CHAPTER 7

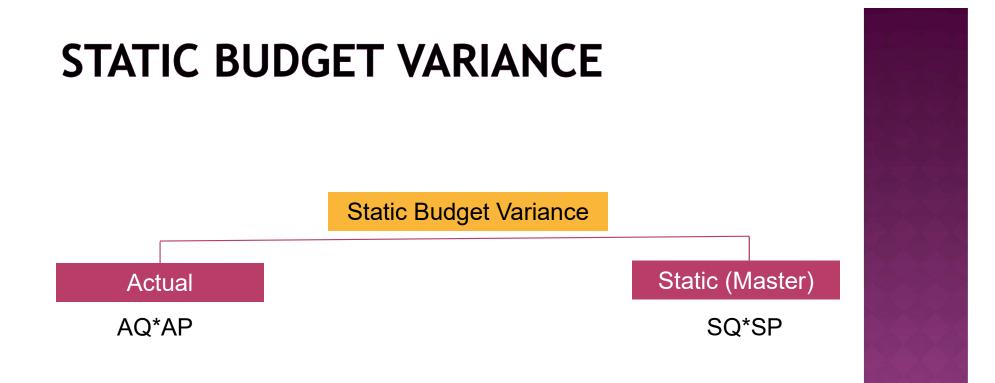
Flexible Budgets, Direct-Cost Variances,

STUDENTS-HUB.com

Uploaded By: anonymous

BASIC CONCEPTS

- Variance-difference between actual results and expected (budgeted) performance.
- Management by exception—the practice of focusing attention on areas not operating as expected (budgeted).
- Static (master) budget is based on the output planned at the start of the budget period.



Basic Concepts

- Variance—difference between actual results and expected (budgeted) performance.
- Management by exception—the practice of focusing attention on areas not operating as expected (budgeted).
- Static (master) budget is based on the output planned at the start of the budget period.

LEVEL 1 ANALYSIS, ILLUSTRATED

Level 1 Analysis

	Actual Results (1)	Static-Budget Variances (2) = (1) – (3)	Static Budget (3)
Units sold	10,000	2,000 U	12,000
Revenues	\$1,250,000	\$190,000 U	\$1,440,000
Variable costs		101 100	
Direct materials	621,600	98,400 F	720,000
Direct manufacturing labor	198,000	6,000 U	192,000
Variable manufacturing overhead	130,500	13,500 F	144,000
Total variable costs	950,100	105,900 F	1,056,000
Contribution margin	299,900 ^b	84,100 U	384,000 ^c
Fixed costs	285,000	9,000 U	276,000
Operating income	\$ 14,900	\$ <u>93,100</u> U	\$ 108,000
	•	\$ 93,100 U	•
		Ctatia hudaatuarianaa	

Static-budget variance

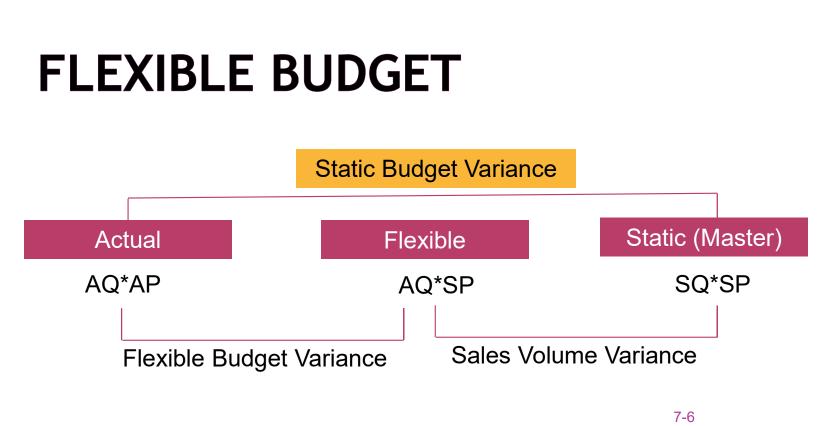
^aF = favorable effect on operating income; U = unfavorable effect on operating income.

