

Vol. 2, Chapter 16 – Operations Budgeting

Problem 1: Solution

January 20X7		
Sales	\$100,400	
Expenses:		
Labor--fixed	\$12,000	
Labor	\$18,000	17.93%
Cost of Sales	\$36,000	35.86%
Supplies	\$ 3,200	3.19%
Energy	\$ 2,620	2.61%
Promotion	\$ 1,300	1.29%
Maintenance--fixed	\$ 2,000	
Maintenance	\$ 1,200	1.20%
Property taxes	\$ 800	
Depreciation	\$ 1,000	
Rent	\$ 850	
Insurance	<u>\$ 625</u>	
Subtotal	<u>\$79,595</u>	
Net Income	<u>\$20,805</u>	

- 1.) Sales Increase = 10%
 Fixed costs increase = 5%
 Variable costs remain the same.

January 20X8	
Sales	\$110,440
Expenses:	
Labor--fixed	\$ 12,600
Labor	\$ 19,800
Cost of Sales	\$ 39,600
Supplies	\$ 3,520
Energy	\$ 2,882
Promotion	\$ 1,430
Maintenance--fixed	\$ 2,100
Maintenance	\$ 1,320
Property taxes	\$ 840
Depreciation	\$ 1,050
Rent	\$ 893
Insurance	<u>\$ 656</u>
Subtotal	<u>\$ 86,691</u>
Net Income	<u>\$ 23,749</u>

Problem 2: Solution

Rooms Available =	100
Expected Paid Occ % =	80%
Double Room Occ % =	80%
Single Room Occ % =	20%
ADR =	\$100
Price of Double Rooms =	\$10 more than single rooms
Room Revenue =	95% of total revenue
Other Revenue =	5% of total revenue

Room Expenses:

Fixed	\$5,000
Variable	\$8 per room sold

Other Expenses:	<u>Fixed</u>	<u>Variable</u>
A&G	\$4,000	4%
Sales and marketing	\$1,000	5%
Property operation and maintenance	\$3,000	
Energy costs	\$1,000	2%
Insurance	\$2,000	
Property taxes	\$2,000	
Depreciation	\$2,500	
Interest	\$1,800	
Income tax	25% of pretax income	

80 rooms will be sold each night. 16 will be single occupied and 64 will be double occupied:

$$\begin{aligned} \$8,000 (80 \text{ rooms} \times \$100 \text{ ADR}) &= 16x + 64(x + \$10) \\ \$8,000 &= 16x + 64x + \$640 \\ \$7,360 &= 80x \\ x &= \$92.00 \end{aligned}$$

Revenue:

Rooms	$(64 \times \$102 + 16 \times \$92) \times 31$	\$248,000.00
Other Revenue	$(\$248,000 / .95) - \$248,000$	\$ 13,052.63
Total Revenues		\$261,052.63
Variable Expenses:		
Rooms	31 days 80 rooms/day \times \$8	\$ 19,840.00
A&G	4% \times total revenue	\$ 10,442.11
Sales & Marketing	5% \times total revenue	\$ 13,052.63
Energy costs	2% \times total revenue	\$ 5,221.05

Problem 2: Solution (continued)

Fixed Expenses:	
Rooms	\$ 5,000
A&G	\$ 4,000
Sales and Marketing	\$ 1,000
Property operation and maintenance	\$ 3,000
Energy costs	\$ 1,000
Insurance	\$ 2,000
Property taxes	\$ 2,000
Depreciation	\$ 2,500
Interest	\$ 1,800
Total Expenses	\$ 70,855.79
Earnings Before Tax	\$190,196.84
Income Tax (25%)	\$ 47,549.21
Net Income	\$142,647.63

Problem 3: Solution

Expected trends into 20X4:

Rooms sold: The increase for past two years has been 30 rooms sold per year. Therefore, project 2,190 rooms to be sold during 20X4.

ADR has increased by \$2 per year for the past two years. Therefore, project an ADR for 20X4 of \$51.

Projected sales for April 20X4:

April sales = projected ADR × expected number of rooms to be sold
= \$51 × 2,190 = \$111,690

Problem 4: Solution

Breakfast sales:

There are five Mondays during June and four Tuesdays-Saturdays.

