

SOUTH CENTRAL CORE COLLECTIVE SOUTH CENTRAL CORE COLLECTIVE SOUTH CENTRAL CORE COLLECTIVE

Part 2: Core Facility as Business Model Julie Auger jauger@salk.edu



Reality:

Many core facility scientists are charged with managing their labs as small businesses but have never had any formal training in finance or accounting. The same can be said for managing other resources including space and personnel.

Therefore, they are at a disadvantage when it comes to strategic decisions that involve resources. This includes determining how much money is needed to run and evolve the core, how to appropriately set recharge rates and how to best manage expenses.



What is a Business Model?

"A business model is a conceptual structure that supports the viability of the business and explains how it operates, makes money, and how it intends to achieve its goals and acts as a blueprint for the business and a roadmap to succeed." – Feedough.com

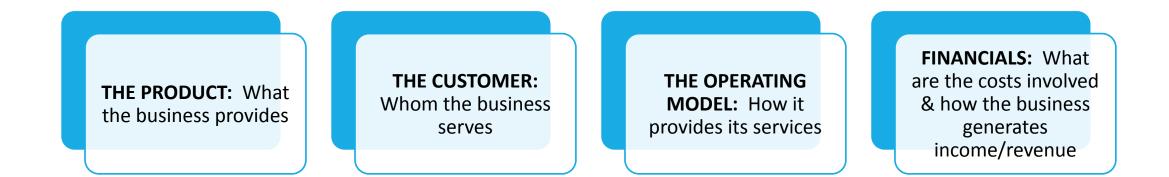
"A business model is supposed to answer who your customer is, what value you can create/add for the customer and how you can do that at reasonable costs." - Peter Drucker

Therefore, a business model is a description of how a company creates, delivers, and captures value for itself as well as the customer.



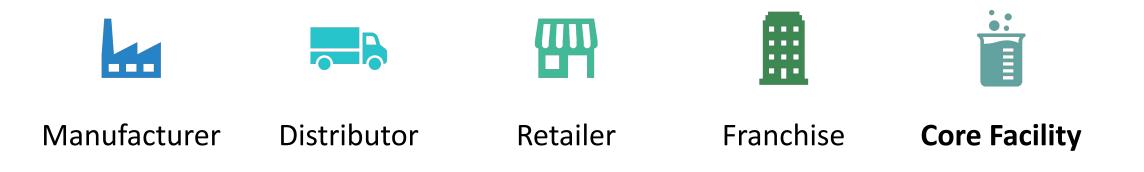


Components of a Business Model 4 Key Aspects





Types of Business Models



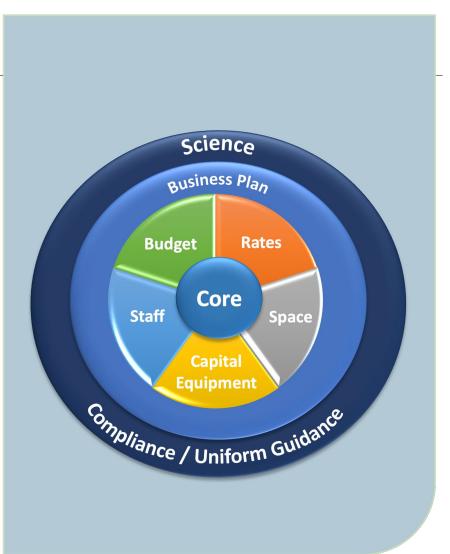


What is a Core Facility

"Core facilities are centralized shared research resources that provide access to instruments, technologies, services, as well as expert consultation and other services to scientific and clinical investigators....."

The typical core facility is a discrete unit within an institution with:

- Dedicated personnel
- Discrete expenses
- Equipment
- Defined space
- User fees to recover costs (Rates)
- Federal funding support either direct or via recharge



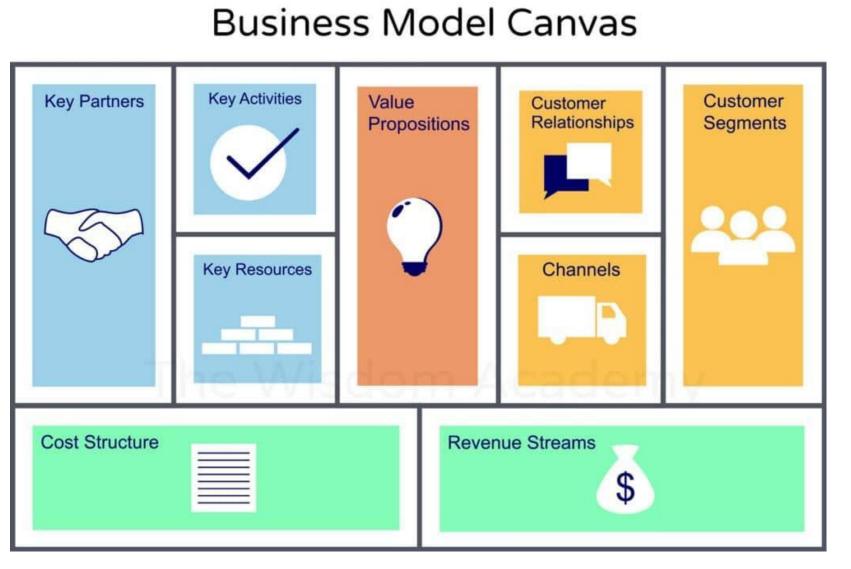


Concept of Cost Recovery vs. Non-Profit

Many core facilities operate as cost recovery systems (recharge or break-even operations), at either full or partial cost recovery.

"Operating at break-even means there is no significant profit or loss resulting from charging users for goods or services in the operating cycle... and any excess surpluses or deficits are eliminated by adjusting future rates."

This differs from a non-profit entity, which can make profit, but the profit goes back into fulfilling the mission of the organization at large instead of going to shareholders or owners.

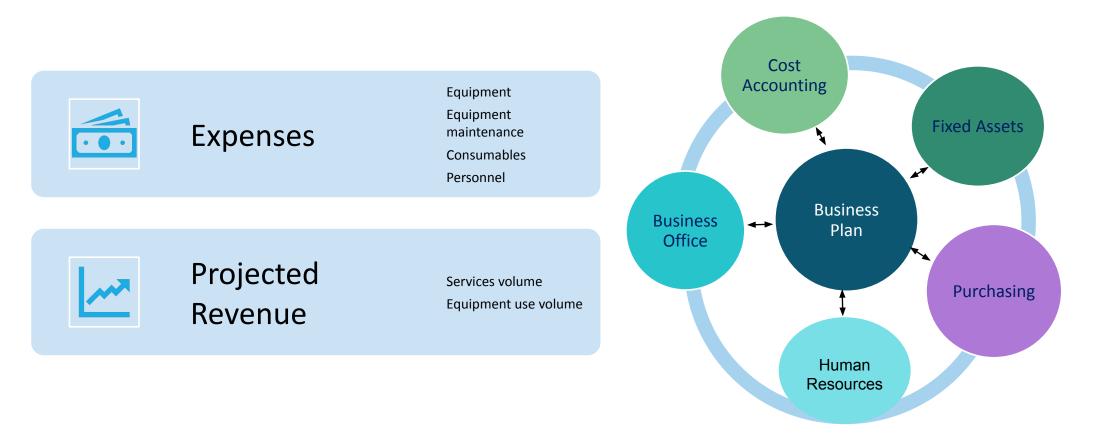


The Business Model Canvas



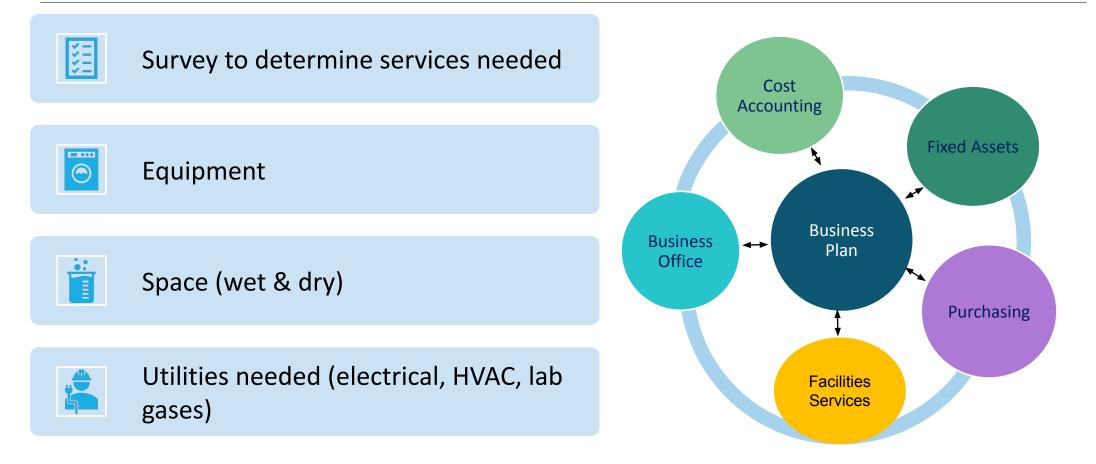
Core Components: Business Planning

Budget Components & Key Partners





Operation Components & Key Partners





Business Considerations:

Why, What, Who, How much, How measured, Who else? Purpose of the core (Value Proposition)

How will services/products be measured – labor/machine hours, per test, CPU unit, etc.? (Cost Structure) Specific services or products offered? (Key Activities)

Will be primary users (internal, external) and what is their source of funding? (Customer Segments)

Demand for the service/product? (Value Proposition) Do other core facilities offer similar services/products? (Value Proposition & Revenue Streams)

Core Facility Considerations - continued

Resources required to operate the core personnel, supplies, equipment, space (Key Partners & Key Resources Will a subsidy be supplied to customers based on center affiliations, department membership, etc.? (Revenue Streams)

What is the estimated life of the core facility? (Value Proposition) Is there a "core evolution" plan to add new and sunset unused services? (Value Proposition)

Core Operations Review

With a focus on scientific expertise, provide a justification for the personnel.