^bContribution margin percentage = \$299,900 ÷ \$1,250,000 = 24.0%.

^cContribution margin percentage = \$384,000 ÷ \$1,440,000 = 26.7%.

FLEXIBLE BUDGET

- Flexible budget—shifts budgeted revenues and costs up and down based on actual operating results (activities)
- Represents a blending of actual activities and budgeted dollar amounts
- AQ * SP



Uploaded By: anonymous

LEVEL 2 ANALYSIS, ILLUSTRATED

Level 2 Analysis

	Actual Results (1)	Flexible-Budget Variances (2) = (1) — (3)	Flexible Budge (3)	Sales-Volume Variances (4) = (3) – (5)	Static Budget (5)		
Units sold	10,000	0	10,000	2,000 U	12,000		
Revenues	\$1,250,000	\$50,000 F	\$1,200,000	\$240,000 U	\$1,440,000		
Variable costs							
Direct materials	621,600	21,600 U	600,000	120,000 F	720,000		
Direct manufacturing labor	198,000	38,000 U	160,000	32,000 F	192,000		
Variable manufacturing overhead	130,500	10,500 U	120,000	24,000 F	144,000		
Total variable costs	950,100	70,100 U	880,000	176,000 F	1,056,000		
Contribution margin	299,900	20,100 U	320,000	64,000 U	384,000		
Fixed manufacturing costs	285,000	9,000 U	276,000	0	276,000		
Operating income	\$ 14,900	\$29,100 U	\$ 44,000	\$ 64,000 U	\$ 108,000		
Level 2	٨	\$29,100 U	▲	\$ 64,000 U	▲		
		Flexible-budget variance		Sales-volume variance			
Level 1	٨		\$93,100 U		↑		
	-	Static-budget variance					

^aF = favorable effect on operating income; U = unfavorable effect on operating income.

Copyright © 2015 Pearson Education

LEVEL 2 VARIANCES, ANALYSIS

Some possible reasons we might incur an unfavorable Sales-Volume Variance include:

- 1. Failure to execute the sales plan
- 2. Weaker than anticipated demand
- 3. Aggressive competitors taking market share
- 4. Unanticipated market preference away from the product
- 5. Quality problems

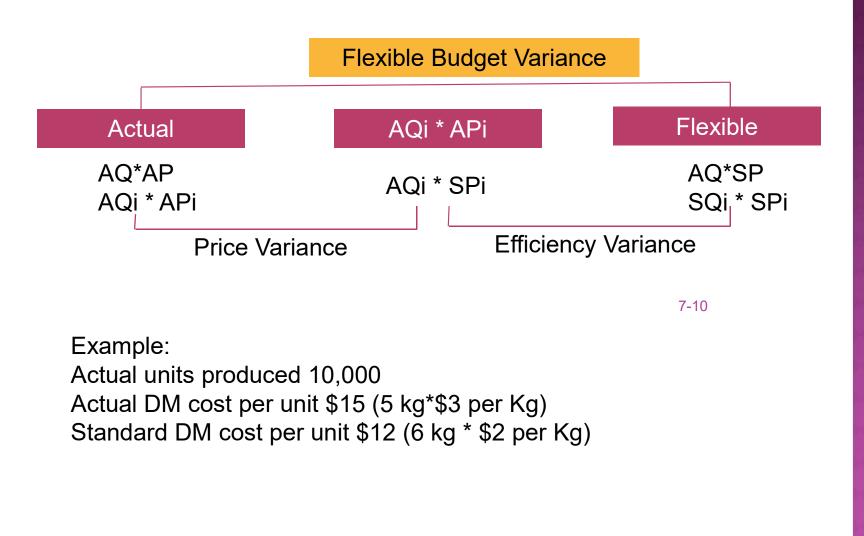
STUDENTS-HUB.com

Copyright © 2015 Pearson Education

LEVEL 3 VARIANCES

- All product costs can have Level 3 variances.
 Direct materials and direct labor will be handled next.
- Direct materials and direct labor both have price and efficiency variances, and their formulae are the same.

