Developing Annual Budgets and Profit Planning

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Developing an Annual Budget is an integral part of a firm's strategic planning process. When developed in concert with the Profit Plan, an Annual Budget is an essential resource that will allow firm leaders to compare a firm's actual Year-to-Date (YTD) financial performance to its YTD Annual Budget.

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Developing Annual Budgets

Introduction

The Annual Budget, developed concurrently with the Profit Plan affords firm leaders the best possible method of establishing guidelines for the firm's operations and financial effectiveness over the course of the coming year.

The Annual Budget utilizes numerous financial components that are developed by the Profit Plan. For this reason, among many others, it is *important* imperative that these two financial 'tools' be developed concurrently to ensure the seamless sharing of essential data needed by both.

The Chart of Accounts provides a foundational format for the Annual Budget, in that the Budget will, in its most detailed form, utilize most, if not all, of the established major and sub-account line items. In fact, it would be advisable to use the Chart of Accounts as the primary organizing element for the Annual Budget. A detailed explanation and example follows in **Exhibit** *Table* 1.

Because the development of *the Annual Budget* this document, like the *Profit* Plan, is an annually recurring process, it is advisable to begin its development in the latter stages of the fourth quarter of the preceding year. Mid-October, for those who have never developed an *Annual* Budget before, would not be too early to start the process. Starting early will allow sufficient time to thoroughly and methodically go through each step without the pressure of the coming year commencing before the Budget is completed and can be approved.

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For details of the Chart of Accounts see Financial Management Systems (7.3)

Annual Budget

The Annual Budget, when properly developed, will include the Chart of Accounts numbers and data from the Profit Plan. In its initial format, the Annual Budget will resemble an expanded version of the Profit-Loss Statement (P-L). This expanded version (Tables 1-4) will includes both fixed and variable expenses. This format allows for every known or anticipated expense to be included. This level of detail ensures a greater possibility of capturing the expenditures for the coming year. Once this level of budget is as complete as possible, it would be reviewed by the appropriate firm leaders to make any final adjustments and to reach consensus on its approval.

Once approved, the By combining the fixed and variable indirect expenses for the same major accounts numbers can then be combined in , a 'Ceollapsed' version (Table 25) of the completed, expanded version. can be created.

Data The major accounts shown in from this collapsed version would can then be used to develop the approved Final Annual Budget version (Table 6). The approved Final Annual Budget would also be used as the basis for a inserted into the monthly P-L format as the third set of figures (dollars and percentages) being added to the monthly P-L format, representing the YTD Annual Budget for each of the respective P-L line items. The purpose and benefit of including the a YTD Budget in the monthly P-L is to provide a comparison with the firm's actual YTD financial performance.

Refer to the Financial Management Systems article to see an example for the Profit-Loss Statement with the YTD Budget included.

The Annual Budget combined with the projections for Revenue, Direct and Indirect Expenses developed in the Profit Plan, creates a strategic financial plan illustrating the optimum results anticipated for the coming year. Reviewing the P-L every month on a line-by-line basis will indicate how the firm is doing compared to the respective YTD Budget. This will help firm leaders become better stewards of their financial resources. It will also facilitate sound business decisions in response to negative or positive trends that develop over the course of each succeeding month.

Without the Budget in the P-L, the YTD Actual figures represent only numbers and percentages' in a vacuum'. There isn't any relevant basis for evaluating these results, other than how they might compare to the empirical standards of the design industry. That will not provide the greater relevance, meaning and impact *than seeing* as the actual results seen side-by-side with its respective YTD Budget.

Annual Budget Format and Components

The Annual Budget is formatted in four primary sections: Revenue, Fixed Expenses, Variable Expenses, and Miscellaneous Revenue and Expense. Each section, with its own components, is similar to Mattox Format of the Profit-Loss Statement.

Section One – Revenue

Includes the exact same four components as the P-L: Fees Billed, Reimbursable Expenses Billed, Outside Consultants and Project Related Expenses.

<u>Section Two – Fixed Expenses</u> Includes Direct Labor Expenses and certain fixed Indirect Expenses.

<u>Section Three – Variable Expenses</u> Includes only variable Indirect Expenses.

<u>Section Four – Miscellaneous Revenue and Expense</u> Includes line items for each of the above two categories.

The accumulation of all of these line items will culminate in the determination of the projected 'Net Profit/(Loss)'.

Initially, the Annual Budget is best formatted as a 13-column document, with one column per month and the last column as the 'Total' for the year. This allows the designation of expenses to be shown for each line item, in respective months, rather than just a single total amount for the year. This will accommodate certain expenses which occur periodically, rather than monthly.

Section One - Revenue

In Section One, the four Revenue line items (Fees Billed, Reimbursable Expenses Billed, Outside Consultants and Project Related Expenses) will be determined by the projections developed in the Profit Plan. Also, refer to the 'Revenue Component of the P-L' section of the Financial Management System article to see the breakdown for each of these four major account items.