Is there an advisory/oversight committee?

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What additional funding exists to support the service center/core?

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Will the service center/core be supported through user fees, grants, other sources?

Is there a specific request for subsity/other resources to be provided by the institution (e.g. space)?



Where will the services provided take place?

Core Operational Review

Does the core overlap with any existing centers/cores? If so, describe the unique properties and how competition will be avoided.

Can the proposed services be obtained from an outside vendor or contract research organization, and if so, at what cost?

Provide usage statistics, broken down by department/division if service is currently offered.

Compare an equivalent core within your geographic area, with a specific focus on services offered, pricing and usage.

Define the benefits of providing the services onsite rather than outsourcing.



Business Office/Financial Review

Review a detailed description of the proposed goods or services	Who are the customers and their funding sources (e.g. general funds, grants, clinical revenue)	Review the justification for the proposed service	What is the frequency and method of collecting service revenue?
Five-year projections: expenses, revenue and capital equipment needs (instrument longevity)	Review the rate schedule supported by documentation of cost to provide the service	How will unanticipated deficits be supported – is there a defined fund?	Who is responsible for the scientific/technical operations and who is responsible for managing the financial/administrative duties?



Cost Analysis Review

Notice Number: NOT-OD-13-053

Key Dates Release Date: April 8, 2013

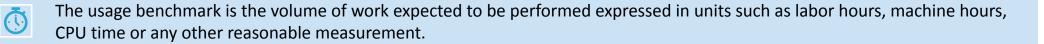
Usually, to become an approved service center and collect revenue, your facility must:



Operate in accordance with Office of Management & Budget (OMB) Uniform Guidance (UG) 2 CRF part 200



Federal regulations require that the cost of goods and services, when material, be charged directly to the applicable awards based on the actual usage of goods and services.





A separate rate should be calculated for each discrete product or service offered to users

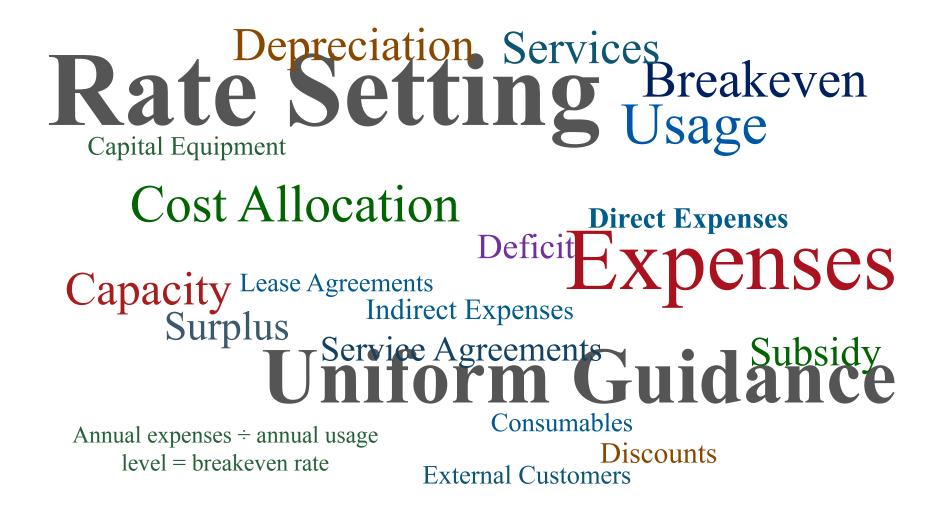


Facilities SHOULD NOT use a billing structure where users are charged a membership fee or any other metric that is not based on actual usage.



REASONABLE INTERPRETATION OF OMB GUIDELINES: The federal government should be charged the lowest possible rate, and all federally funded investigators should be charged equitably.





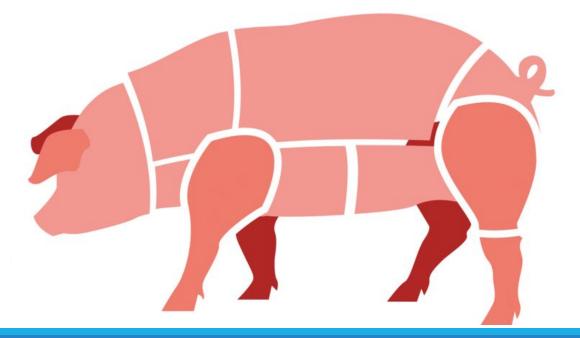
The Association of Biomolecular Resource Facilities

Core Components: Budget

What is an Annual Operating Budget?

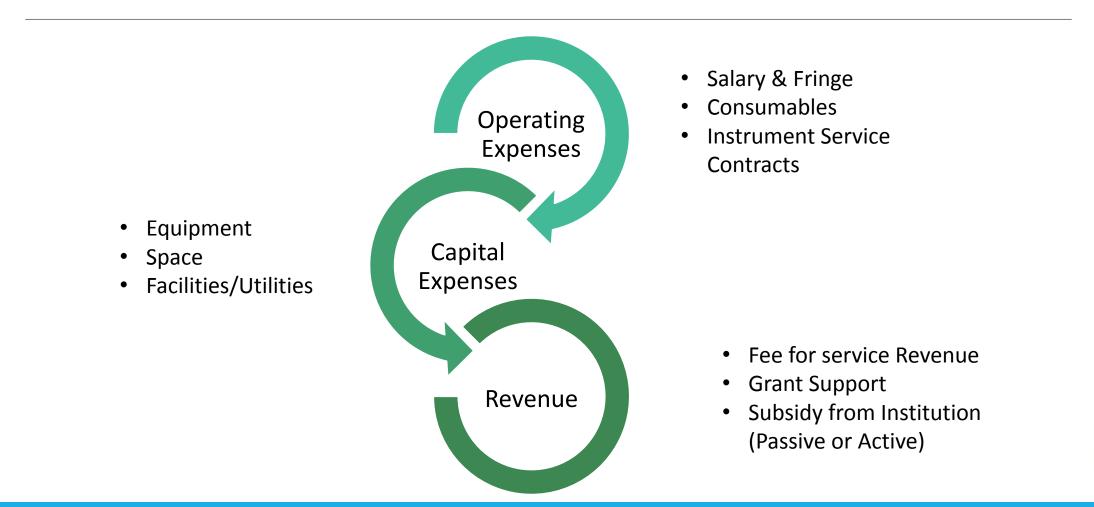
Budget = Plan = Forecast = Annual Estimate = Best Guess

That requires several itemized components be put together from a given time in order to help plan for the future.

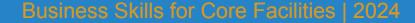




Budget Components



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Budgeting requires informed decision making and acknowledgement of history and vision

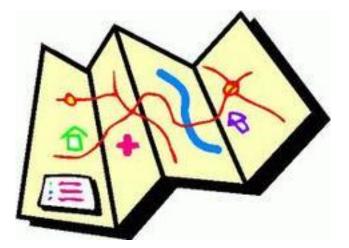
- Know your facility history
- Know the community in which your facility operates: Internal and External
- Know your vision/mission for your facility
- Be sensible
- Enact the smell test
- Remember you are the expert of your facility





Benefits of Knowing Your Budget

- It creates transparency between all stakeholders in decision making processes associated with core facilities
 - Administration
 - Division/Department
 - Financial Administrators
 - Core Directors
 - Core Staff
- You become the navigator of the facility
- Creates a sense of authorization and better front line management of your facility





Key Components: Step 1 – Identify Expenses



People



Equipment and Supplies

- Core Personnel
- Administrators that help the core
- Know their effort in the facility



