316, 505
 - purchasing (procurement) process, 513–516
 - strategic planning step, 45, 46, 66
- Meetings, preparation for, 38, 39
- Mergers and acquisitions, valuation, 118, 120
- Mergerstat Review*, 138
- Microcontrols, 94, 96, 102
- Minority interest discount (implied), 138
- Mission statements, 108, 155, 398, 639, 780, 785
- Monte Carlo analysis, 475–477
- National Association of Purchasing Managers (NAPM), 508, 517, 518
- Net cash flow (free cash flow), 127, 128, 132
- Net operating loss deductions, 799, 800
- Net present value (NPV)
 - project financial analysis, 469, 471, 472, 474, 475
 - project risk analysis, 476, 477
- Net present worth (NPW). *See* Net present value (NPV)
- Nixon, Richard M., 731, 732
- Noncontrollable costs, 366
- Norton, David, 3, 26–28, 30
- Notes payable, 585, 608–611
- Objectives. *See also* Goals
 - characteristics of, 460
 - management by objectives (MBO), 460
 - research and development, 459–464
 - technological, 461–464
- Ohno, Taiichi, 397, 401, 428
- Online analytical processing (OLAP)
 - budgeting systems, 184–187, 192
 - reports, 177
- Operating budget
 - administrative-expense budget compared, 497
 - and balance-sheet budget, 581
 - leasing implications, 545, 546. *See also* Leasing
 - review of, 295
- Operating units, administrative charge-backs, 505
- Operational plan
 - and balanced scorecard business unit targets, 18
 - granularity in planning, budgeting, operations, and forecasting, 78
 - strategic planning, 44–46, 62–68
- Operational systems, revenue and cost drivers, 174, 175
- Operations analysis, 112–114
- Operations budget, 380. *See also* Manufacturing budgets
- Operations research, 751, 755, 756, 758
- Opportunities, 57
- Opportunity cost, 129, 277, 283
- Organizational chart, 98, 104, 109, 121, 164

- Organizational culture. *See* Corporate culture
- Organizational structure, 95
- Overhead
- and activity-based planning, 336, 346
 - administrative expense budget, 494
 - allocation, feature of budgeting
 - software, 185, 189, 190, 303
 - balance sheet budget, 590
 - bracket budgeting, 720
 - corporate, 314, 315, 324, 325, 720
 - divisional goals, 271
 - government reimbursement policies, 550
 - manufacturing, 194–198, 201, 202, 209–225, 228–247, 402, 431–434, 440–447, 452
 - operational budget, 20
 - research and development budget, 481, 482, 484
 - and zero-based budgeting, 147, 679, 680, 691, 692, 694
- Pallante, Thomas, 409
- Pareto, Vilfredo, 27, 38, 465, 701. *See also* Pareto principle (80/20 rule)
- Pareto principle (80/20 rule), 27, 37, 39, 465, 701, 728
- Passive activity losses, 799, 800
- Past costs (sunk costs), 363, 370
- Payback period, technology projects, 469, 471
- Payroll costs
- fringe benefits, 196, 238, 239. *See also* Fringe benefits
 - as part of labor cost, 196
 - taxes, 109, 196, 802
- Payroll taxes, 802
- PB. *See* Program budgeting (PB)
- Performance indicators
- key performance indicators. *See* Key performance indicators (KPIs)
 - lagging, 5, 35, 36, 38, 91, 148
 - leading, 35, 37–39, 152, 173, 178, 390, 663, 664
- Performance management
- adaptive process, 148–153
 - balanced scorecard, use of, 3, 14. *See also* Balanced scorecard-based budgeting
 - Beyond Budgeting model, 162–165
 - corporate performance. *See* Corporate performance
 - decentralizing performance responsibility, 152–159
 - performance indicators. *See* Performance indicators
 - relative performance, 152, 162
 - and use of budget, 77
 - without budgeting, 152, 154, 155
- Performance measures. *See also* Performance indicators
- and administrative-expense budget, 505
 - balanced scorecard measures, 5, 7, 8, 14, 17, 27, 34–39, 148
 - and incentive compensation, 308–316
- Performance reviews, 148, 150, 155, 298, 306
- Personal holding company tax, 798, 799
- Personal service corporations, 797
- Peters, Robert, 404, 405, 408
- Planning cycle, Internet communication technology industry, 807
- Planning systems, 96–98
- Predictive costing
- activity-based planning and budgeting (ABP/B). *See* Activity-based planning and budgeting (ABP/B)
 - methods, framework for comparing, 352–354
 - need for, 329, 330
 - process-simulation-based, 330
- Premiums, 119, 130–132, 136–138. *See also* Valuation
- Prepaid expenses, 605
- Present value (PV), project financial analysis, 471, 473–475
- Pricing adjustments, 385, 386
- Pricing techniques, 389, 391, 392
- Process-costing, 219–221
- Product development
- capabilities, 514, 515
 - costs, 387, 388