In budgeting for Revenue, keep in mind that some of this revenue will come from available Backlog remaining at the end of the year. This is revenue that has already been 'captured' by signed contracts for existing, active projects and will likely be billed to clients in the coming year. Therefore, the projected Revenue needed for the coming year, anticipated to be generated by new project contracts, will be reduced by the amount of the applicable Backlog. Once the Revenue amount is determined, it could also serve as a minimum target for the coming year's Marketing Plan.

Account No.	REVENUE	January	February	March	April	May	June	July	August	September	October	November	December	Totals	Percentage
4100	Revenue														
4110	Fees Billed	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
4150	Reimbursable Expenses Billed	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
4170	Outside Consultant's	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0.	
4190	Project Related Expenses	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0.	
Α.	TOTAL NET OPERATING REVENUE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	100%

Table 1: Annual Budget Revenue Component

Section Two – Fixed Expenses

In Section Two, the Fixed Expenses, consisting of Direct Labor Expense and fixed portion of Indirect Expenses are also determined by the projections developed in the Profit Plan. Fixed Expenses will obviously be easier to determine than Variable Expenses. Generally, these will include:

- Direct and Indirect Labor (as established in the Profit Plan)
- Payroll Benefits (mandatory and customary)
- Non-Discretionary Benefits (Pensions, IRA's, Professional Dues and Licenses)
- Office Lease & Facility Expense (Rent, Utilities, Security & Maintenance Service)
- Office Expenses (Telephone Systems, Internet, Website Hosting)
- Business Insurance (Professional Liability, General Liability, Auto Liability)
- Auto Expenses (Lease Payments, Registration, Licenses)
- Tax Expenses (Franchise, Business Margin, Local Property)

Every firm is unique and it is advisable to discus all possible qualified expenses in this category with the firm's legal, tax and management consultants. Respectively, they would identify the impact created on some of these expenses by the firm's legal structure, its geographic location and any local, state and federal governmental regulations imposed by these jurisdictions.

It is important to be aware that some of the above expenses might also include a variable component.

Account No.	FIXED EXPENSES	January	February	March	April	May	June	July	August	September	October	November	December	Totals	Percentage
5100	(Salary)														
5110	Principal(s)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
5120	Professional/ Technical	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
5130	Administrative Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
5140	Contract Labor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	DIRECT LABOR (SALARY)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	28 –
В.	Sub-total:														32%
	INDIRECT EXPI	ENSE	S												
6100	Indirect Labor														

6110	Admin. Labor (Salary) - Principal(s)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6120	Admin. Labor (Salary) - Prof./Tech. Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6130	Admin. Labor (Salary) - Admin. Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 .	
6140	Admin Labor (Salary) - Temporary Help	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Indirect Labor Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6200	Payroll Benefits & Non- Discretionary Benefits														
6210	Payroll Taxes (FICA, FUTA, SUTA)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6220	Workers Compensation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6230	Medical Insurance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6240	Dental/Life/ AD&D Insurance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6300	Discretionary Benefits & Professional Development														
6310	Pension Plan Contribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6320	IRA/401k Employer Matching Contribution & Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6350	Officer's Life Insurance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	

	Professional	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
6360	Licenses	ΨŬ	ΨŬ	ΨŬ	ΨŬ	ΨŬ	ψŪ	ΨŬ	ΨŬ	ΨŬ	ΨŬ	ΨŬ	ψŪ	ψ0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6400	Office Lease & Facility Expense														
6410	Office Lease	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6430	Utilities	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6440	Parking	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6450	Security Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6460	Maintenance Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 .	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6500	General Office Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 .	
6540	Telephone System	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6545	Cellular Telephone	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6550	Internet Access	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6555	Website & Email Hosting	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6600	Business Insurance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6610	General Comprehen- sive Liability	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6620	Auto Liability	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6630	Professional Liability	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 .	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6700	Auto Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6710	Auto Payment/ Lease	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6740	Registration/ License	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7300	Tax Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	

7310	Property Tax	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7320	Franchise Tax	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7330	Business Margins Tax	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
C.1	FIXED INDIRECT EXPENSES Sub-total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	TOTAL FIXED EXPENSES (B + C.1)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	

Section Three – Variable Expenses

In Section Three, the Variable Expenses consist of a firm's remaining Indirect Expenses. Refer to the list of possible 'Indirect Operating and General & Administrative Expenses' provided in the Profit Planning section to assist in identifying applicable Variable Expenses. Some of these variable expenses will also have a fixed component to them, as noted in Section Two above. Only the variable portions of such expenses are to be included in this Section. *However*, *the* total budgeted line item for these expenses will need to include its respective fixed component.

It will likely be more difficult to determine the dollar value of some of these variable expenses. Using the average of the prior three years of expenses, in each of the line item categories, will help to identify an appropriate amount to budget.