Breakfast turnover × number of days × average food service check
× number of seats = breakfast sales

Breakfast

$$\begin{aligned} \text{sales} &= [(1.3 \times 5) + (1.2 + 1.4 + 1.4 + 1.3 + .5) \times 4] \times 4.25 \times 50 \\ &= \underline{\$6,311.25} \end{aligned}$$

Lunch

$$\begin{aligned} \text{sales} &= [(1.5 \times 5) + (1.3 + 1.4 + 1.2 + 1.3 + .8) \times 4] \times 6.85 \times 50 \\ &= \underline{\$10,788.75} \end{aligned}$$

Dinner

$$\begin{aligned} \text{sales} &= [(.5 \times 5) + (.6 + .6 + .5 + 1 + 1.5) \times 4] \times 10.50 \times 50 \\ &= \underline{\$10,132.50} \end{aligned}$$

Problem 5: Solution

1. Budget variance = actual sales - budgeted sales

	<u>Meals</u>	<u>Price</u>	<u>Total</u>
Budget	3,000	\$5.50	\$16,500.00
Actual	3,200	5.75	<u>18,400.00</u>
Budget variance			<u>\$ 1,900.00</u>

2. Volume variance = difference in meals × budgeted price
Volume variance = 200 × \$5.50 = \$1,100.00
3. Price variance = diff. in price × budgeted meals to be sold
Price variance = \$.25 × 3,000 = \$750.00

Problem 6: Solution

Budget	\$5,000 and 4%
Fixed Expenses	\$100 only
Variable Expenses	\$500 and 2%

	<u>Budget</u>	<u>Actual</u>	<u>\$ Variance</u>	<u>% Variance</u>	<u>S/NS</u>
Room Sales	\$200,000	\$196,000	-\$4,000	- 2.00%	NS
Food Sales	\$ 50,000	\$ 56,000	\$6,000	12.00%	S
Cost of Food Sold (V)	\$ 15,000	\$ 16,000	-\$1,000	- 6.67%	S
Labor (F)	\$ 10,000	\$ 9,700	\$ 300	3.00%	S
Labor (V)	\$ 15,000	\$ 15,200	-\$ 200	- 1.33%	NS
Supplies (V)	\$ 2,500	\$ 2,700	-\$ 200	- 8.00%	NS
Franchise Fees (V)	\$ 4,000	\$ 4,480	-\$ 480	-12.00%	NS
Depreciation (F)	\$ 6,000	\$ 6,000	\$ 0	0.00%	NS
Insurance (F)	\$ 2,000	\$ 2,050	-\$ 50	- 2.50%	NS
Property taxes (F)	\$ 3,000	\$ 3,000	\$ 0	0.00%	NS

Problem 7: Solution

1. Budget Variance
Budgeted \$ 8,400.00
Actual \$ 8,892.00
Variance \$ (492.00) (U)
2. The budget variance is significant. Variable wages were 5.8% higher than budgeted and were \$492 over the budgeted amount.
3. John did a good job managing the room attendants because the room attendants averaged 2.0175 rooms per hour worked and were paid \$0.20 less per hour than budgeted. This translates into savings of \$310 in variable wages for the month of June.

Calculations:

$$\begin{aligned}RV &= (8.00 - 7.80)(1150) = 230 \text{ (F)} \\EV &= (1150 - 1140)(8.0) = 80 \text{ (F)} \\Total &= \$310 \text{ (F)}\end{aligned}$$

Problem 8: Solution

1.	Waverly Motor Hotel Rooms Department Budget For the year of 20X6		
Sales			\$1,368,750 ¹
Labor: Variable	\$136,875 ²		
Fixed	<u>100,000</u>		236,875
Other operating expenses			<u>68,438</u>
Department Income			<u>\$1,063,437</u>

¹.75 × 100 × 365 × 50 = \$1,368,750

².75 × 100 × 365 × 5 = \$136,875

³.75 × 100 × 365 × 2.50 = 68,437.50 (use \$68,438)

2. $\frac{1,063,437}{1,368,750} = \underline{77.69\%}$

Based on the dual criteria of departmental income of at least \$1,000,000 and a contribution margin of at least 75%, Ms. Jackson's budget is acceptable.

