Financial Planning in Business Plans Mayo Business Plan Competition

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Overview

- Introductions
- Business Financials
- Projections
- Cash Flows
- Break-even Analysis
- Wrap-up





Some Terminology

Sales or Revenues: Price

Expenses: Cost

-Cost of goods sold

-Operating: List some?







Income Statement Examples

Sample Company Income Statement (Service) For the Year Ended September 30, 2021

\$2,750 Service revenue Operating Expenses: Depreciation expense 100 Wages expenses 1,200 Supplies expenses 60 Total operating expenses 1,360

Operating Income Other Item: Interest expense

Pretax income 1,350 Income tax expense 405 Net income \$945 Sample Company Income Statement (Product) For the Year Ended September 30, 2021

Sales revenue

Cost of Good Sold Gross Profit Operating Expenses: Depreciation expense 100 Wages expenses 1,200 Supplies expenses

\$6,875

Total operating expenses 1,360 Operating Income 1,390 Other Item: Interest expense Pretax income 1,350

405 Income tax expense Net income \$945



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1,390

40

Projections

- Revenues: Most Complex
- Assumptions about pricing
 - —Who are the customers?
 - -What resources to you have? Level of Productivity
 - —Seasonality: Customers, suppliers, internal process
 - —Sales pipeline: Assess contracts



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Important Tips



- Do your homework about your product and competitors.
- Know what makes your product different.
- Make sure your price is higher than your costs.
- Very hard to raise the price once the product is out.
- What is your 'gut' telling you about the price?
- Know that someone will always complain about the price.



Project Expenses

- Variable vs. Fixed costs
 - Variable: per unit is the same, total increases with volume
 - Fixed: stays the same regardless of volume
- Time and materials pricing
 - · Labor and Materials with a markup percentage
- Cost of Goods Sold is mostly Variable costs
- Operating Expenses are mostly fixed
- Margins
 - Gross Margin %= (Sales Cost of Goods Sold)/Sales
 - Profit Margin % = Profit/Sales



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Breakeven Analysis

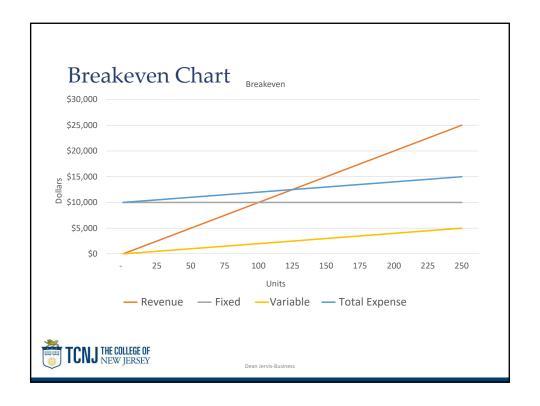
Example

	Unit	Total
Units sold	100	
Price per unit	\$100	
Cost per Unit-Variable	\$20	
Fixed costs	\$10,000	
Revenues	\$100	10,000
Variable Costs	<u>\$20</u>	2,000
Contribution Margin	\$80	8,000
Fixed Costs	700	
Fixed Costs		\$10,000
Profit		(2,000)

Breakeven Formulas

- Breakeven Unit Volume
 Units = <u>Fixed Costs</u>
 Contribution Margin per Unit
 (\$10,000/\$80) = 125 units
- Breakeven Vol. with Profits
 Units = <u>Fixed Costs + Desired Profit</u>
 Contribution Margin per Unit
 (\$10,000 + \$50,000)/\$80 = 750 units





Cash Flow Analysis: Monthly

Steps

- 1. Start with Beginning Cash Balance
- 2. Enter in all Cash Inflows for the Month
- 3. Total Cash Inflows
- 4. Enter in all Cash Outflows for the Month
- 5. Enter other Cash Out Flows
- 6. Total items 4 and 5
- 7. Ending Cash Balance = Available Cash Less Outflows
- 8. Ending Cash Balance is carried to Top of Next Month



Some Terminology

- Assets: Resources the company owns
 - Cash
 - · Accounts receivable (billings to customers who did not pay yet)
 - · Inventory
 - · Building
 - Equipment
- · Liabilities: Debts the company owes
 - · Accounts payable
 - · Notes payable
- Equity: Residual amount (Assets-Liabilities)
 - · Owners' investment: capital or stock
 - Retained earnings: Total of ALL PROFIT (Income) from start of business
- Accounting Equation: Assets = Liabilities + Equity



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Balance Sheet Example

Sample Company Balance Sheet September 30, 2021

Assets		Liabilities and Stockholders' Equity	
Current Assets:		Current Liabilities:	
Cash	\$ 1,550	Accounts payable	\$60
Accounts receivable	770	Interest payable	80
Supplies	<u>40</u>	Wages payable	100
Total current assets	2,360	Income taxes payable	405
		Utilities payable	<u>250</u>
		Total Current Liabilities	895
Equipment	12,000	Long-term Notes Payable	8,000
Less: Accumulated depreciation	<u>(1,300)</u>		
	10,700	Owners' Equity:	
		Owners' capital	2,900
		Retained earnings	<u>1,265</u>
		Total equity	
			<u>4,165</u>
Total assets	\$13,060	Total liabilities and owners' equity	\$13,060



Wrap-Up

- Summary
 - Financials
 - Service/Product pricing
 - Projections
 - Breakeven
- Questions? Comments?

thank you!