For start-up firms without any past history, it will be even more difficult. Initially, a 'best guess' might have to suffice for some line items. Careful monitoring each month would be advisable to observe any significant trending upward or downward to determine any effect these 'best guess' budgeted amounts might have on the firm's Net Profit-Loss.

Account No.	VARIABLE EXPENSES	January	February	March	April	May	June	July	August	September	October	November	December	Totals	Percentage
6300	Discretionary Benefits & Professional Development														

6365	Professional Exams & Training Materials	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6370	Professional Seminars & Conferences: Professional/ Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6400	Office Lease & Facility Expense														
6420	Facility Improvements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6500	General Office Expense														
6510	Office Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6520	Equipment & Software	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6525	Equipment Repairs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6530	Equipment Rentals	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6560	Postage/Ship- ping/Delivery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6570	Printing & Reproduction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6580	Technical Library Resources	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6590	Office Event Meals	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6700	Auto Expense														
6720	Gasoline/Oil Changes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6730	Repairs/Mainte nance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6750	Mileage/Tolls/ Parking	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	

6800	Bank Charges														
6810	Banking Fees/Penalties	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6820	Interest Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6830	Line of Credit Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6840	Credit Card Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6900	Professional Services														
6910	Accounting	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6920	Legal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6930	Marketing/PR	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6940	IT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6950	Management Consulting	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7100	Depreciation/ Amortization														
7110	Depreciation Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7120	Amortization Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 .	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7300	Tax Expense														
7340	Penalties and Fines	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7400	Marketing & Business Development														
7410	Travel - Auto	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7415	Travel - Air/Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7420	Meals/Enter- tainment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7430	Advertising	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7440	Promotional Printing/ Delivery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	

7445	Promotional Events	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7450	Photography	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7460	Subscriptions	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7470	Contributions	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7480	Marketing Supplies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
C.2	VARIABLE INDIRECT EXPENSES Sub-total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
C.	TOTAL INDIRECT EXPENSES (C.1 + C.2)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	44 – 48%
D.	TOTAL EXPENSES (B+C)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
E.	PROFIT OR (LOSS) FROM OPERATIONS (A-D)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	

Section Four – Miscellaneous Revenue and Expense

In Section Four, each of the two components, Miscellaneous Revenue and Expense, will be comprised of line items that relate to the daily operations of the firm. Some of them are project-related while others are not.

Miscellaneous Revenue might include any 'Interest Earned' on funds placed in financial instruments, investments or other such accounts. This component would also include any 'Gain on Assets', as established by the firm's accounting people. On occasion, this could also include amounts collected and not refunded for unreturned and/or damaged, distributed project bid documents. There might also be other, small incidental revenue items that are not specifically included in any of the usual P-L Revenue line items.

Miscellaneous Expense might include the write-off as 'Bad Debt' any invoiced project amount that is likely to be unpaid. This component would also include any 'Loss on Assets', as established by the firm's accounting people. There might also be other, small incidental expenses that are not specifically included in any of the usual P-L Indirect Expense line items.

Account No.	MISC. REVENUE / EXPENSE	January	February	March	April	May	June	July	August	September	October	November	December	Totals	Percentage
8100	Misc. Revenue														
	Interest earned	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Gain on Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	Retained Bid deposits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
	subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
8500	Misc. Expenses														
	Bad Debt (Write-Off) Allowance	<mark>-\$0</mark>													
	Loss on Assets	<mark>-\$0</mark>													
	Misc. (Expenses)	<mark>-\$0</mark>													
	subtotal	<mark>-\$0</mark>	<mark>\$0</mark>	<mark>-\$0</mark>											
F.	TOTAL MISC. REVENUE (+)/ EXPENSE (-)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	4 – 6%
G.	NET PROFIT/ (LOSS) BEFORE DISTRIBU- TIONS & TAXES (E + or- F)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	18 - 20%

Table 4: Annual Budget – Miscellaneous Revenue / Expense Component

Table 5 illustrates a Collapsed Version of the *completed, expanded* full Annual Budget that *merges the fixed and variable expenses of the major account numbers*. that can be used as a summary document and can be transferred to the P-L to allow for budget tracking. This collapsed version will then be the basis for developing the Final Annual Budget (Table 6).