- PPE
- Instruments
- Supply Gases,
- LN2



Contracts

- Service Agreements
- Standing
 orders
- Know the start and end dates

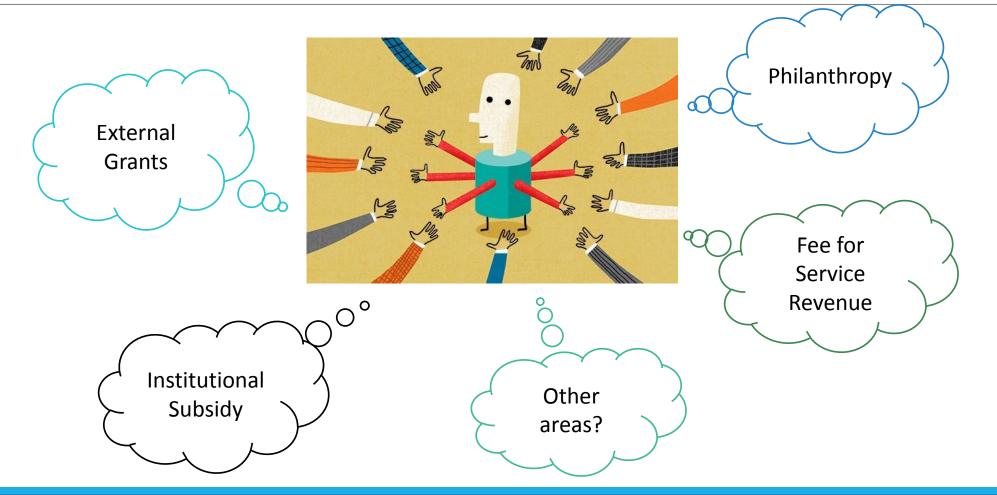


Conferences and Training

- Membership Fees
- Travel Costs
- Conferences
- Training Costs



Key Components: Step 2 – Identify Funding Resources (Revenue)



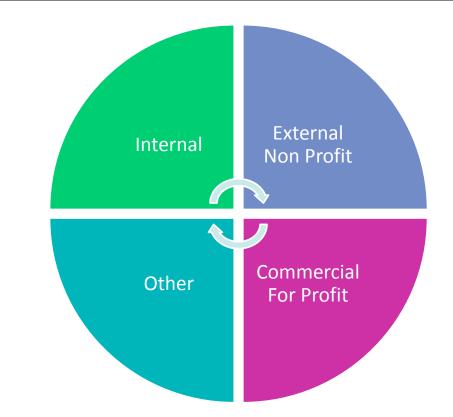
Key Components: Step 3 – Understand your Capacity & Utilization



- Time on Instruments
- Time for Repairs and Maintenance
- Training Time for Customers
- Custom Assays
- Consulting Time



Key Components: Step 4 – Understand your Market





Every Market is

research.

Different – do your









Core Facility Annual Operating Budget					
		FY2017-2018			
		Budget			
FUNDING:					
	Recharge	262,500			
TOTAL FUNDING		262,500			
EXPENSES:					
<u>Personnel</u>					
	Personnel	155,000			
	Fringes (30%)	46,500			
	Service Contracts	45,000			
	Laboratory Supplies	15,000			
TOTAL OPERATING EXPENSES:		261,500			
NET SURPLUS (DEF	ICIT):	1,000			



Core Facility Annual Operating Budget						
		FY2017-2018				
		Budget				
FUNDING:						
	Recharge	262,500				
TOTAL FUNDING		262,500				
EXPENSES:						
<u>Personnel</u>						
	Personnel	155,000				
	Fringes (30%)	46,500				
	Service Contracts	60,000				
	Laboratory Supplies	15,000				
TOTAL OPERATING EX	PENSES:	276,500				
NET SURPLUS (DEFIC	IT):	(14,000)				



	ANNUAL OPERATING BUDGET FACILITY XXXX		FY2017-2018				
Annual			<u>Budget</u>	<u>Source 1</u>	Source 2	Source 3	<u>Recharge</u>
Annual	FUNDING:						
	Recharge		200,000	400.000			200,000
Budget wi	Source 1 (Institution)		100,000	100,000	25.000		
	Source 2 (grant) Source 3 (grant)		25,000 25,000		25,000	25.000	
NAULTIALA	TOTAL FUNDING		350,000	100,000	25,000	25,000 25,000	200,000
Multiple	EXPENSES:		550,000	100,000	25,000	25,000	200,000
– 1.	Personnel	% effort					
Funding	PI	5%	5,000				5,000
•	Fringes		1,500				1,500
Sources	Technical Director	100%	75,000	10,000	-	8,000	57,000
Juices	Fringes		22,500	3,000	-	2,400	17,100
	Personnel #1	100%	50,000	2,500	2,500	5,000	40,000
(Portfolio	Fringes		15,000	750	750	1,500	12,000
	Total Personnel Expense		169,000	16,250	3,250	16,900	132,600
Budget)							
buuget)	Other Expenses						
	Animal Care		30,600	20,000	4,500	6,100	-
	Service Contracts/Maintenance		74,400	50,000	6,750		17,650
	Professional Development		7,500		7,500	2 000	-
	Animal Purchases/Facilities Chrgs		25,000	10.000	-	2,000	23,000
	Laboratory Supplies		35,000	10,000		-	25,000
	Office/Educational Supplies Computers		7,000	3,750	3,000		250
	All Other Supplies		7,000	5,750	5,000		250
	Equipment						
	Travel		1,500				1,500
	Total Other Expenses		181,000	83,750	21,750	8,100	67,400
			_01,000	55,.50	,	0,200	,
	TOTAL OPERATING EXPENSES:		350,000	100,000	25,000	25,000	200,000
	NET SURPLUS (DEFICIT):		0	0	0	0	0



ANNUAL OPERATING BUDGET FACILITY XXXX		FY2017-2018 Budget	Source 1	Source 2	Source 3	<u>Recharge</u>
FUNDING:			<u></u>			<u></u>
Recharge		200,000				200,000
Source 1 (Institution)		100,000	100,000			
Source 2 (grant)		25,000		25,000		
Source 3 (grant)		25,000			25,000	
TOTAL FUNDING		350,000	100,000	25,000	25,000	200,000
EXPENSES:						
<u>Personnel</u>	<u>% effort</u>					
PI	5%	5,000				5,000
Fringes		1,500				1,500
Technical Director	100%		10,000	_	8,000	57,000
Fringes		22,500	3,000		2,400	17,100
Personnel #1	100%		2,500		5,000	40,000
Fringes		15,000	750		1,500	12,000
Total Personnel Expense		169,000	16,250	3,250	16,900	132,600
Other Expenses						
Animal Care		30,600	20,000	4,500	6,100	
Service Contracts/Maintenance		74,400	50,000		0,200	17,650
Professional Development		7,500	00,000	7,500		17,000
Animal Purchases		25,000		-	2,000	23,000
Laboratory Supplies		35,000	10,000		_	25,000
Office/Educational Supplies		,	,			/
Computers		7,000	3,750	3,000		250
All Other Supplies		·				
Equipment						
Travel		1,500				1,500
Total Other Expenses		181,000	83,750	21,750	8,100	67,400
TOTAL OPERATING EXPENSES:		350,000	100,000	25,000	25,000	200,000
NET SURPLUS (DEFICIT):		0	0		0	200,000



ANNUAL OPERATING BUDGET FACILITY XXXX		FY2017-2018 Budget	<u>Source 1</u>	Source 2	Source 3	<u>Recharge</u>
FUNDING:		<u>buuget</u>	Source 1	<u>300102</u>	<u>300108 5</u>	Necharge
Recharge		200,000				200,000
Source 1 (Institution)		100,000	100,000			,
Source 2 (grant)		25,000	,	25,000		
Source 3 (grant)		25,000		,	25,000	
TOTAL FUNDING		350,000	100,000	25,000	25,000	200,00
EXPENSES:				-,	-,	,
Personnel	<u>% effort</u>					
PI	5%	5,000				5,00
Fringes		1,500				1,500
Technical Director	100%	75,000	10,000	-	8,000	57,000
Fringes		22,500	3,000		2,400	17,10
Personnel #1	100%	50,000	2,500		5,000	40,00
Fringes		15,000	750		1,500	12,000
Total Personnel Expense		169,000	16,250	3,250	16,900	132,600
Other Expenses						
Animal Care		30,600	20,000	4,500	6,100	
Service Contracts/Maintenance		74,400	50,000		0,100	17,65
Professional Development		7,500	50,000	7,500		17,05
Animal Purchases/Facilities Chrgs		25,000		7,500	2,000	23,00
Laboratory Supplies		35,000	10,000		2,000	25,000
Office/Educational Supplies		55,000	10,000			23,000
Computers		7,000	3,750	3,000		250
All Other Supplies		7,000	3,730	5,000		200
Equipment						
Travel		1,500				1,50
Total Other Expenses		181,000	83,750	21,750	8,100	67,40
		101,000	03,730	21,750	0,100	07,400
TOTAL OPERATING EXPENSES:		350,000	100,000	25,000	25,000	200,00
NET SURPLUS (DEFICIT):		_	_	_	_	