Problem 9: Solution

	<u>Solutions</u>	<u>Calculations</u>
1. Room sales for June 20X1		
Doubles	\$147,000	49 × 30 × \$100
Singles	<u>43,200</u>	18 × 30 × \$80
Total	<u>\$190,200</u>	
2. Breakfast sales for June 20X1		
Doubles	\$2,568.96	2,676 × .2 × \$4.80
Singles	<u>1,036.80</u>	18 × .4 × 30 × \$4.80
Total	<u>\$3,605.76</u>	
3. Lunch sales for June 20X1		
Monday	\$1,875	50 × 1.25 × \$6 × 5
Tuesday	1,875	50 × 1.25 × \$6 × 5
Wednesday	1,500	50 × 1.25 × \$6 × 4
Thursday	1,500	50 × 1.25 × \$6 × 4
Friday	1,500	50 × 1.25 × \$6 × 4
Saturday	650	50 × .5 × \$6.50 × 4
Sunday	<u>2,100</u>	50 × 1.5 × \$7 × 4
Total	<u>\$11,000</u>	

Calculations for Part 2 Doubles:

Rooms sold: (49 × 30) + (18 × 30)	2,010
Average number of guests per room:	<u>× 1.6</u>
Total number of guests:	3,216
Guests: Staying in singles (18 × 30)	<u>- 540</u>
Guests: Staying in doubles	2,676

Problem 10: Solution

Part 1

Shives Condensed Budget

Revenue	\$700,000	\$1,000,000	\$1,300,000
Cost of food sold	315,000	450,000	585,000
Labor:			
Variable	161,000	230,000	299,000
Fixed	80,000	80,000	80,000
Other operating expenses	<u>56,000</u>	<u>80,000</u>	<u>104,000</u>
Income before fixed charges	88,000	160,000	232,000
Fixed charges	<u>100,000</u>	<u>100,000</u>	<u>100,000</u>
Income before income taxes	(12,000)	60,000	132,000
Income taxes	<u>-0-</u>	<u>18,000</u>	<u>39,600</u>
Net income (loss)	<u>\$(12,000)</u>	<u>\$ 42,000</u>	<u>\$ 92,400</u>

Part 2

When sales are \$750,000, Shives breaks even based on CVP analysis. When sales are \$700,000, the bottom line is a \$12,000 loss, while sales of \$1,000,000 and \$1,300,000 result in projected net incomes of \$42,000 and \$92,400, respectively.

Problem 11: Solution

Revenues:

Saturday:

$$[53 \times .5 \times 100 \times (8.2 \times 1.1)] + [53 \times 1.5 \times 100 \times (12.2 \times 1.1)] = \$130,592$$

Sunday:

$$[53 \times 1.5 \times 100 \times (8.2 \times 1.1)] + [53 \times .5 \times 100 \times (12.2 \times 1.1)] = \$107,272$$

Monday-Friday:

$$52 \times 5 \times 1.5 \times 100 \times (8.2 \times 1.1) + 52 \times 5 \times .75 \times 100 \times (12.2 \times 1.1) = \$613,470$$

$$\text{Total} \quad \quad \quad \$851,334$$

Departmental Expenses

Food Cost	32%	\$272,427
Labor	32%	\$272,427
Controllable	15%	<u>\$127,700</u>
Total		\$672,554

Income Before Fixed Charges		\$178,780
Fixed Charges		<u>\$150,000</u>
Income Before Taxes		\$ 28,780
Income Taxes	30%	<u>\$ 8,634</u>
Net Income		<u>\$ 20,146</u>

Problem 12: Solution

Mica Motel Operating Budget

	<u>Revenue</u>	<u>Cost of Sales</u>	<u>Payroll & Related Exp.</u>	<u>Other Expenses</u>	<u>Income (Loss)</u>
Rooms	\$507,204 ¹	\$ -0-	\$101,441	\$50,720	\$355,043
Food	<u>367,344²</u>	<u>128,570</u>	<u>117,550</u>	<u>44,081</u>	<u>77,143</u>
	<u>\$874,548</u>	<u>\$128,570</u>	<u>\$218,991</u>	<u>\$94,801</u>	432,186

Undistributed operating expenses	<u>187,455³</u>
Income before fixed charges	244,731
Property taxes	30,000
Interest expense	50,000
Depreciation	<u>60,000</u>
Income before income taxes	104,731
Income taxes	<u>31,419</u>
Net income	<u>\$ 73,312</u>

Note: All numbers are rounded to the nearest \$1.