		Budget Totals	Percentage
REVE	NUE		
4100	Revenue		
4110	Fees Billed	\$0	
4150	Reimbursable Billed	\$0	
4170	Outside Consultants	-\$0	
4190	Project Related Expenses	-\$0	
A. NE	T OPERATING REVENUE	\$0	100%
DIRE	CT LABOR EXPENSE		
5100	Direct Labor (Salary)		
5110	Principal(s)	\$0	
5120	Professional/Technical	\$0	
5130	Administrative Staff	\$0	
5140	Contract Labor	\$0	
	DIRECT LABOR (SALARY)		
В.	Sub-Total:	\$0	28-32%
INDIR	ECT EXPENSES		
6100	Indirect Labor		
	Admin. Labor (Salary) -		
6110	Principal(s)	\$0	
6100	Admin. Labor (Salary) -	¢0	
0120	Admin Lohor (Colory) Admin	ቅሀ	
6130	Staff	\$0	
	Admin Labor (Salary) -		
6140	Temporary Help	\$0	
	Indirect Labor Sub-Total:	\$0	
6200	Payroll Benefits & Non-		
0200	Discretionary Benefits (Fixed)	\$0	
	Discretionary Benefits &		
6300	(Fixed & Variable)	\$0	
	Office Lease & Facility	**	
6400	Expense (Fixed & Variable)	\$0	
6500	General Office Expense (Fixed & Variable)	02	
6600	Business Insurance (Fixed)	\$0	
	Auto Expense (Fixed &	ψ0	
6700	Variable)	\$0	
6800	Bank Charges (Fixed & Variable)	\$0	

Table 5: Annual Budget - Collapsed Version

6900	Professional Services (Variable)	\$0	
7100	Depreciation/Amortization (Fixed & Variable)	\$0	
7300	Tax Expense (Fixed & Variable)	\$0	
7400	Marketing & Business Development (Variable)	\$0	
	INDIRECT EXPENSES SUB-		
C.	Variable):	\$0	44-48%
D.	TOTAL EXPENSES (B + C)	\$0	
E.	PROFIT or (LOSS) FROM OPERATIONS (A - D)	\$0	
F.	TOTAL MISCELLANEOUS REVENUE / EXPENSE (+ or -)	\$0	4-6%
G.	NET PROFIT/(LOSS) BEFORE DISTRIBUTIONS & TAX (E <mark>+ or -</mark> F)	\$0	18-20%

Table 6 illustrates a sample for a *the approved, Final* final version of the Annual Budget, including *the major* accounts and *the desired and/or appropriate* sub-accounts *from* expanding the Collapsed Version of the and combining combined fixed and variable expenses into *in each of* their appropriate combined respective major accounts.

Once the approved Final Annual Budget has been developed it would then be used to create a monthly Year-to-Date (YTD) pair of columns (for \$ and %) in the monthly P-L format, representing the YTD Annual Budget for each of the respective P-L line items.

Table 6: Annual Budget – Approved Final Version

Account No.	MAJOR ACCOUNT AND SUB- COMPONENT	January	February	March	April	May	June	July	August	September	October	November	December	Totals	Percentage
4100	REVENUE														
4110	Fees Billed	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
4150	Reimbursable Expenses Billed	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 .	
4170	Outside	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0.	

	Consultant's														
4190	Project Related Expenses	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0	-\$0.	
А.	NET OPERATING REVENUE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 .	100%
	DIRECT EXPENS	ES													
5100	Direct Labor (Salary)														
5110	Principal(s)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
5120	Professional/ Technical	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
5130	Administrative Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
5140	Contract Labor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
в	DIRECT LABOR (SALARY)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	28 – 22%
Б.		ISES													32 70
6100															
6110	Admin. Labor (Salary) - Principal(s)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6120	Admin. Labor (Salary) - Prof./Tech. Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6130	Admin. Labor (Salary) - Admin. Staff	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6140	Admin Labor (Salary) - Temporary Help	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
Indire	ct Labor Sub- total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6200	Payroll Benefits & Non- Discretionary Benefits	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6300	Discretionary Benefits & Professional Development	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6400	Office Lease & Facility Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6500	General Office Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	