DM AND DL LEVEL 3 VARIANCES



STUDENTS-HUB.com

Uploaded By: anonymous

LEVEL 3 VARIANCES

• Price variance formula:

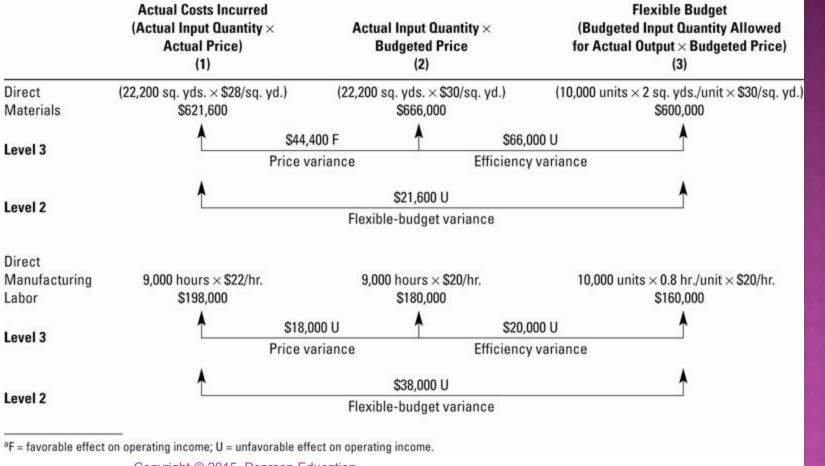
Price			Actual Price	Budgeted Price	٦	V	Actual Quantity	
Variance	=	Ì	Of Input	Of Input	ſ	Λ	Of Input	

• Efficiency variance formula:

7-11

LEVEL 3 ANALYSIS, ILLUSTRATED

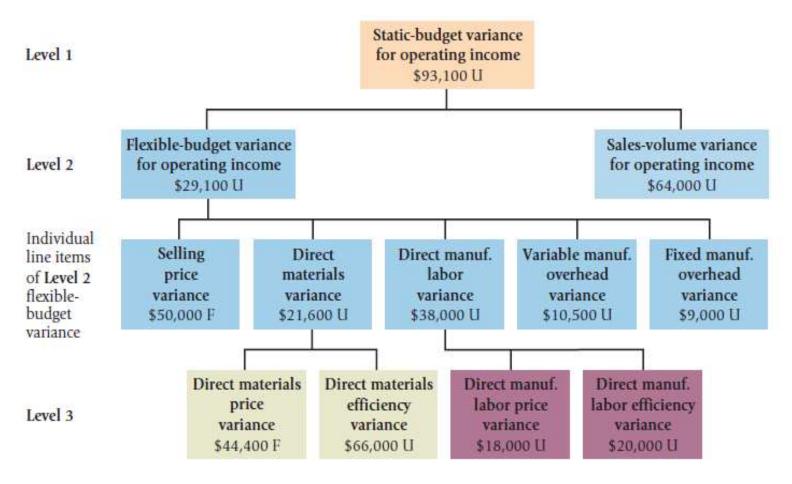
Level 3 Analysis



Copyright © 2015 Pearson Education

Uploaded By: anonymous

VARIANCE SUMMARY



Copyright © 2015 Pearson Education

7-13

STUDENTS-HUB.com

Uploaded By: anonymous

This work is protected by United States copyright laws and is provided solely for the use of instructors in teaching their courses and assessing student learning. Dissemination or sale of any part of this work (including on the World Wide Web) will destroy the integrity of the work and is not permitted. The work and materials from it should never be made available to students except by instructors using the accompanying text in their classes. All recipients of this work are expected to abide by these restrictions and to honor the intended pedagogical purposes and the needs of other instructors who rely on these materials.