- Product life cycles, 147, 172, 319, 389, 456, 457, 459, 659
- Product profitability. *See* Profitability planning/analysis
- Professional organizations, valuation, 116, 117
- Profit budget, 587
- Profit centers, 98, 271, 288, 494, 505, 551, 688, 698, 720, 727
- Profit goals, 199, 268–276, 590
- Profit/sales relationship, 455, 456
- Profitability index (PI)
 - project financial analysis, 469, 471, 472, 475
 - project risk analysis, 476, 477
- Profitability planning/analysis
 - and cost of capital. *See* Cost of capital manufacturing, 198–204, 226, 247
- Program budgeting (PB)
 - accounting system, 760
 - cost-benefit analysis, 751–756, 758
 - cost-effectiveness analysis, 751–756, 758
 - described, 724–728
 - framework, 734–747
 - history of, 723, 724, 728–734
 - implementation, 761, 762
 - information system, 759, 760
 - modeling, 757, 758
 - operations research, 751, 755, 756, 758
 - overview, 723, 724, 763–766
 - program structuring, 747–751
 - sensitivity analysis, 758
 - staffing considerations, 762, 763
 - systems analysis, 751, 752, 756, 758, 759
- Program evaluation and review (PERT), 416, 463, 477, 479
- Project management, 159, 465, 477, 488–491, 540, 729, 763. *See also* Research and development budget
- Property, plant, and equipment (PPE)
 - additions to, business case for, 293
 - leasing. *See* Leasing
- Property insurance, 358, 645–647, 651–654. *See also* Insurance, budgeting for
- Property taxes, 358, 802
- Public Company Accounting Oversight Board (PCAOB), 169
- Public guideline company method, 133–135
- Purchasing department budget, 507–509. *See also* Purchasing (procurement) process approach
- Purchasing (procurement) process approach
 - benefits of, 511
 - budget, 509, 511, 517, 518
 - components of procurement process, 510
 - described, 507
 - key performance indicators, 512
 - measures, role of, 512, 513
 - process defined, 509
 - process measures, 513–516
 - and purchasing department budget, 507–509
 - suppliers, 508, 509, 512–514
- Purchasing process (procurement)
 - budget, 507, 509–518
- Quick ratio, 622, 623, 626
- Raw materials, 228, 298, 302, 319, 320, 370, 416, 417, 434–436, 497, 597, 599–603
- Regulatory compliance, 96
- Relevant costs, 368, 369
- Reporting systems
 - accuracy of, 298
 - claims and exposure information, 642
 - and internal control, 94, 96–101
 - monitoring, 46
 - monthly reports from operating groups, 306
 - and program budgeting, 760
 - and strategic planning, 67, 68, 96
- Research and development
 - budget. *See* Research and development budget
 - business case, 293
 - and future growth and profits, 455, 456
 - industry spending, 456–458