	-	I	1	I	1									1	
6600	Business Insurance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6700	Auto Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6800	Bank Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
6900	Professional Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7100	Depreciation/ Amortization	\$0	\$0	\$0	\$0	\$0	\$ 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
7300	Tax Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
<mark>7400</mark>	Marketing & Business Development	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
C.	TOTAL INDIRECT EXPENSE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	44- 48%
D.	TOTAL EXPENSES (B+C)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
E.	PROFIT OR (LOSS) FROM OPERATIONS (A- D)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
		REVE													
	MIGOLLEANLOOD														
8100	Misc. Revenue														
8100	Misc. Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.	
8100	Misc. Revenue Interest Earned Gain on Assets	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0. \$0.	
8100	Misc. Revenue Interest Earned Gain on Assets Retained Bid Deposits	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0. \$0. \$0.	
8100	Misc. Revenue Interest Earned Gain on Assets Retained Bid Deposits subtotal	\$0 \$0 \$0 \$ 0 \$ 0	\$0 \$0 \$0 \$ 0 \$ 0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$ 0 \$ 0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0. \$0. \$0. \$0.	
8100 8100 8500	Misc. Revenue Interest Earned Gain on Assets Retained Bid Deposits subtotal Misc. Expense	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0. \$0. \$0. \$0.	
8100	Misc. Revenue Interest Earned Gain on Assets Retained Bid Deposits subtotal Misc. Expense Bad Debt (Write- Off) Allowance	\$0 \$0 \$0 \$0 - \$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0. \$0. \$0. \$0. -\$0	
8100 8500	Misc. Revenue Interest Earned Gain on Assets Retained Bid Deposits subtotal Misc. Expense Bad Debt (Write- Off) Allowance Loss on Assets	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0 \$0 \$0 \$0 -\$0	\$0. \$0. \$0. \$0. -\$0	
8100 8500	Misc. Revenue Interest Earned Gain on Assets Retained Bid Deposits Subtotal Misc. Expense Bad Debt (Write- Off) Allowance Loss on Assets Miscellaneous (Expense)	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0	\$0. \$0. \$0. \$0. -\$0 -\$0 -\$0	
8100	Miscellerateous Misc. Revenue Interest Earned Gain on Assets Retained Bid Deposits subtotal Misc. Expense Bad Debt (Write- Off) Allowance Loss on Assets Miscellaneous (Expense) subtotal	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 	\$0 \$0 \$0 \$0 \$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0	\$0. \$0. \$0. \$0. -\$0 -\$0 -\$0 -\$0	
8100 8500	Misc. Revenue Interest Earned Gain on Assets Retained Bid Deposits Bad Debt (Write- Off) Allowance Loss on Assets Miscellaneous (Expense) Subtotal TOTAL MISC. REVENUE / EXPENSE (+ or-)	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0 \$0	\$0 \$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0 \$0 \$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0 \$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 \$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 \$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0 \$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0 \$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 \$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0 \$0	\$0 \$0 \$0 \$0 -\$0 -\$0 -\$0 -\$0 \$0	\$0. \$0. \$0. \$0. -\$0 -\$0 -\$0 -\$0 \$0.	

Conclusion: Annual Budgets

Once all of the budgeted line items for the coming year have been identified and the expanded format completed it should be reviewed by the appropriate firm leaders and approved. The collapsed version can then be developed, as shown above in Table 5, which will then facilitate creating the final format of the *approved* Annual Budget.

It is important to note that the Annual Budget, once it has been approved for the coming year, should never be altered in any way. This would destroy the integrity of the Budget and eliminate the comparison benefit mentioned earlier.

However, recognizing that during the course of the year, certain unforeseen situations could develop that would alter some of the budgeted line items. If that were to occur, a separate, new document will need to be developed to reflect these changes. This document can be created by copying the approved budget, making the new, forecasted changes and then saving it with a different title.

This new document could be referred to as the 'Forecast Plan'. The Forecast Plan and the Annual Budget could then be compared each month to see the variances of both to the YTD Actuals.

Profit Planning

type="note"

Profit planning for every architecture firm is essential in providing a forecast of a firm's revenue-generating capability and the net profit it can anticipate earning from that revenue.

Introduction to Profit Planning

Developing a Profit Plan is a firm's best approach to understanding what is financially possible for the coming year. Because the Profit Plan is a form of budgeting, it shares many of the same considerations as the Annual Budget. The Profit Plan, like the Annual Budget, needs to be developed in advance of the coming year. The current year's activity for revenues and expenses are important to consider in developing the projected new revenue and expense amounts. Also taken into account are any known future events, market conditions or other situations that might impact these amounts. In addition, other important factors to consider include the firm's Backlog and the anticipated award of any new projects and fees for the coming year.

Backlog, defined as current project revenue not yet earned or invoiced, will impact the firm's projected Revenue. For example, imagine that a firm's Profit Plan for the coming year indicates the potential for generating Net Operating Revenue of \$1.1 million, based on a target Net Profit of 20%. If the firm's Backlog is \$350,000.00 total, the firm will need to assess if it has the capability to secure the additional \$750,000 in Net Operating Revenue in order to meet its Revenue and Net Profit projections.

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For definitions of terms used in this article see 'Key Accounting Terminology' in Financial Management Overview (7.1)

Once established, the projected Revenue and Expenses (Direct and Indirect) will also be used in the development of the Annual Budget.

Profit Plan

The Profit Plan, when fully-developed, provides critical data essential for many decisions related to the firm's operations and projects.

Because the Profit Plan is a projection of what might be, the process of developing this data will entail a certain amount of 'educated' guesswork. Nevertheless, there are a number of component parts of the Profit Plan that can be developed based on known factors. Among these are the annual salary adjustments often given to every employee of the firm. In addition, adjusted utilization rates can be established for each employee, using the current year's performance as a guideline and taking into consideration any anticipated changes in an employee's duties and responsibilities for the coming year.

The projected Direct and Indirect Expenses will allow for the calculation of the Overhead Rate and the Break-Even Multiplier. With these metrics an Hourly Billing Rate for every employee can be calculated. These metrics in turn would be used to develop new project fee budgets, their estimated fee billings and potential profitability.

Profit Plan Format, Components & Applications

The Profit Plan presented below is formatted in three primary sections, each one with its own components.