Selected Calculations

- (1) Rooms revenue: Doubles \$404,712⁴
Singles 102,492⁵
\$507,204
- (2) Food revenue: Breakfast \$ 27,474⁶
Lunch 114,975⁷
Dinner 224,895⁸
\$367,344
- (3) U.O.E.: fixed \$100,000
variable: 874,548 × .1 87,455
\$187,455
- (4) Doubles: 365 × 60 × .84 × 22 = 404,712
- (5) Singles: 365 × 20 × .78 × 18 = 102,492

Problem 12: Solution (continued)

(6) Guests eating breakfast

Singles:	20 × 365 × .78 =	5,694
Doubles:	60 × 365 × .84 =	<u>18,396</u>
Rooms sold		24,090
Average occupancy per room		× <u>1.8</u>
Hotel guests		43,362
Guests staying in singles		- <u>5,694</u>
Guests staying in doubles		<u>37,668</u>
Guests in singles who eat breakfast:	5,694 × .40 =	2,278
Guests in doubles who eat breakfast:	37,668 × .20 =	<u>7,534</u>
Total guests eating breakfast		9,812
Average check		× <u>2.80</u>
Total breakfast sales		<u>\$27,474</u>

(7) Lunch sales

<u>Lunch</u>	<u>Days</u>	<u>Seats</u>	<u>Turnover</u>	<u>Average Check</u>	<u>Subtotal</u>
M	53	60	1.25	4.20	\$ 16,695
T	52	60	1.25	4.20	16,380
W	52	60	1.25	4.20	16,380
Th	52	60	1.25	4.20	16,380
F	52	60	1.25	4.20	16,380
S	52	60	.5	4.50	7,020
Su	<u>52</u>	60	1.5	5.50	<u>25,740</u>
	<u>365</u>			Total	<u>\$114,975</u>

(8) Dinner sales

M-F	10.75 × 60 [(52 × 4) + 53]	= \$168,435
S	12.50 × 60 × 52	= 39,000
Su	11.25 × 30 × 52	= <u>17,550</u>
	Total	<u>\$224,895</u>

Problem 13: Solution

Seats Available = 150
 Meal Price Increase = 5%
 Increase in Seat t/o = 0.1
 Appetizers = 4% Of total sales
 Desserts = 6% Of total sales

Day of Week	Seat Turnover		Average Meal Prices		1. Budgeted Sales	
	<u>Lunch</u>	<u>Dinner</u>	<u>Lunch</u>	<u>Dinner</u>	<u>Lunch</u>	<u>Dinner</u>
Sunday	1.0	0.5	\$12.40	\$15.00	\$2,148.30	\$1,417.50
Monday	2.2	1.0	\$10.95	\$14.20	\$3,966.64	\$2,460.15
Tuesday	2.1	1.1	\$10.80	\$14.30	\$3,742.20	\$2,702.70
Wednesday	2.0	1.2	\$10.70	\$14.40	\$3,539.03	\$2,948.40
Thursday	2.1	1.3	\$10.80	\$14.50	\$3,742.20	\$3,197.25
Friday	2.2	0.8	\$10.95	\$16.90	\$3,966.64	\$2,395.58
Saturday	0.5	0.4	\$9.50	\$15.20	\$ 897.75	\$1,197.00

2. April budgeted sales = 5 × Monday sales + 5 × Tuesday sales + 4 × Wednesday sales + 4 × Thursday sales + 4 × Friday sales + 4 × Saturday sales + 4 × Sunday sales = 90 %, not including appetizers or desserts = \$163,277.89

Meal sales = \$163,277.89 / .90 = \$181,419.88

Appetizer sales = 4% × meal sales = \$ 7,256.80
 Dessert sales = 6% × meal sales = \$10,885.19

Problem 14: Solution

1. Budget Variance

	<u>Rooms</u>	<u>Hours</u>	<u>Rate</u>	<u>Total</u>
Budget	1,000	600	\$3.40	\$2,040
Actual	1,050	660	3.30	<u>2,178</u>
				<u>\$ 138 (U)</u>

2. Volume Variance

Volume Variance = BR(BT - ATAO)
 = \$3.40(600 - 630)
 = \$102 (U)

3. Efficiency Variance

Efficiency Variance = BR(ATAO - AT)
 = \$3.40(630 - 660)
 = \$102 (U)

4. Rate Variance

Rate Variance = BT(BR - AR)
 = 600(\$3.40 - \$3.30)
 = \$60 (F)

Problem 15: Solution

Budgeted:

Servers work standards = 10 meals per hour
Average wage rate per hour = \$12.00
Variable wages budget = \$4,800
Members served = 4,000

Actual:

Average wage rate paid per hour = \$11.50
Variable wages paid = \$5,200
Members served = 4,200

1. Budget variance for server variable wage expense:
= \$4,800 - 5,200
= \$400 (U)

2. Is the budget variance significant? Explain:

Dollar variance = \$400
% variance = 8.33%

The variance is probably significant, because even though the dollar amount is not high, it represents is nearly 10%. Significance is also affected by the size of the operation.