- Research and development budget
 - departmental budget, 481–484
 - engineering budgets, 455, 462–465, 471, 477, 481
 - managing, 484–490
 - objectives, setting, 459–464
 - product life cycles, 456, 457, 459
 - project budgets, coordinating, 490, 491
 - risk analysis, 459
 - and sales and marketing budget, 380
 - and scheduling, 477–481
 - strategic planning, 456–458
 - technological budget, 463–481
 - and total budgeting process, 455–459
- Research and information gathering, 120–123
- Resource allocation, 294
- Resource capacity, 337–340
- Resource consumption accounting (RCA), 331, 354
- Resource planning without budgeting, 150, 151
- Responsibility centers, 98, 100–102, 198, 225, 500
- Retail industry, 393, 394
- Retirement plans, tax considerations, 801
- Return on capital employed (ROCE), 164, 311, 312, 314, 319
- Return on equity (ROE), 130, 266, 267, 280, 281, 310–315, 318, 322–325, 327, 405, 567, 568, 570–572, 625–626
- Revenue centers, 98
- Revenue drivers, 173–175
- Reverse engineering, 776, 779, 780
- Risk analysis, 475–477
- Risk assessment
 - COSO framework, 811, 812
 - insurance, 637, 643–645
- Risk identification, 637, 651, 652
- Risk management, 637, 638
- Risk premiums, 130–132, 275, 313
- Robert Morris Associates (RMA) Annual Statement Studies, 124
- ROI—Practical Theory and Innovative Applications* (Peters), 404
- Rolling-forecast budgeting, 72, 75
- Rolling forecasts, 171–174, 176, 178, 182
- S corporations, 794–797, 799. *See also* Taxes, budgeting for
- Sales and marketing budget
 - advertising budget, 387
 - banking industry, 394
 - bracket budgeting, 389, 391
 - break-even analysis, 389, 390
 - budget process overview, 379–384
 - consumer-packaged goods industry, 393
 - customer service expenses, 388
 - direct-cost method, 383, 384
 - discretionary expenses, 381, 384–388
 - forecasting, 389, 390
 - full-cost method, 383, 384
 - goal setting, 383
 - incremental budgeting, 384, 385
 - industrial products industry, 393
 - and management style, 382–384
 - marginal analysis, 389, 390
 - operating factors, 382, 383
 - and organizational culture, 382, 383
 - overview, 379, 380, 394
 - performance tests, 389, 392
 - physical distribution, 388
 - pricing adjustments, 385, 386
 - pricing techniques, 389, 391, 392
 - product development costs, 387, 388
 - product life cycle analysis, 389
 - retail industry, 393, 394
 - sales promotion expense, 386, 387
 - selling expense, 386
 - sensitivity analysis, 389–391
 - special considerations, 385–388
 - strategic plan, linking to, 380, 381
 - tools and techniques, 389–392
- Sales promotion expense, 386, 387
- Sales tax, 803, 804
- Sarbanes-Oxley Act, 25, 169
- Scatter diagrams, 373–375
- Scenario planning, 16
- Securities and Exchange Commission (SEC), EDGAR database, 133
- Segment analysis, 110, 111

- Self-funded insurance, 636–643, 647, 648. *See also* Insurance, budgeting for
- Selling expense, 386
- Semivariable costs, 358–360, 370, 373–375
- Sensitivity analysis, 389–391, 475, 477, 758
- Shareholder value
 - budgeting, 293–296
 - and cash flow, 280, 281
 - defined, 280, 290
 - economic value added (EVA), 277, 281, 285–296, 661
 - long-term value, 281–285, 296
 - overview, 279–281, 296
- Shingo, Shigeo, 401
- Situation analysis. *See also* Strategic planning
 - business gridding, 48–51
 - business segmentation, 48, 49, 59, 60
 - company strengths, rating, 55, 56
 - forecasts, use of, 46
 - industry attractiveness, 50–55, 60
 - key success factors, identifying, 46, 48
 - opportunities, threats, and critical issues, identifying, 57, 58
 - overview, 44
 - in strategic planning cycle, 45
 - use of, 47
- Software
 - accounting systems, 181, 183, 184
 - balance-sheet budget, 591
 - budgeting software. *See* Budgeting software
 - corporate performance management (CPM), 666–669, 672, 673
 - discrete-event simulation, 352–354
 - enterprise resource planning (ERP), 33, 72, 181–183, 186, 661
 - forecasting, 177, 178
 - modeling and budgeting calculations, 188–192
 - process calculations, 189, 190
- Sorter, George, 406, 408
- Spending variance, 235, 247
- Spreadsheets
 - accounting systems compared, 183, 184
 - balance-sheet budgets, 591
 - and budgeting software, 185, 186, 192
 - calculations, 184, 188–190, 192
 - as forecasting solution, 177, 182
 - historical background, 182
 - limitations of, 181–183, 185, 330
 - macros, 184, 188, 189
 - modeling, 186, 188–190, 192
 - “super spreadsheets,” 72
 - use of, 86, 182, 591
- Staffing considerations, 762, 763
- Standard costing, 222, 226–231, 236, 237
- Standard Industry Classification (SIC) codes, 133
- State taxes, 796, 804, 805. *See also* Taxes, budgeting for
- Statement of cash flows, 628
- Statement on Auditing Standards (SAS) 55, *Consideration of Internal Control in a Financial Statement Audit*, 93, 94, 96, 97
- Statements of Financial Accounting Standards (FAS)
 - FAS 13, *Accounting for Leases*, 548, 549, 552–558, 565
 - FAS 91, *Accounting for Nonrefundable Fees and Costs Associated with Originating or Acquiring Loans and Initial Direct Costs of Leases* (amendment of FAS 13, 60, and 65), 548, 552, 556, 558
 - FAS 98, *Accounting for Leases* (amendment of FAS 13, 66, and 91), 548, 552
- Statistical analysis, 373, 375
- Stock options, 116, 170, 307, 327
- Stocks, Bonds, Bills and Inflation* (Ibbotson), 131
- Strategic buyers, 118, 119, 133, 138
- Strategic management, 775–780
- Strategic planning
 - alternative approaches (step 3), 45, 61, 62
 - attributes of, 41
 - balanced scorecards, use of. *See* Balanced scorecard-based budgeting