ANNUAL OPERATING BUDGET FACILITY XXX	Х	FY2017-2018	Course 1		Source 2	Dacharga	
FUNDING:		<u>Budget</u>	Source 1	<u>Source 2</u>	Source 3	<u>Recharge</u>	<u>Check Total</u>
Recharge		200,000				200,000	200,000
Source 1 (Institution)		100,000	100,000			200,000	200,000
Source 2 (grant)		25,000	100,000	25,000			25,000
Source 3 (grant)		25,000		23,000	25,000		25,000
TOTAL FUNDING		350,000	100,000	25,000	25,000		350,000
EXPENSES:		330,000	100,000	23,000	23,000	200,000	550,000
Personnel	<u>% effort</u>						
PI	5%	5,000				5,000	5,000
Fringes		1,500				1,500	1,500
Technical Director	100%	· · · ·	10,000		8,000		75,000
Fringes		22,500	3,000		2,400		22,500
Personnel #1	100%	· · ·	2,500		5,000		50,000
Fringes		15,000	750		1,500		15,000
Total Personnel Expense		169,000	16,250	3,250	16,900	132,600	169,000
Other Expenses							
Animal Care		30,600	20,000	4,500	6,100		30,600
Service Contracts/Maintenance		74,400	50,000	6,750		17,650	74,400
Professional Development		7,500		7,500			7,500
Animal Purchases/Facilities Chrgs		25,000			2,000	23,000	25,000
Laboratory Supplies		35,000	10,000			25,000	35,000
Office/Educational Supplies							0
Computers		7,000	3,750	3,000		250	7,000
All Other Supplies							0
Equipment							0
Travel		1,500				1,500	1,500
Total Other Expenses		181,000	83,750	21,750	8,100	67,400	181,000
TOTAL OPERATING EXPENSES:		350,000	100,000	25,000	25,000	200,000	350,000
NET SURPLUS (DEFICIT):		0	0	0	0	0	0



Monitor through the Year:

Operating Budget, 3rd Quarter Actuals, Year End Projection and Variance 1

Unit	FY20XX-20XX Cor	e Facility #1			
Report Period:	July 1, 20XX -	Mar 31, 20XX			
					Projected
Account Number: XXXXXX	20XX/20XX	Actual	Estimate	20XX/20XX	Variance
Description	Budget	Jul-Mar	Apr-June	Actual + Estimate	6/30/20XX
REVENUE					
Recharges	457,526		96,300		-89,221
Miscellaneous/Others	C	2,379	825	3,204	3,204
Total Revenue	457,526	274,383	97,125	371,508	-86,018
EXPENDITURES					
Salaries					
FTE	1.90	0.60	1.90	1.90	0.00
Permanent	154,486	101,255	26,400	127,655	26,831
Benefits	38,971	42,401	15,000	57,401	-18,430
Subtotal Salaries & Benefits	193,457	143,656	41,400	185,056	8,401
Non-Salary Expenditures					
Communication	2,452	290	96	386	2,066
Computing/Data Process	5,798	565	210	775	5,023
Other Services	C	78,988	22,958	101,946	-101,946
Equipment Mtnce	210,000	0	0	0	210,000
Other Supplies	40,000	41,145	6,010	47,155	-7,155
Travel	5,000	0	2,000	2,000	3,000
Other Expenses	819	587	225	812	7
Subtotal Non-Salary	264,069	121,576	31,499	153,075	110,994
Total Expenses	457,526	265,232	72,899	338,131	119,395
Net Operating Income/(Loss)	-0	9,152	24,226	33,377	33,378



Operating Budget, 3rd Quarter Actuals, Year End Projection and Variance 2

Monitor through the Year:

Unit	FY20XX-20XX Cor	e Facility #1			
Report Period:	July 1, 20XX -	Mar 31, 20XX			
	2010/2010		F	2010/2010	Projected
Account Number: XXXXXX	20XX/20XX	Actual	Estimate	20XX/20XX	Variance
Description	Budget	Jul-Mar	Apr-June	Actual + Estimate	6/30/20XX
REVENUE	544801		, pr bune		0,00,20,00
Recharges	457,526	272,005	96,300	368,305	-89,221
Miscellaneous/Others	C	2,379	825	3,204	3,204
Total Revenue	457,526	274,383	97,125	371,508	-86,018
EXPENDITURES					
Salaries					
FTE	1.90	0.60	1.90	1.90	0.00
Permanent	154,486	101,255	26,400	127,655	26,831
Benefits	38,971	42,401	15,000	57,401	-18,430
Subtotal Salaries & Benefits	193,457	143,656	41,400	185,056	8,401
Non-Salary Expenditures					
Communication	2,452	290	96	386	2,066
Computing/Data Process	5,798	565	210	775	5,023
Other Services	C	78,988	22,958	101,946	-101,946
Equipment Mtnce	210,000	0	0	0	210,000
Other Supplies	40,000		6,010		-7,155
Travel	5,000		2,000		3,000
Other Expenses	819		225		7
Subtotal Non-Salary	264,069		31,499		110,994
Total Expenses	457,526	265,232	72,899	338,131	119,395
Net Operating Income/(Loss)	-0	9,152	24,226	33,377	33,378

Operating Budget, 3rd Quarter Actuals, Year End Projection and Variance 3

Monitor through the Year:

Net Operating Income/(Loss)	-0	-114,593	-22,276	-136,869	-136,869
Total Expenses	260,686	178,809	40,276	219,085	41,601
Subtotal Non-Salary	90,444	42,692	1,336	44,028	46,416
Capital Equipment	0	177	-177	0	0
Other Expenses	0	575	0	575	-575
Travel	4,000	0	200	200	3,800
Other Supplies	83,844	32,659	754	33,412	50,432
Equipment Mtnce	0	0	0		0
Other Services	2,000	8,118	410	8,528	-6,528
Printing, Reproduction	0	58	0	58	-58
Membership & Subscriptions	0	400	0	400	-400
Computing/Data Processing	0	705	150	855	-855
Communication	600	0	0	0	600
Non-Salary Expenditures	-,				,
Subtotal All Salaries & Benefits	170,242	,	38,940		-4,815
Benefits	47,678		10,320		376
Permanent	122,564		28,620		-5,190
FTE	2.00	1.00	2.00	2.00	0.00
Salaries					
EXPENDITURES	200,000	0 1/220	10,000	02)220	1,0,1,0
Total Revenue	260,686		18,000		-178,470
Miscellaneous/Others	0		0		-2,128
Recharges	260,686	66,343	18,000	84,343	-176,343
REVENUE	Duuget	Jui Wai			0/ 30/ 2011
Description	Budget	Jul-Mar		Actual + Estimate	6/30/20XX
Account Number: XXXXXX	2011/20XX	Actual	Estimate	20XX/20XX	Projected Variance
Report Period:	July 1, 20XX -	Mar 31, 20XX			Draigstad
Dowout Doutod.	FY 20XX - 20XX Co				

Technology ation Educat





- Leverage your budget plan
- Ensure your information is good: Garbage in Garbage out
- Don't over analyze/complicate the process
- Monitor, monitor, monitor
- Use insight to understand the numbers
- Talk to your administrators
- Ask questions





Johns Hopkins "Core in a Box"

- Google search terms: JohnsHopkins core in a box
- Select "Core Set Up" then,
 "Starting a New Core
 Facility" then "Budget
 Planning Template"

https://www.hopkinsme dicine.org/research/reso urces/synergy/core-in-abox/ E Core in a Box

Home > Research > Resources > Synergy > Core in a Box > Setur

Starting a New Core Facility



COVID-19 Q SEARCH

CELLS THAT HAVE THIS BLUE COLOR SHADING ARE AVAILABLE TO YOU TO INPUT YOUR NECESSARY DATA. THE DATA WITHIN THESE CELLS ARE PROGRAMMED TO CALCULATE VARIOUS FIGURES THAT WILL CALCULATE YOUR RATES

Overview of Service Center Budget Template

-Template tabs used for input are numbered from 1 to 9. Please complete the analysis in numerical order 9) on the template. Tabs 6-9 are predominantly computed Summary results.

-Tabs 1-9 containing cells highlighted in the BLUE color can be modified to input new values without disrul the formulas linking the various sheets.

-Please contact your school's core facilities contact if you need assistance adding rows or columns.

-This is a budget template; keep in mind your service center may have different information that needs to presented another way.

1 Volume Projections Tab Green Tab)

- Record your anticipated volume for each service

- Determine your unit of measure for each service

- Enter the volume of services by users (both internal and external) so the appropriate rates can be applie each type of user in future tabs.

2 Salaries & Fringe Tab (Red Tab)

- Please input the the following for each employee

- (1) Full name, title, personnel number, annual salary and fringe rate for each individual related to the serv
- (2) Enter the percent effort it takes for each individual to complete each service
- (3) Check to make sure you have allocated the total effort assigned to the service center for each individu

3 Other Direct Expenses (Red Tabs)

- Enter service specific or fixed costs such as equipment leases, service contracts, kit costs, and consumsupplies for each service

4 Admin & Overhead Expenses (Red Tabs)

- Enter non-service specific or overhead costs to operate the service center. This includes one-time costs such as travel, membership fees, large one time part repairs, rent, and administrative personnel.

5 Equipment Depreciation (Red Tab)

-Enter the detailed information (model, serial #, purchase price) for each piece of equipment with book valyour service center.