3. Rate Bill Smith's performance in managing servers. Support with specific numbers:

Management's performance is based on rate variance and efficiency variance.

Rate variance = Budgeted hours(Budgeted rate - actual rate)
Efficiency variance = Budgeted rate(Allowable time for actual output - Actual time)

Budgeted hours = 4,000 / 10 = 400
ATAO = 4,200 / 10 = 420
Actual time = \$5,200 / \$11.50 = 452.17 hours

RV = 400(\$12 - \$11.50) = \$200.00 (F)
EV = \$12(420 - 452.17) = -\$386.09 (U)
= (\$186.09) (U)

Overall, Bill Smith fell short of the desired objective by \$186.09

Problem 16: Solution

1.	<u>Covers</u>	<u>Members/ Hour</u>	<u>Total Hours</u>	<u>Hourly Wage</u>	<u>Total</u>
Budget	28,800	12	2,400	\$ 6.00	\$14,400
Actual	<u>29,200</u>	<u>11.68</u>	<u>2,500</u>	<u>\$ 6.24</u>	<u>\$15,600</u>
Difference	<u>(400)</u>	<u>0.32</u>	<u>(100)</u>	<u>\$(0.24)</u>	<u>\$(1,200)</u>

2. The \$1,200 variance represents an 8.3% difference from the budget. With budget expenses of \$14,400, 8.3% would be significant.

3. Amy's performance has not been very good. An unfavorable volume variance of -198 is not her responsibility; however, the unfavorable rate variance of -576 reflects negatively on her ability to manage labor costs. The unfavorable efficiency variance of -402 suggests that the workers are doing less work than was forecasted. Finally, the unfavorable rate to total variance of 7.92 suggests that she has been paying more money for less productivity.

$$VV = 6.00(2,400 - 2,433) = -198$$

$$RV = 2,400(6.00 - 6.24) = -576$$

$$EV = 6(2,433 - 2,500) = -402$$

$$R-TV = (2,400 - 2,500) \times (6.00 - 6.24) = 24$$

4. Efficiency variance = \$(402)

Problem 17: Solution

Part I

Budget variance/revenue analysis

	<u>Rooms</u>	<u>Rate</u>	<u>Total</u>
Budget	800	\$18.50	\$14,800
Actual	<u>720</u>	<u>20.35</u>	<u>14,652</u>
Difference	(<u>80</u>)	\$ <u>1.85</u>	- \$ <u>148</u> (U)

Budget variance = \$148 (U)

VV	= (720 - 800) × 18.50	=	-\$1,480 (U)
PV	= (20.35 - 18.50) × 800	=	+1,480 (F)
P-VV	= -80 × 1.85	=	- <u>148</u> (U)
Total		=	- \$ <u>148</u> (U)

Part II

Expense variance analysis

	<u>Rooms</u>	<u>Hourly Hours</u>	<u>Rates</u>	<u>Total</u>
Budget	800	400	\$4.00	\$1,600
Actual	<u>720</u>	<u>380</u>	<u>3.80</u>	<u>1,444</u>
Difference	<u>80</u>	<u>20</u>	\$ <u>0.20</u>	\$ <u>156</u> (F)

1. Efficiency variance

$$EV = (360 - 380) \times 4 = -\$80 \text{ (U)}$$

No, the room attendants were inefficient.

2. Rate variance

$$RV = (4.00 - 3.80) \times 400 = \$80 \text{ (F)}$$

3. The head housekeeper should be rated based on the efficiency and rate variances. Any difference in budget and actual due to volume differences should not be used to measure the head housekeeper's performance. Therefore, based on efficiency and rate, the head housekeeper has just met the budget.