- Strategic planning (*Continued*)
- business direction/concept (step 2), 44, 45, 58–60
 - business objectives, 107, 108
 - business plans, 103–105. *See also* Business plans
 - characteristics of useful plan, 70
 - components of, 107, 108
 - contingency planning, 68
 - critical success factors, 108
 - defined, 41
 - feedback (step 6), 45, 46, 66–68
 - forecasting compared, 41, 42
 - implementation problems, 69–70
 - integration with budget, 148
 - linking budget process with, 76
 - management issues, 108, 109
 - market analysis, 110, 111
 - marketing strategies, 111, 112
 - measurement (step 5), 45, 46, 66
 - mission statement, 108
 - monitoring, 112–114
 - operational plan (step 4), 45, 46, 62–66. *See also* Operational plan
 - operations analysis, 112–114
 - planning cycle, 42–44
 - process overview, 44–46
 - purpose of, 103, 104, 114
 - reporting relationships, 109, 110
 - responsibility for, 112, 113
 - role of in budgeting, 105
 - sales and marketing budget, linking to strategic plan, 380, 381
 - segment analysis, 110, 111
 - situation analysis (step 1), 44–58
 - and size of organization, 106, 107
 - task/output work plan, 112, 113
 - zero-based budgeting (ZBB), 694, 695
- Strategy maps
- case study, 28–34
 - described, 28
 - use of, 10–13, 26–28, 37–39
- Strengths, weaknesses, opportunities, and threats (SWOT) analysis, 111
- Suppliers, 508, 509, 512–514. *See also* Purchasing process (procurement) budget
- Svenska Handelsbanken, 153, 154, 159
- SWOT analysis, 111
- Systems analysis, 751, 752, 756, 758, 759
- Targets, setting without budgets, 149
- Tax attributes, 800
- Taxes, budgeting for
- accumulated earnings tax, 797, 798
 - alternative minimum tax (AMT), 801
 - asset acquisitions, 800
 - assets, sale of, 801
 - at-risk rules, 799, 800
 - built-in gains tax, 795
 - C corporations, 794–802
 - charitable contributions, 800
 - corporate formation considerations, 794
 - dividends, 797–799
 - federal income tax, 803, 804
 - FIN 48, *Accounting for Uncertainty in Income Taxes*, 793
 - and financial reporting income, 803, 804
 - income taxes, 796, 803–805
 - intangible asset taxes, 802
 - international taxes, 802
 - net operating loss deductions, 799, 800
 - overview, 793, 794
 - passive activity losses, 799, 800
 - payroll taxes, 802
 - personal holding company tax, 798, 799
 - personal service corporations, 797
 - property taxes, 802
 - retirement plans, 801
 - S corporations, 794–797, 799
 - sales tax, 803, 804
 - state taxes, 796, 804, 805
 - tax attributes, 800
 - uncertain tax positions (UTPs), 793, 804
 - underpayment penalties, 802
 - unrelated business income tax, 800
- Technology
- budget. *See* Research and development budget
 - departmental budget, 481–484