-For each piece of equipment, allocate the percent of usage for each service

^				-					-					•	
	Instructions	1 Volume	Projections	2 Sala	ry & Fringe	3 Other	Direct Exp	enses	4 Adm	in Ove	erhead E	Expenses	5	Equipmer	it Deprecia

Core in a Box Budget Setting Template

Tab 1: Volume Projections

Service Center Name Core Director: Budget Number	Sleep Center Core Facility Dr. Smith 80035520					
Sector and the sector and the sector and	he blue highlighted cells					
	automatically populated or protected.					
				Internal	External Non-Profit	External For-Profit
Service #	Service Description	Metric	Total Estimated Annual Usage	University Users	Non-Profit Universities & State Agencies	For-Profit Corporations, Pharma, etc.
Example:						
Service 1		Machine Hours	105	100		5
Service 2		Completed Test	30	15	15	
Service 1	Database Initiation	Start-up	4	4	-	-
Service 2	Database Yearly Maintenance	Yearly	10	10		24.
Service 3	Baseline Polysomnography (PSG)	Completed Test	175	175	-	+
Service 4	Sleep Fragmentation	Completed Test	17	17	-	194 7 -
Service 5	Forced Awakening Protocol	Completed Test	32	32	-	-
Service 6	CPAP and/or Oxygen	Completed Test	12	12		
Service 7	Transcutaneous CO2 Administration	Completed Test	24	24	-	-
Service 8	Quanitative Snoring Measures (dBA)	Completed Test	12	12	-	-
Service 9	HST Ambulatory Setup	Completed Test	12	12		1 ()
Service 10	PSG & NOXT3 Scoring / Interpretation / Reporting	Completed Test	500	500	-	
Service 11	Specialized Reports	Completed Test	32	32	T.	
Service 12	Data Mangement	Hourly	1,600	1,600		
Service 13	RPSGT Services	Hourly	1,320	1,320		
	1	Total By Users	3,750 🖡	3,750	[-	Research - Te Communicati

Tab 2: Salary & Fringe

L														Sle*	Jep Cer	iter C	Core Faci	.ility																		/
															Salar	v and	l Fringe																			
															-		ar 2023																			/
1	1	(· · · · · ·	Ϋ́		í Tr	1	· · · · · ·		, <u> </u>	1	, <u> </u>		1.000			, <u> </u>			1							\Box	í	\Box			í		· [· · · · ·	· · · · · · · · · · · · · · · · · · ·
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								Sar	vice Descrip	intion																				Ser	vice Descrip	rintion			4	
								Geren	28 Descrip		Database		Baseline	<u> </u>						T	Transcutan	Qur	anitati v				PSG &			36141	CE Descrip	Juon				
									4		Yearly		Polysomn	33332 B	Sleep		Forced		CPAP		eous CO2		noring		HST		NOX T3					A V			4 - V	4 /
									Database	S	Maintena		ography		Fragment	2010 - Distance - Dist	Awakenin		andlor	1	Adm ini stra		asures		Ambulato		Scoring I		Specialize	2222					$\overline{1}$	1
									Initiation		nce		(PSG)		ation	0	g Protocol		Oxygen		tion	(0)*	(dBA)	ry	ry Setup	IP	Interpretati		d Reports		Data Mange	ement	RPSGT Sr	ervices	4V	4
		JHU			A = 7	Fringe	Fringe	Total	4																							<u> </u>			4 V	
		0.000	NOT 1221		Effort	Benefit		Salary & FB	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	% of	100 100 10000000		100 C	N32		37780		1000	Service %	10000	1.0000 000 0000000000000000000000000000			32	Service 1	37.77		36			10000	26	Service			
	Title	_ *	Salary \$	Effort %	Amount\$	Rate %	Amount\$	\$ '	Service #1	Time	Service #2 T	lime	#3 1	Time	#4	Time	#5	Time	#6 Ti	ime S	Service #7 Tin	ne y	#8 Tin	lime	#9 T	Time	#10	Time	#11	Time	#12	Time	#13	Time		Comments
Example:			+ 10.000	+	40.000		40.000	I	t	- TON					'												I		.t'							Check Total Must
	Technician	99999	48,000							50%	32,160	50%		U%	- · ·	0%	-	U%		0%	· · · · ·		·			0%		0%	- '	<u> </u>	· · · · ·	10%	· · · ·	0%	100 %	K Equal % Effort
John Smith	Overreading PSGs		183,000					24,522						-		-					·		_				24,522	100%		÷	· · · · · · · · · · · · · · · · · · ·	- - - -	·	- - - -	100%	.t/
	Data Analyst / Admin		73,181		65,863		22,393	88,256		4%	2,648	3%	4,413	5%	′	_	·		·						·				2,648		75,018	85%	·	· 7	100%	<u>+</u>
27.5	RPSGT		57,000		Xi 57,000			76,380						-	⁷	-			·								34,371	45%	· ``	· -	·		42,009	55%	6 100%	
Nancy Noble	RPSGT		38,469		% 38,469			51,548			<u> </u>		43,816		2,577	1000 C	2,062		1,031	2%	1,031	and a second	515	1%	515	1				÷			t	· · · ·	100%	+
I		I	351,650	I	179,632		61,075	240,707	7 3,530	<u> </u>	2,648		48,229		2,577		2,062		1,031		1,031		515		515		58,893		2,648		75,018		42,009	<u> </u>	· ا	I



Tab 3: Other Direct Expenses

		•	,					Slee	∍p Cer	nter Cor	re Fa	cility								-			
								Oʻ	ther D	Direct Exp	pense	S.											
										al Year 2													
			· · · · · ·	T	[1	· · · · · ·	1						[]				,,					1
Please enter data in the blue highlighted	d cells			[†]		ļļ		′															
Do not fill. These are automatically popu	e automatically populated or protected.																						
										S	ervice D	escription								PSG & NO	у тз		
		Databa Initiati		Database Y Maintena		Baselir Polysomno y (PSG	ograph	Sleep Fragment		Force Awaker Protoc	ning	CPAP ar Oxyge	nd/or	Transcuta CO2 Administr	2	Quanita Snori Measures	ing	HST Ambu Setu		Scoring	g/ tion/		
Description of Service or Supply	Total	Service #1	%of Time		%of Time			Service		Service	%of Time	Service #6	%of Time	Service #7	%of Time	Service #8	%of Time	Service #9	% of Time	Service #10	% of Time		Comments
Example:	1.0000				++			1						,									Solution
Equipment Maintenance Agreement	5,000	5,000	100%	- ¹	0%	4 <u> </u>	0%		. 0%	·	0%	-	0%	-	0%	-	0%	-	0%		0%	100%	Check Total Must
Supplies (e.g. equipment supplies)	1,200	600	50%	600	50%		0%	-	. 0%	·	0%	-	0%		0%	-	0%		0%		0%	100%	Equal 100%
PSG Supplies	4,925	-		<u> </u>		4,925		<u> </u>		- '						-				<u> </u>		100%	
Data Storage	2,880	-		/		2,880				· '				-		-				<u> </u>		100%	,
SQL DATABASE Hosting	1,200	-		<u> </u>		1,200		<u>-</u> '		-				-		-		-		-		100%	·
		-		⊿ ™		<u> </u>	100%	<u> </u>		⊿ '		_		- '		-				-		100%	i



Tab 4: Admin Overhead Expenses

	·								*						
		Sleep	Cent	er Co	re Fa	acility									
		Adm	inistrative	Overhea	ad Expe	nses									
			Fisca	al Year 20	023										
	lease enter data in the blue highlighted cells														
Please enter data in the blue highlighted cel	ls														
Do not fill. These are automatically populate	d or protecte	d.													
	Annual		Effort	Fringe Benefit	Fringe Benefits	Less: University	Other/Non-								
Description of Service of Supply	Salary	Effort %	Amount	Rate %	Amount	Subsidy	Salary	Total	Comments						
Ex ample:															
Administrative Staff	50,000	100%	50,000	27.6%	13,800	(40,000)		23,800							
General Office Supplies							500	500							
Lan service			1,908		-			1,908							
Telephone			531		-			531							
Technical Advisor			5,000	34.0%	1,700			6,700							
Patient Coordinator			5,000	34.0%	1,700			6,700							
Manager	73,181	10%	7,318	34.0%	2,488			9,806							
	73,181		19,757		5,888	-	-	25,645							