Top Section: 'Revenue Projection' identifies the Utilization Rate and the Total Labor and its two components: Direct & Indirect Labor. Finally the 'Projected Billing' for each employee can be calculated.

The Middle Section: 'Projected P-L Summary' calculates the projected Net Operating Revenue and Net Profit Dollars & Percent.

The Bottom Section: 'Alternate Method to check Net Operating Revenue and Profit Goal.' This section also includes 'Calculating Multipliers' & the 'Development of Hourly Billing Rates' for every employee. The reference to Top, Middle and Bottom is from the arrangement on a spreadsheet, where results from one section can be linked to cells in other sections. For ease of understanding and readability, the three sections are shown separately.

Profit Plan 'Top Section'

In the Top Section, the Projected Billing for each employee is determined by factoring each employee's anticipated Utilization Rate and calculated Hourly Billing Rate. Arriving at a realistic utilization rate for each employee will require defining their roles, responsibilities and duties for the coming year and relevant historical data related to their respective, past performances. Generally, the less experienced staff will have the highest utilization rates, while the opposite is true for the more experienced staff and principals. Once defined, the Utilization Rate will establish each employee's Direct Labor and Indirect Labor from which the Total Direct and Indirect Labor costs can be calculated. Using Total Direct and the Total Labor costs, the firm's Utilization Rate can also be calculated:

Total Direct Labor (\$262,754) ÷ *Total Labor (\$407,845)* = 64.42%

The Projected Billing for each employee is achieved only after the Hourly Billing rates are calculated in the Bottom Section. Then, using the respective Hourly Billing Rate and multiplying it by the respective total number of Direct Labor Hours (2080 hours x Utilization Rate) the Projected Billing amounts can be determined.

Example (from the Profit Plan) using the data for employee 'T. Rex':

Hourly Billing Rate (\$85.00) x 1,726.4 (2080 hours x 83%) = \$146,744.

REVENUE PROJECTION										
Employee	Hourly Rate	Util. Rate	Total Labor	Direct Labor	Indirect Labor	Billing Rate	Projected Billing			
Principal										
D. Dowright	\$45.67	35%	\$95,000	\$33,250	\$61,750	\$140	\$101,920			

Table 1: Top Section Profit Plan

S. Taypositive	\$45.67	65%	\$95,000	\$61,750	\$33,250	\$140	\$189,280
Sub-Total:			\$190,000	\$95,000	\$95,000		\$291,200
ProfTech. Staff							
N. Desmond	\$32.75	75%	\$68,120	\$51,090	\$17,030	\$105	\$163,800
T. Rex	\$24.38	83%	\$50,710	\$42,089	\$8,621	\$85	\$146,744
E. Zeduzit	\$18.18	89%	\$37,815	\$33,655	\$4,160	\$70	\$129,584
Sub-Total:			\$156,645	\$126,834	\$29,810		\$440,128
Admin. Staff							
M. Adonna	\$15.00	35%	\$31,200	\$10,920	\$20,280	\$50	\$ 36,400
Sub-Total;:			\$31,200	\$10,920	\$20,280		\$ 36,400
Contract Labor							
Outsource Tech.	\$40.00	100%	\$30,000	\$30,000	\$0	\$75	\$ 56,250
Sub-Total:			\$30,000	\$30,000	\$0		\$ 56,250
Totals:			\$407,845	\$262,754	\$145,090		\$823,978

Profit Plan 'Middle Section'

The Middle Section components can then be developed using the data in the Top Section. Perhaps the most difficult items to develop in this section are projections for the Outside Consultant's Fees to be billed, as a percentage of Total Fees Billed. Some of the Indirect Expenses (Marketing, Repair & Maintenance, Legal, Accounting, Management & Other Business Consultant Fees) will also have to be estimated. Refer to Sidebar on Indirect Operating and General & Administrative Expenses at the end of this article.

Table 2: Middle Section Profit Plan

Projected Revenue (from	Architect		Consultants		Total
Top Section)					
Fees Billed (Incl.	\$823,978	+	\$360,760	=	\$1,184,738
Consultants + Mark-Up)					
Reimbursable Expenses	\$161,272	+	\$ 16,127	=	\$ 177,399
(Incl. Mark-Up)			(<u>Mark-Up)</u>		
Outside Consultants (Not	(\$360,760)	-	(\$ 32,796)	=	(\$ 327,964)
Incl. Mark-Up)					
Project Related Expenses	\$161,272	+	\$ 40,245	=	(\$ 201,517)
(Reimb.+ Non-Reimb.)	[Reimbursable]		[Direct (N-R)]		
Net Operating Revenue					\$ 832,656
<u>(NOR)</u>					
Projected Direct Labor					(\$ 262,754)
Expense					
Total Direct Labor (Salary)					
Expenses: Approx. 28-					

32% x Net Operating		
Revenue		
Projected Indirect Labor &		
<u>Expenses</u>		(\$ 403,838)
Total Indirect Expenses:		
Approx. 48-52% x Net		
Operating Revenue		
Total Misc.		\$ 8,112
Revenue/Expenses (est.		
allowance)		
Net Profit Before		\$ 174,176
Distribution & Tax		
Approx. 20% x Net		
Operating Revenue		

A reasonable approach for beginning the process of developing some of these projections is to use an average of expenditures over the last three years and factoring up or down to suit based on anticipated market conditions.