Problem 18: Solution

1.	<u>Covers</u>	<u>Price</u>	<u>Total</u>
Budget	15,000	\$6.6667	\$100,000
Actual	16,000	6.875	<u>110,000</u>
			<u>\$ 10,000</u> (F)

Volume Variance

$$\begin{aligned} \text{VV} &= (16,000 - 15,000) (\$6.6667) \\ &= \underline{\$6,666.70} \text{ (F)} \end{aligned}$$

Price Variance

$$\begin{aligned} \text{PV} &= (\$6.875 - \$6.6667) (15,000) \\ &= \underline{\$3,124.50} \text{ (F)} \end{aligned}$$

2.	<u>Covers</u>	<u>Average Cost/</u> <u>Cover</u>	<u>Total</u>
Budget	15,000	\$ 2.40	\$36,000
Actual	16,000	2.55	<u>40,800</u>
			<u>\$ 4,800</u> (U)

Cost Variance

$$\begin{aligned} \text{CV} &= 15,000 \times (\$2.40 - \$2.55) \\ &= \underline{-\$2,250} \text{ (U)} \end{aligned}$$

Volume Variance

$$\begin{aligned} \text{VV} &= \$2.40 \times (15,000 - 16,000) \\ &= \underline{-\$2,400} \text{ (U)} \end{aligned}$$

Cost-Volume Variance

$$\begin{aligned} \text{C-VV} &= 1,000 \times (\$.15) \\ &= \underline{\$150} \text{ (U)} \end{aligned}$$

Problem 19: Solution

Dwight Inn
Rooms Department Schedule
For the years 20X5-20X9

	<u>20X5</u>	<u>20X6</u>	<u>20X7</u>	<u>20X8</u>	<u>20X9</u>
Room Sales:					
Singles	\$ 602,250	\$ 629,351	\$ 656,818	\$ 684,649	\$ 712,845
Doubles	1,779,375	1,846,353	1,914,060	1,982,498	2,051,665
Suites	<u>1,022,000</u>	<u>1,057,770</u>	<u>1,093,905</u>	<u>1,130,405</u>	<u>1,167,270</u>
Total	\$3,403,625	\$3,533,474	\$3,664,783	\$3,797,552	\$3,931,780
Payroll & Related Expenses:					
Fixed Labor	120,000	127,200	134,832	142,922	151,497
Variable Labor	<u>408,435</u>	<u>424,772</u>	<u>441,763</u>	<u>459,434</u>	<u>477,811</u>
Total	\$ 528,435	\$ 551,972	\$ 576,595	\$ 602,356	\$ 629,308
Other Expenses					
Commissions	68,073	70,669	73,296	75,951	78,636
Laundry	68,073	70,669	73,296	75,951	78,636
Oper. Supplies	102,109	106,004	109,943	113,927	117,953
Linen	17,018	17,667	18,324	18,988	19,659
Uniforms	17,018	17,667	18,324	18,988	19,659
Other	<u>51,054</u>	<u>53,002</u>	<u>54,972</u>	<u>56,963</u>	<u>58,977</u>
Total	<u>851,779</u>	<u>887,650</u>	<u>924,750</u>	<u>963,123</u>	<u>1,002,828</u>
Rooms Dept. Income	<u>\$2,551,846</u>	<u>\$2,645,824</u>	<u>\$2,740,033</u>	<u>\$2,834,428</u>	<u>\$2,928,952</u>

Problem 20: Solution

Flexible Room Operating Budget
Mustang Ranch
For the year 20X4

	Activity Levels—Occupancy Percentage		
	78%	80%	82%
Revenue	\$5,124,600	\$5,256,000	\$5,387,400
Payroll Costs:			
Salaries (fixed)	240,000	240,000	240,000
Wages (variable)	640,575	657,000	673,425
Payroll taxes	88,058	89,700	91,343
Fringe benefits	177,738	181,680	185,622
Total Payroll Costs	<u>\$1,146,371</u>	<u>\$1,168,380</u>	<u>\$1,190,390</u>
Other Costs:			
Reservations	\$128,115	\$131,400	\$134,685
Commissions	153,738	157,680	161,622
Linen	102,492	105,120	107,748
Supplies	213,525	219,000	224,475
Other	262,230	268,800	275,370
Total Other Costs	<u>\$860,100</u>	<u>\$882,000</u>	<u>\$903,900</u>
Rooms Department Income	<u>\$3,118,130</u>	<u>\$3,205,620</u>	<u>\$3,293,111</u>