- forecasting, 177–179
- industry statistics, 456–458
- project screening, 465–470
- project selection, 465, 475, 477
- projects, prioritizing, 469, 471–475
- role of, 85, 86
- Third-party administrators (TPAs), self-funded insurance, 636, 641–643, 656
- Threats, 57
- Time conversion, 191
- Time value of money, 280, 282, 469–475, 569, 605
- Tolerance Control in Design and Manufacturing* (Wade), 427
- Top-down planning, 77, 78, 80, 384
- Trade payables, 611–614
- Traditional budgeting
 - alternatives to, 146–148
 - problems with, 145–148, 330–334, 659, 660, 678, 679
 - zero-based budgeting compared, 692, 693
- Transparency, 169
- Trigger events and contingency planning, 68
- Uncertain tax positions (UTPs), 793, 804
- Underpayment penalties, 802
- Unrelated business income tax, 800
- Valuation
 - acquisition premiums, 119, 138
 - activity ratios, 125
 - adjustments to value, 136–141
 - approaches, 125–136, 141, 142
 - asset approach, 125, 135, 136, 141, 142
 - assignment, 117–120, 141, 142
 - challenges of, 115, 116
 - closely held companies, 115, 130, 131, 133, 137–141
 - competitive analysis, 122, 123
 - conclusion, 141–143
 - cost-accounting systems for manufacturing, 221–231
 - date of, 118
 - definitions of value, 118–120
 - discounts, 136–141
 - enterprise value, 118
 - equity interests, 117, 127, 128, 135
 - fair market value, 118–120, 133, 136, 138, 141
 - fair value, 120
 - financial buyers, 119
 - financial ratios, 124
 - financial statement adjustments and analysis, 123–125
 - finished goods, 226
 - forecasts, 124, 126, 127
 - going-concern basis appraisal, 120, 136
 - income approach, 125–132, 141, 142
 - industry data sources, 123, 124
 - Internet communication technology industry, 807
 - inventory *See* Inventory
 - invested capital, 118, 127, 128, 135
 - investment value, 119, 120
 - liquidation basis appraisal, 120, 136
 - market approach, 125, 132–135, 141, 142
 - mergers and acquisitions, 118, 120
 - premiums, 119, 130–132, 136–138
 - reasons for, 116
 - research and information gathering, 120–123
 - Revenue Rulings, 117
 - risk premiums, 130–132
 - standards and professional organizations, 116, 117
 - strategic buyers, 119
- Variable costs
 - in break-even analysis, 250–252
 - cost behavior, 357–358, 361–365, 367, 369, 370, 373–375
 - manufacturing, 195–219, 221
 - semivariable costs, 251, 252
 - terminology, 769
 - variable costing, disadvantages of, 216
 - variable costing as management tool, 198–204

Variable efficiency variance, 235

Variances

analysis, 504, 505

cost-accounting systems for
manufacturing, 222, 231–236,
247

cost variances, 452

reporting, 354, 452

Volunteer services, 806, 809–811

Wade, Oliver R., 427

Wall, James, 452

Wallander, Jan, 153

Weighted average cost of capital (WACC),
129, 130, 268, 269, 276

Weighted average valuation of inventory,
222, 224, 225

Welch, Jack, 72, 161

What-if analysis, 346

Winning (Welch), 161

Wolf, Harold, 407

Work in process, 198, 219, 223,
245, 400, 416, 417, 431, 435,
450, 451

Workers' compensation insurance,
636–638, 640, 641, 647, 648, 653.

See also Insurance, budgeting for

WorldCom, 161

Zero-based budgeting (ZBB)

as alternative to traditional budgeting,
72, 147

benefits of, 694, 695

decision package, 681–695

described, 679, 680

detailed budgets, 692–694

elements of, 679

and manufacturing budget, 410

overview, 677, 678, 695, 696

problems with, 334

procedures, 680, 681

profit and loss, completion of, 689–692

ranking process, 687–689

and strategic planning, 694, 695

and traditional budgeting, problems
with, 678, 679

traditional budgeting compared,
692, 693