Industry guidelines to consider:

- Outside Consultant Fees in the range of 26% to 35% of the Total Fees Billed.
- Marketing Expenses in the range of 3% to 5% of Net Operating Revenue.

With the figures shown in the Profit Plan, the Outside Consultant Fees were calculated to be approximately 27% of the Total Fees Billed \$1,184,738, shown as -\$327,964. If the mark-up were not considered, \$1,184,738-\$32,796=\$1,151,942, it would be approximately 28%. The amount is shown as a negative number (as a debit to Revenue) because these fees are to be paid to the Consultants and are not included in the Net Operating Revenue.

Project-Related Expenses is a combination of the total value of five possible sub-categories of expenses:

1. Reimbursable expenses for Architect, not including mark-up.

2. Reimbursable expenses for Outside Consultants, not including mark-up.

3. Project expenses for the architect included in all Lump Sum Fees billed by Architect.

4. Non-reimbursable project expenses for Architect, per contract.

5. Reimbursable project expenses for Architect that exceed any contract stipulated maximum.

The total amount shown is also a negative number (as a debit to Revenue), as the majority of these expenses will be paid to a Consultant and/or Vendor.

With all of the components of Net Operating Revenue identified, the projected Net Profit can be calculated.

NOR– Total Direct Labor– Total Indirect Expenses + (or -) Total Miscellaneous Revenue or Expense = Net Profit.

\$832,656-\$262,754-\$403,838+\$8,112 =\$174,176

Once Net Operating Revenue (NOR) and Total Direct Labor (TDL) are calculated, two other critically important Key Financial Performance Indicators can then be calculated:

1. Net Multiplier (measures the return on every dollar of Direct Labor)

NOR (\$832,656) ÷ *TDL* (\$262,754) = *Net Multiplier* (3.17)

2. Percentage of TDL to NOR (measures the balance between workload and number of staff (target range: 28% - 32%)

 $TDL (\$262,754) \div NOR (\$832,656) = 31.6\%$

type="margin pointer"

For more information about these ratios see Backgrounder, Key Financial Perfomance Indicators accompanying Financial Management Overview (7.1)

Profit Plan 'Bottom Section'

The Bottom Section provides an Alternate Method of calculating a targeted set of goals for the NOR and Net Profit to compare with the above Projected NOR & Net Profit Goals. These alternate calculations for the Targeted Break-Even and Net Multipliers are based on a different set of parameters, except for the three projected Labor values (Total, Direct & Indirect) from Table 1.

The value shown below for Total Indirect Expenses (\$394,130) is based on an Overhead Rate estimated at 1.5 x TDL, resulting in the Targeted Break-Even Multiplier of 2.5 x TDL Adding the Targeted Net Profit results in the Targeted Net Multiplier.

Total Direct Labor (TDL) Multiple:

TDL ÷ TDL: \$262,754 ÷ \$262,754 = 1.00

Targeted Indirect Expense Multiple (Overhead Rate):

Total Indirect Expense \div TDL: \$394,130 \div \$262,754 = <u>1.50</u>

Targeted Break-Even Multiplier (B-E Multiplier): 1.50 + 1.00 = 2.50

Targeted Net Profit (20%) Multiplier: B-E Multiplier ÷ .80* – B-E Multiplier

 $2.50 \div .80 - 2.50 = 0.63$

Targeted-Net Multiplier: 2.50 + 0.63 = 3.13

* = To calculate the Targeted Net Profit Multiplier, divide using the complement (.80) of the Targeted Net Profit percentage (20%).

The Direct Labor (Salary) Expense dollars shown in Table 3 are the same dollars as in the Top Section from Table 1. The \$262,754.is arrived at by multiplying the Total Labor (\$407,845) by the average Utilization Rate (0.6442), resulting in the Total Direct (Salary) expense. Similarly the Indirect Labor (Salary) Expense is the 'Top Section' Total Labor from Table 1 minus the Total Direct Labor (Salary) Expense. The 'Office Expenses' value is the remaining amount in the calculated \$394,130 'Indirect Expenses' line item.