Tab 5: Equipment Depreciation

					31	-			e Facil	пу									
						Εqι	uipment	Depreci	ation										
							Fiscal Y	/ear 2023	3										
Please enter data in the blu	e highlighted cells																		
	atically populated or protecte	d																	
o notim. These are autom	abouily populated of proceed	M.			I														
												Service Descri	ption						
This tab is for purcha	This tab is for purchased equpiment only. If you are leasing your equipment, please enter the expense on tab 3 Other Direct Expenses Expenses Baseline Forced Database Yearly Polysom nograph Sleep Awakening																		
		F	Expenses									100000000	Concerning and the second	Clear		Forc			
									Database	Initiation	Maintenanc		and the second second	Sleep Fragment	2	Proto			
				-				2 2	Database	innuation	Mantenario		<u> </u>	riaginent		FIOLO			
			BU Asset ID	Acquisition	Purchase	Accum.	Useful	Annual			%	of	% of		% of	Service	% of	Check	
Equipment Description	Serial #	Model #	(Tag) #	Date	Price	Depr.**	Life	Depr.**	Comico 44	W of Lies no.				O	11	200 0			•••••
			(1				LILE	Dept.	Service #1	7 Or Osage	Service #2 Us	ige Service #	Usage	Service #4	Usage	#5	Usage	TUTAL	comments
Example:			(1×3)				LILE	Бері.	Service #1	78 Of Osage	Service #2 US	ige Service #	Usage	Service #4	Usage	#5	Usage		Comments Check Total M
Ultraviolet/Visible spectrophotomete	ABC1 2345	00499999	888555	1/1/12	85,000	15,938	8.00	10,625	10,625	100%		0% -	0sage		Usage 0%	# 5	0%		Comments Check Total Mi Equal 100 %
Utraviolet√isible spectrophotomete Embla N7000 US-Somno	ABC12345 2008-C0811026-CU-0320	00499999	888555 JHU:0077800	1/1/12 2/11/09	85,000 14,460	15,938 14,460	8.00 10.00]			_				#5 - -			Check Total M
Utraviolet/Visible spectrophotomete Embla N7000 US-Somno Embla N7000 US-Somno	ABC12345 2008-C0811026-CU-0320 2008-C0811059-CU-0320	00499999	888555 JHU: 0077800 JHU: 0077797	1/1/12 2/11/09 2/11/09	85,000 14,460 14,460	15,938 14,460 14,460	8.00 10.00 10.00]			_	0%			#5 - -			Check Total M
Utraviolet/Visible spectrophotomete Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno	ABC12345 2008-C0811026-CU-0320 2008-C0811059-CU-0320 2008-C0820002-CU-0320	00499999	888555 JHU: 0077800 JHU: 0077797 JHU: 0077796	1/1/12 2/11/09 2/11/09 2/11/09	85,000 14,460 14,460 14,460 14,460	15,938 14,460 14,460 14,460	8.00 10.00 10.00 10.00]			0% -	0%						Check Total M
Utraviolet/Visible spectrophotomete Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno	ABC12345 2008-C0811026-CU-0320 2008-C0811059-CU-0320 2008-C0820002-CU-0320 2009-CU-C1000200-0320	00499999	888555 JHU:0077800 JHU:0077797 JHU:0077796 JHU:0083466	1/1/12 2/11/09 2/11/09 2/11/09 2/11/09	85,000 14,460 14,460 14,460 14,460 14,460	15,938 14,460 14,460 14,460 14,460 14,460	8.00 10.00 10.00 10.00 10.00]				0%						Check Total M
Utraviolet/Visible spectrophotomete Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno	ABC12345 2008-C0811026-CU-0320 2008-C0811059-CU-0320 2008-C0820002-CU-0320 2009-CU-C1000200-0320 2008-C0907059-CU-0320	00499999	888555 JHU:0077800 JHU:0077797 JHU:0077796 JHU:0083466 JHU:0083465	1/1/12 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09	85,000 14,460 14,460 14,460 14,460 14,460	15,938 14,460 14,460 14,460 14,460 14,460 14,460	8.00 10.00 10.00 10.00 10.00 10.00]				0%						Check Total M
Utraviolet/Visible spectrophotomete Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno	ABC12345 2008-C0811026-CU-0320 2008-C0811059-CU-0320 2008-C0820002-CU-0320 2009-CU-C1000200-0320 2008-C0907059-CU-0320 2008-C0820031-CU-0320	00499999	888555 JHU:0077800 JHU:0077797 JHU:0077796 JHU:0083466 JHU:0083465 JHU:0077798	1/1/12 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09	85,000 14,460 14,460 14,460 14,460 14,460 14,460 14,460	15,938 14,460 14,460 14,460 14,460 14,460 14,460 14,460	8.00 10.00 10.00 10.00 10.00 10.00 10.00]				0%			6% - - - - - - -			Check Total M
Utraviolet/Visible spectrophotomete Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno	ABC12345 2008-C0811026-CU-0320 2008-C0811059-CU-0320 2008-C0820002-CU-0320 2009-CU-C1000200-0320 2008-C0907059-CU-0320	00499999	888555 JHU:0077800 JHU:0077797 JHU:0077796 JHU:0083466 JHU:0083465	1/1/12 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09	85,000 14,460 14,460 14,460 14,460 14,460	15,938 14,460 14,460 14,460 14,460 14,460 14,460	8.00 10.00 10.00 10.00 10.00 10.00]				0%			6% - - - - - - - - - -			Check Total M
Utraviolet/Visible spectrophotomete Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno	ABC12345 2008-C0811026-CU-0320 2008-C0811059-CU-0320 2008-C0820002-CU-0320 2009-CU-C1000200-0320 2008-C0907059-CU-0320 2008-C0820031-CU-0320	00499999	888555 JHU:0077800 JHU:0077797 JHU:0077796 JHU:0083466 JHU:0083465 JHU:0077798	1/1/12 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09	85,000 14,460 14,460 14,460 14,460 14,460 14,460 14,460	15,938 14,460 14,460 14,460 14,460 14,460 14,460 14,460	8.00 10.00 10.00 10.00 10.00 10.00 10.00]				0%					100% 0% 0% 0% 0% 0%	Check Total M
Utraviolet/Visible spectrophotomete Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno	ABC12345 2008-C0811026-CU-0320 2008-C0811059-CU-0320 2008-C0820002-CU-0320 2009-CU-C1000200-0320 2008-C0907059-CU-0320 2008-C0820031-CU-0320 2008-C0811088-CU-0320	00499999	888555 JHU:0077800 JHU:0077797 JHU:0077796 JHU:0083466 JHU:0083465 JHU:0077798 JHU:0077799	1/1/12 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09	85,000 14,460 14,460 14,460 14,460 14,460 14,460 14,460 14,460	15,938 14,460 14,460 14,460 14,460 14,460 14,460 14,460 14,460	8.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00]				0%			6% - - - - - - - - - - - - - - -		100% 0% 0% 0% 0% 0% 0%	Check Total M
Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno Embla N7000 US-Somno	ABC12345 2008-C0811026-CU-0320 2008-C0811059-CU-0320 2008-C0820002-CU-0320 2009-CU-C1000200-0320 2008-C0907059-CU-0320 2008-C0820031-CU-0320 2008-C0811088-CU-0320	00499999	888555 JHU:0077800 JHU:0077797 JHU:0077796 JHU:0083466 JHU:0083465 JHU:0077798 JHU:0077799	1/1/12 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09 2/11/09	85,000 14,460 14,460 14,460 14,460 14,460 14,460 14,460 14,460	15,938 14,460 14,460 14,460 14,460 14,460 14,460 14,460 14,460	8.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00]				0%			6% - - - - - - - - - - - - - - - - - - -		100% 0% 0% 0% 0% 0%	Check Total M



Tab 5: Equipment Depreciation (cont.)

5-Year Equipment	Purchasing Plan						
	ent you plan to purchase in each y	ear.					
Equipment Description	Purchase Price	Useful Life	Year 1 (FY23)	Year 2 (FY24)	Year 3	Year 4	Year 5
Data Acquisition Equipment	15,000	5.00		15,000			-
Total 5-Year Depreciatio	15,000 n Schedule		-	15,000	-	•	-
	ed depreciation in each year base	d on the nu	rhase price and	us ofiul life			
Equipment Description	Purchase Price	Useful Life		Year 2	Year 3	Year 4	Year 5
Data Acquisition Equipment	15,000	5.00		3,000	3,000	3,000	3,000
Total	15,000		-	3,000	3,000	3,000	3,000



Tab 6: Expense Summary

	· · ·	· ·	·	Slee	p Cent	er Cor	e Facil	lity		~	~	~	~	· · · ·	
					-		alculation o								
						al Year 202									
Please enter data in the blue highlighted cells															
Do not fill. These are automatically populated o	r protected.														
		Service 1	Service 2	Service 3	Service 4	Service 5	Service 6	Service 7	Service 8	Service 9	Service 10	Service 11	Service 12	Service 13	_
Allowable Costs:		Database	Database Yearly Maintenance	Baseline Polysomnogra phy (PSG)	Sleep Fragmentation	Forced Awakening Protocol	CPAP and/or Oxygen	Transcutaneo us CO2 Administration	Quanitative Snoring Measures	HST Ambulatory Setup	PSG & NOX T3 Scoring / Interpretation /	Specialized Reports	Data Mangement	RPSGT Services	Total
	- 101112									· ·					
Salary and Wage Expenses (From Salary and Wage	e vv orksneet)	3,530	2,648	48,229	2,577	2,062	1,031	1,031	515	515	58,893	2,648	75,018	42,009	240,70
Other Expenses (From Other Expenses Worksheet)			<u> </u>	9,005	· ·	-	· ·	· ·			· ·				9,00
Depreciation (From Equipment Depreciation Worksh	eet)	-			-	-	·	- -	-	-	· ·	· ·	-	· ·	
Total Direct Operating Costs		3,530	2,648	57,234	2,577	2,062	1,031	1,031	515	515	58,893	2,648	75,018	42,009	249,71
Admin Overhead Expenses (From Admin Overhead B Prior Year Deficit (Surplus) Adjustment	Exps Worksheet)	24,300													25,64
Total Allowable Overhead															5,64
% of Allowable Overhead to Total Direct Operating C	osts														2
Administrative Overhead Allocation		80	60	1,294	58	47	23	23	12	12	1,331	60	1,696	950	5,64
Total Allowable Costs		3,610	2,708	58,528	2,636	2,109	1,054	1,054	527	527	60,224	2,708	76,714	42,959	255,35
Volume Projections of Good or Service:															
Total Number of Units Per Year (From Volume Proje	ctions Worksheet)	4	10	175	17	32	12	24	12	12	500	32	1,600	1,320	
Cost Per Unit:		\$ 903	\$ 271	\$ 334	\$ 155	\$ 66	\$ 88	\$ 44	\$ 44	\$ 44	\$ 120	\$ 85	\$ 48	\$ 33	U R



