Rate Development Illustrations

Example A: Projected Operating Costs of a Service Center -Comparison of Consumption and Output Approaches:⁽¹⁾

Service Center Operating Budget®

Salaries and Wages	\$120,000	
Ficange Benenits"		
Supplies	25,000	
Materials	60,000	
Community Xons	ະ ອີ,ິບບບ	
Depreciation	r عند 1000 من 100 م من 100 من 100 م	
Net carry forward (Surplus/Deficit)	(10,000))	
Total Costs	\$233,000	

⁴¹Assume this service center could be either a machine shop or a mass smasthing facility. ⁽²⁾Each service constructed unconstructed a operation must have a separate, distinct account.

CONSUMPTION METHOD:

Machine Shop

Forecasted Machinist Hours:

40 Hours/Week x 52 Weeks	2,080 Hours/Year
# of Machinists: 2 × 2,080	4,160 Total Hours
Down time (Employee leave, etc.)	1,520 Hours
Billable Hours	2,640 Hours
Consumption Rate = \$233,000 Total Costs =	\$88.26/Hour
2,640 Billable Hours Rim	

OUTPUT METHOD:

Mass Spectrometer Facility

Estimated Outputierus.

Total Samples Analyzed

1,500

Unit Cost Rate = \$233,000 Total Costs ≆ \$155/Sample ruple 1,500 Samples

Note: It is imperiant for the activity base chosen to relate directly to what drives the costs. For example, establishing a sample rate based on hourly use would not accurately distribute the operating costs. These costs directly relate to the number of samples analyzed.

Rate Development illustrations With บาร์ตบสากโล้แล้วรับบรุเมง

Frojection Operating Costs of a Service Center united and Comparison of Consumption and Output Approaches:⁽¹⁾

	Service Center	Subsidy Accounts	Service Center
Salaries and Wages	\$120,000	\$120,000	3
Fringe Benefits Supplies	25,000	18,000	\$ 25,000
Materials	60,000		60,000
Communications Depreciation	15,000		15,000
Net carry forward (Surplus/Deficit) ⁽³⁾ Total Costs	<u>0</u> \$243,000	\$138,000	\$105,000

⁽¹⁾Assume this service center could be either a machine shop or a mass spectrometer facility.

⁽²⁾Each service center and recharge operation, must have a separate distinct account together with a corresponding subsidy account.

⁽³⁾Prior year surplus of recharges must be epplied to reduce the prior year suit instance account.

CONSUMPTION METHOD:

Machine Shop

Foresasted Machinist Hours

40 Hours Week x 52 Weeks	2,080 Hours/Year	*	
# of Machinists: 2 x 2,080	4,160 Total Hours	a.	
Down time (Employee leave, ein)	1 520 Hours		
Billable Hours	2,640 Hours	÷:	
Consumption Rate 3105.000 total Cost	ts =		

2,640 Billable Adul's

OUTPUT METHOD:

Mass Spectrometer Facility

Estimated Ca. AMININ

Total Samples Analyzed

1,500

Unit Cost Rate = \$105 000 Total Costs = \$70/Sample 1,500 Samples

Note: It is important for the activity base% obosen to relate directly to a sample rate ballson and a sample rate ballson

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Example B: 😎 🕷 ເປັນ ບັນເປັນຂອບເດີຍໃຫ້ເປັນເປັນເປັນການໃຫ້ແກ່ 🕬 🕬 🕷 ແດຍຮ

	(4 → 0.0 ± 0.0 ± 0.0 ± 0.0 ± 0.0 ± 0.0 ±
Salari (1997) - * (1960port statt)	20 000 20,000
Eringe Benefits	51,300
Communications	∠, o心^^^
Pensire and Maintenance	4,350
Supplies	5,500
Equipment Depreciation	6,345
Prior Year Operating Surgius	(1 000)
Total Cost	\$299,295
40 hours per man in	ALL REAL REAL REAL REAL REAL REAL REAL R
· ■ · · · · · · · · · · · · · · · · · ·	NAMES OF COMPANY OF COMPANY

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1,320 x 5 technicians = 6,600 total houts is for the facility (units of activity)

3. Calculate User rEe

1.

5.0

Total Cost <u>\$299,295</u> User ⊢ee = Units ol

Rate Development Illustrations (Gontid). ...

Example C: User Fee Calculation for Providing Goods

The following to an exercise of the user fee calculation for a pint of acid for which the cost met the actual purchase price) to the Sendicia

2. Projected Operating Conto

Salaries	\$25,000	
Office Supplies	1,000	-
Facilities 2		
Not Oddy's strikes (see pro-)	58 25	
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3. Projected Tatal Sugalian

	- HE - H - H - H - H - H - H - H - H - H		
	Chemicals Supplies Glassware	\$100,000 50,000 31,259	
	Total Supplies/M	Asterials Costs	
4.	Calculate Mark-Up Rate	Operating Costs 34 124	
	Mark-Up Rate =	Duralis Mistoriala Copia = 1 2 250 = 1883	
1 9:4	® Engage JW80118110 millism Ex	M 23231	
	Mark-Live E	100 000 - 200 A	
	mant o sprinoure	= \$10,000	
		= \$ 1.88	

User Fee = Cont-Item, Provided.....+ Mark-Lin Amount = \$10.00 + \$1.88 = \$11.88 Poto Dovolgomont Illustratio

s (Cont'd)

Example D: User Fee Calculation that Includer Depretation

1. Calcu	late Depreciation	1					
Equipment	Asset Item Number	A& Cost	¥€• 11 5 3 Date	Useful Life	FY 99 Amount ⊯ 53	_	
Copier A	345678	12,000	8/30/95	5 Years	2,400		
Copier B	123456	5,000	10/24/90	5 Years	0		
Total		\$17,000			2 *****	20 S	
2. Calci	ulate operanny v	ບບອດບົກຈະ ພວກ	nais officion o				
	Salaries				\$20,000		
	Fring				× 500	e111	
	Repairs and	Maintenance			10,500	8	
	Supplies				15,500		
	Equipment D	epreciation*			_2,400_		
	Tota	l Cost			\$52 900		
	Estin Marine	ate'o number 'o	ວດດານຄູ່ຂາຍຄ່າງອ	ar Anext = x	A.5		

3. Calculate User Fee

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A CONTRACT OF	Otterating Cost	\$533	
110.00	<u>Openeting even</u>		
Useriou	Ound of 3	1.1.1	