Table 3: Profit Plan 'Bottom Section'

ALTERNATE METHOD (to check Projected NOR & Profit Goal)

Direct Labor (Salary) Expense:	\$407,845 x 0.6442		\$262,754				
Indirect Expenses:							
Indirect Labor (Salary):	\$407,845 x 0.3558	\$145,090					
Payroll Taxes & Benefits:	Est. at 25% x Total Salary	\$101,961					
Office Expenses:		\$147,079					
Total Indirect Expenses:	Est. at 1.5 x Direct Labor		\$394,130				
Misc. Revenue/ Expense:	From table 2	\$8,112					
Total Indirect Expenses:			\$656,884				
Profit Goal @ 20%:	Tot. Exp.÷ 80% - Tot. Exp.		\$164,221				
			\$821,105				
Net Operating Revenue Goal:							
Calculating Multipliers							
To Pay For Direct Labor (Salary) Exp	pense:		1.00				
To Pay For Indirect Expenses: (Indire	ect Expense ÷ Total Direct La	bor)	1.50				
Equals Break-Even Multiplier (B-E	2.50						
To include 20% Profit: (B-E Mult. ÷ .80 - B.E Multiplier)							
Equals Planned Net Multiplier (wit	h 20% Profit):		3.13				

Using the Targeted Net Multiplier, each employee's Hourly Billing Rate can then be calculated (Hourly Salary x 3.13).

Example: for an hourly salary of \$20.00:

\$20. x 3.13=Hourly Billing Rate of \$62.60., incl. profit of \$12.50 (\$62.50 x .20)

To check, using an alternate approach:

Hourly Salary (\$20.00) x B-E Mult. (2.50) ÷ .<u>80</u>* = \$62.50 (*Hourly Billing Rate*)

* = Divide, using the complement of the Targeted Net Profit percentage (.80) to calculate the Hourly Billing Rate.

If you multiplied by .20, that would be a 'mark-up' of only \$10.00 and reduce the profit percentage, as shown in the following calculations:

Hourly Salary (\$20.00) x B-E Mult. (2.50) x .20 = \$10.00 (\$2.50 or 20% less profit on the targeted 20% profit)

Use Planned Net Min, Hourly Billi	t Multiplie						
Min. Houry Bin	Hourly salary		Planned Net Multiplier		Billing Rate	<u>To increase</u> Profit	Adjusted Billing Rates
D. Dowright	\$45.67	х	3.13	=	\$142.95	Round down to:	\$140
S. Taypositive	\$45.67	х	3.13	=	\$142.95	Round down to:	\$140
N. Desmond	\$32.75	Х	3.13	Π	\$102.51	Round up to:	\$105
T. Rex	\$24.38	Х	3.13	II	\$76.31	Round up to:	\$ 85
E. Zeduzit	\$18.18	Х	3.13	Ш	\$56.90	Round up to:	\$ 70
M. Adonna	\$15.00	Х	3.13	Ш	\$46.95	Round up to:	\$ 50

Table 4: Determine Minimum Billing Rates

Looking at the calculated Hourly Billing Rates, there is a potential for developing an incremental increase in the profit percentage for each non-principal employee's Hourly Billing Rate. In general, the nonprincipal employees spend a greater percentage of the total charged project hours than do principals. It is therefore possible to take each of these employee Hourly Billing Rates and raise them to a higher amount and still maintain a competitive set of billing rates, all with more than a 20% profit.

Example (from the Profit Plan) using the data for employee 'T. Rex':

Hourly Salary (\$24.38) x Net Mult. (3.13) = Hourly Billing Rate (\$76.31)

If the \$76.31 were 'rounded-up' to an Hourly Billing Rate of \$85.00, the profit would be increased by \$8.69 to \$24.05 for a profit percentage of 28.29%.

Conversely, if the principal's rates were 'rounded-down', the firm's Net Profit percentage could be increased considerably without any additional cost to the firm or loss of competitive edge.

Conclusion: Profit Panning

The responsibility for earning a profit belongs to every employee of a firm. The most advantageous method for ensuring this will happen is to develop some form of Profit Planning at, or before, the start of each new calendar year. The most effective tool for this type of planning is the Profit Plan. The Profit Plan develops a projection for each of the four primary components that affect profitability – Revenue, Direct Labor, Indirect Labor and Indirect Expenses.

The development of each these primary components requires a review of a firm's past performance for the previous three years and an understanding of developing trends in the market for the coming year.

Projected Revenue is best developed using current and/or projected salaries, targeted utilization rates and the hourly billing rates for each employee and principal.

Projected Direct and Indirect Labor are calculated using the same current and/or projected salaries and the targeted utilization rates for each employee and principal.

The projected Indirect Expenses are the most challenging of the four components to develop because it contains so many different fixed and variable sub-categories. In general, if Direct Labor is 28% -32% of the NOR and the targeted Total Net Profit is approximately 20% of NOR, then the Total Indirect Expenses (including Indirect Labor) would be approximately 48% - 52%. This is a reasonable basis for establishing a projected value for this component. This projection can then be compared with the value calculated for a targeted Overhead Rate of no more than 1.5 times Total Direct Labor.

With each of these four components projected a targeted Net Profit can be established. This targeted profit value is then applied to the fee budget for every new project started in the coming year and communicated to every employee as a focus for their project activities.

For More Information

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