Tab 7: Proposed Rates

		Sle	ep Cer	iter Co	re Fac	ility	~	~		v	·			
			-		ed Rate(s)									
				cal Year 2										
			1.13		1	1	[1	1		
		Service #1	Service #2	Service #3	Service #4	Service #5	Service #6	Service #7	Service #8	Service #9	Service #10	Service #11	Service #12	Senice #13
		Service #1	Database	Baseline	Scivice #4	Forced	5014100 //0	Transcutaneo		HST	PSG & NOX	Scivice #11	3014100 // 12	3014100 // 13
		Database	Yearly	Poly somnogra	Sleep	Awakening	CPAP and/or		Snoring	Ambulatory	T3 Scoring /	Specialized	Data	RPSGT
		Initiation	M ainten anc e	· -	F ragmentation	Protocol	Oxygen	Administration	-	Setup	Interpretation /	Reports	Mangement	Services
Recommended/Calculated Cost Per Unit (From Begense	Summary)	903	271	334	155	66	88	44	44	44	120	85	48	33
Charge Per Unit: (Please enter unit price)		650	360	425	220	50	25	25	25	75	125	25		36
Proposed Rate(s):														
Internal:		650	360	425	220	50	25	25	25	75	125	25	50	36
Rate Distribution:														
Operations		650	360	425	220	50	25	25	25	75	125	25	50	36
Equipment Reserve		· ·	· ·		-			· ·		· ·	· ·		· ·	-
External - Non-Profit		650	360	425	220	50	25	25	25	75	125	25	50	36
* typically internal rate														
Rate Distribution:			<u> </u>									<u> </u>		
Operations		650	360	425	220	50	25						50	36
Equipment Reserve		· ·	•		•	•	-		-	· ·			·	-
JHU F&A		-	· ·	•	-	•		· ·	· ·	· ·	· ·	· ·	· ·	
External - For-Profit:		1,118	619	731	378	86	43	43	43	129	215	43	86	62
*internal rate plus applicable Indirect Cost rate up to market(see below)														
Indirect Cost Rate To Charge:	72.00%		l		l	l	[ļ		
Rate Distribution:			<u> </u>			L		<u> </u>						
Operations		650	360	425	220	50	25					1	50	36
Equipment Reserve		-			-	•							-	
JHU F&A		468	259	306	158	36	18	18	18	54	90	18	36	26
The approved Federal Indirect Cost Rates (F&A) are as foll	ows:										-			
	Rates													
	2.00%													
Off-Campus 34	4.00%													



Tab 8: Revenue Summary

			s	ummary of	Projected	Revenues	;							
				_	al Year 20									
				_										
	Service #1	Service #2	Service #3	Service #4	Service #5	Service #6	Service #7	Service #8	Service #9	Service #10	Service #11	Service #12	Service #13	
		Database	Baseline		Forced		Transcutaneo	Snoring	HST	T3 Scoring /				
	Database	Yearly	Polysomnogra	Sleep	Awakening	CPAP and/or		Measures	Ambulatory	Interpretation /	Specialized	Data	RPSGT	
	Initiation	Maintenance	phy (PSG)	Fragmentation	Protocol	Oxygen	Administration	(dBA)	Setup	Reporting	Reports	Mangement	Services	Totals
Requested Rate(s)														
Internal (From Proposed Rate(s) Worksheet)	650	360	425	220	50	25	25	25	75	125	25	50	36	2,091
External - Non-Profit (From Proposed Rate(s) Worksheet)	650	360	425	220	50	25	25	25	75	125	25	50	36	2,091
External - For-Profit (From Proposed Rate(s) Worksheet)	1,118	619	731	378	86	43	43	43	129	215	43	86	62	3,597
Projected Volume:														
Internal (From Volume Projections Worksheet)	4	10	175	17	32	12	24	12	12	500	32	1,600	1,320	3,750
External - Non-Profit (From Volum e Projections Worksheet)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
External - For-Profit (From Volume Projections Worksheet)		-	-	-	-	-	-		-	-	-	-	-	-
Total Projected Volume	4	10	175	17	32	12	24	12	12	500	32	1,600	1,320	3,750
Projected Revenue:														
Internal	2,600	3,600	74,375	3,740	1,600	300	600	300	900	62,500	800	80,000	47,520	278,835
External - Non-Profit (From Proposed Rate(s) Worksheet)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
External - For-Profit (From Proposed Rate(s) Worksheet)		-	-	-	-		-	-	-	-	-	-	-	-
Total Projected Revenue	2,600	3,600	74,375	3,740	1,600	300	600	300	900	62,500	800	80,000	47,520	278,835



		Sleep Center Co	re I	Facility								
	S	ervice Center 5 Ye		-	on							
Please enter data in the blue highlighted cells	-		_						_			
Do not fill. These are automatically populated or	r pro	itected	-		-				-		<u> </u>	
be not init. These are additionablely populated of	pre				-				-			
Start Date (MM/DD/YY):		07/01/22	-								-	
Months In Service During Year 1:		12.0									-	
Inflation Factor.		3%										
Start-Up Lag (% of total expected volume in Year 1):		100%										
			F	Y2023								
REVENUE		FY 2023 Total	L	agged	F	Y 2024	F	TY 2025		FY 2026	F	Y 2027
Services:												
Database Initiation	\$	2,600	\$	2,600	\$	2,678	\$	2,758	\$	2,841	\$	2,926
Database Yearly Maintenance	\$	3,600	\$	3,600	\$	3,708	\$	3,819	\$	3,934	\$	4,052
Baseline Polysomnography (PSG)	₹\$	74,375	\$	74,375	\$	76,606	\$	78,904	\$	81,272	\$	83,710
Sleep Fragmentation	\$	3,740	\$	3,740	\$	3,852	\$	3,968	\$	4,087		4,209
Forced Awakening Protocol	\$	1,600	<u> </u>	1,600	<u> </u>	1,648		1,697	<u> </u>	1,748	\$	1,801
CPAP and/or Oxygen	\$	300		300			\$	318		328		338
Transcutaneous CO2 Administration	\$	600	_	600	1	618	<u></u>	637		656		675
Quanitative Snoring Measures (dBA)	\$	300		300		309		318		328		338
HST Ambulatory Setup	\$	900		900		927		955		983		1.013
PSG & NOX T3 Scoring / Interpretation / Reporting	\$	62,500	<u> </u>	62,500	<u> </u>	64.375		66.306	<u> </u>	68.295		70.344
Specialized Reports	\$	800		800		824		849		874		900
Data Mangement	\$	80.000	_	80,000	- -	82,400		84,872		87,418		90,041
RPSGT Services	\$	47,520	<u> </u>	47,520		48,946		50,414		51,926	\$	53,484
TOTAL REVENUE	\$	278,835		278,835	\$	287,200	\$	295,816	\$	304,691	\$	313,831
	30				87. 							
			1.00	Y2023								
		FY 2023 Total	1.00	Y2023 agged	F	Y 2024	F	TY 2025	I	FY 2026	F	Y 2027
Salaries & Fringe:			L	agged								
Salaries & Fringe: John Smith	\$	24,522	L \$	agged 24,522	\$	25,258	\$	26,015	\$	26,796	\$	27,600
Salaries & Fringe: John Smith	\$	24,522 88,256	L \$ \$	24,522 88,256	\$ \$	25,258 90,904	\$ \$	26,015 93,631	\$ \$	26,796 96,440	\$ \$	27,600 99,333
Salaries & Fringe: John Smith Bill Jones	\$ \$	24,522	L \$ \$	agged 24,522	\$ \$	25,258	\$ \$	26,015	\$ \$	26,796 96,440 83,462	\$ \$ \$	27,600 99,333 85,966
Salaries & Fringe: John Smith Bill Jones Sid Vishus Nancy Noble	\$ \$ \$	24,522 88,256 76,380 51,548	L \$ \$ \$ \$	24,522 88,256 76,380 51,548	\$ \$ \$ \$	25,258 90,904 78,671 53,095	\$ \$ \$ \$	26,015 93,631 81,032 54,688	\$ \$ \$ \$	26,796 96,440 83,462 56,328	\$ \$ \$ \$	27,600 99,333 85,966 58,018
Salaries & Fringe: John Smith Bill Jones Sid Vishus Jancy Noble	\$ \$	24,522 88,256 76,380	L \$ \$ \$ \$	24,522 88,256 76,380	\$ \$ \$	25,258 90,904 78,671 53,095	\$ \$ \$	26,015 93,631 81,032	\$ \$ \$	26,796 96,440 83,462	\$ \$ \$	27,600 99,333 85,966 58,018
Salaries & Fringe: John Smith Bill Jones Sid Vishus Vancy Noble Sub-Total Salaries & Fringe Benefits	\$ \$ \$	24,522 88,256 76,380 51,548	L \$ \$ \$ \$	24,522 88,256 76,380 51,548	\$ \$ \$ \$	25,258 90,904 78,671 53,095	\$ \$ \$ \$	26,015 93,631 81,032 54,688	\$ \$ \$ \$	26,796 96,440 83,462 56,328	\$ \$ \$ \$	27,600 99,333 85,966 58,018
Salaries & Fringe: John Smith Bill Jones Sid Vishus Nancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs:	\$ \$ \$	24,522 88,256 76,380 51,548 240,707	L \$ \$ \$ \$ \$	24,522 88,256 76,380 51,548 240,707	\$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928	\$ \$ \$ \$	26,015 93,631 81,032 54,688 255,366	\$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027	\$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918
Salaries & Fringe: John Smith Bill Jones Sid Vishus Vancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs: Dther Direct Costs	\$ \$ \$	24,522 88,256 76,380 51,548	L \$ \$ \$ \$ \$ \$ \$	24,522 88,256 76,380 51,548	\$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275	\$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 255,366 9,553	\$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840	\$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135
Salaries & Fringe: John Smith Bill Jones Sid Vishus Vancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs Dther Direct Costs Equipment Depreciation Expenses	\$ \$ \$	24,522 88,256 76,380 51,548 240,707 9,005	L \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	agged 24,522 88,256 76,380 51,548 240,707 9,005	\$ \$ \$ \$ \$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275 3,000	\$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 255,366 9,553 3,000	\$ \$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840 3,000	\$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135 3,000
Salaries & Fringe: John Smith Bill Jones Sid Vishus Vancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs Dther Direct Costs Equipment Depreciation Expenses	\$ \$ \$	24,522 88,256 76,380 51,548 240,707	L \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,522 88,256 76,380 51,548 240,707	\$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275	\$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 255,366 9,553	\$ \$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840	\$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135 3,000
Salaries & Fringe: John Smith Bill Jones Sid Vishus Vancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs Other Direct Costs Equipment Depreciation Expenses Admin Overhead Expense	\$ \$ \$ \$	24,522 88,256 76,380 51,548 240,707 9,005 - 25,645	L \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	agged 24,522 88,256 76,380 51,548 240,707 9,005 - 25,645	\$ \$ \$ \$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275 3,000 26,415	\$ \$ \$ \$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 255,366 9,553 3,000 27,207	\$ \$ \$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840 3,000 28,023	\$ \$ \$ \$ \$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135 3,000 28,864
Salaries & Fringe: John Smith Bill Jones Sid Vishus Nancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs Other Direct Costs Equipment Depreciation Expenses Admin Overhead Expense	\$ \$ \$	24,522 88,256 76,380 51,548 240,707 9,005	L \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	agged 24,522 88,256 76,380 51,548 240,707 9,005	\$ \$ \$ \$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275 3,000	\$ \$ \$ \$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 255,366 9,553 3,000	\$ \$ \$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840 3,000	\$ \$ \$ \$ \$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135 3,000 28,864
Salaries & Fringe: John Smith Bill Jones Sid Vishus Nancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs Other Direct Costs Equipment Depreciation Expenses Admin Overhead Expense Sub-Total Non-Salary Costs	\$ \$ \$ \$	24,522 88,256 76,380 51,548 240,707 9,005 - 25,645 34,650	L \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	agged 24,522 88,256 76,380 51,548 240,707 9,005 - 25,645 34,650	\$ \$ \$ \$ \$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275 3,000 26,415	\$ \$ \$ \$ \$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 255,366 9,553 3,000 27,207 39,760	\$ \$ \$ \$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840 3,000 28,023	\$ \$ \$ \$ \$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135 3,000 28,864 41,999
Salaries & Fringe: John Smith Bill Jones Sid Vishus Nancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs Other Direct Costs Equipment Depreciation Expenses Admin Overhead Expense Sub-Total Non-Salary Costs TOTAL EXPENSES	\$ \$ \$ \$ \$ \$ \$ \$ \$	24,522 88,256 76,380 51,548 240,707 9,005 25,645 34,650 275,357	L \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	agged 24,522 88,256 76,380 51,548 240,707 9,005 - 25,645 34,650 275,357	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275 3,000 26,415 38,690 286,618	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 9,553 3,000 27,207 39,760 295,126	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840 3,000 28,023 40,863 303,890	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135 3,000 28,864 41,999 312,917
Salaries & Fringe: John Smith Bill Jones Sid Vishus Vancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs Dther Direct Costs Equipment Depreciation Expenses Admin Overhead Expense Sub-Total Non-Salary Costs	\$ \$ \$ \$	24,522 88,256 76,380 51,548 240,707 9,005 - 25,645 34,650	L \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	agged 24,522 88,256 76,380 51,548 240,707 9,005 - 25,645 34,650	\$ \$ \$ \$ \$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275 3,000 26,415 38,690	\$ \$ \$ \$ \$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 255,366 9,553 3,000 27,207 39,760	\$ \$ \$ \$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840 3,000 28,023 40,863	\$ \$ \$ \$ \$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135 3,000 28,864 41,999 312,917
Salaries & Fringe: John Smith Bill Jones SId Vishus Nancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs: Other Direct Costs Equipment Depreciation Expenses Admin Overhead Expense Sub-Total Non-Salary Costs TOTAL EXPENSES Projected Yearly Surplus/(Deficit)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,522 88,256 76,380 51,548 240,707 9,005 25,645 34,650 275,357 3,478	L \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	agged 24,522 88,256 76,380 51,548 240,707 9,005 - 25,645 34,650 275,357	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275 3,000 26,415 38,690 286,618	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 9,553 3,000 27,207 39,760 295,126	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840 3,000 28,023 40,863 303,890	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135 3,000 28,864 41,999 312,917
EXPENSES Salaries & Fringe: John Smith Bill Jones Sid Vishus Nancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs Equipment Depreciation Expenses Admin Overhead Expense Sub-Total Non-Salary Costs TOTAL EXPENSES Projected Yearly Surplus/(Deficit) Subsidy If Any?: Please describe the source of th Accumulate d Expense	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,522 88,256 76,380 9,005 25,645 34,650 275,357 3,478 Jbsidy below.	L \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	agged 24,522 88,256 51,548 240,707 9,005 - 25,645 34,650 275,357 3,478	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275 3,000 26,415 38,690 286,618 582	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 255,366 9,553 3,000 27,207 39,760 295,126 690	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840 3,000 28,023 40,863 303,890 801	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135 3,000 28,864 41,999 312,917 915
Salaries & Fringe: John Smith Bill Jones Sid Vishus Nancy Noble Sub-Total Salaries & Fringe Benefits Non-Salary Costs: Other Direct Costs Equipment Depreciation Expenses Admin Overhead Expense Sub-Total Non-Salary Costs TOTAL EXPENSES Projected Yearly Surplus/(Deficit)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,522 88,256 76,380 9,005 25,645 34,650 275,357 3,478 Jbsidy below.	L \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	agged 24,522 88,256 51,548 240,707 9,005 25,645 34,650 275,357 3,478	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	25,258 90,904 78,671 53,095 247,928 9,275 3,000 26,415 38,690 286,618 582	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	26,015 93,631 81,032 54,688 9,553 3,000 27,207 39,760 295,126 690	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	26,796 96,440 83,462 56,328 263,027 9,840 3,000 28,023 40,863 303,890	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	27,600 99,333 85,966 58,018 270,918 10,135 3,000 28,864 41,999

Tab 9: 5 Year Plan



Subsidy Detail (Source, Amount, Duration)

The Association of Biomolecular Resource Facilities

Core Components: Staffing

Staffing: Job Families

Core Specific Job Families – many institutions have developed core career tracks.

Generally, differ from PI-based lab staff regarding:

Require advanced training & expertise

- Expert knowledge of sophisticated instrumentation/equipment
- Application knowledge of a wide variety of instrumentation
- Scientific knowledge to span application across a broad variety of research programs

Interpersonal skills

• Ability to communicate effectively to scientists and administrators

Customer service focus

Business acumen and training

Staffing Structures:

Faculty Director aka Faculty Supervisor aka _____

- Dedicated or Advisory Role
- Limited % effort
- Grant/funding responsibility
- Runs interference with clients

Core Manager aka Asst. Director aka

- Supervisory
- Defines Work Flow
- Budget Development assistance
- Experimental Design
- Works at the bench
- Grants/Funding

Core Director aka Technical Director aka

- Overall Responsibility
- Experimental design
- Operations works closely with manager
- Budget Development
- Grants/Funding

Core Research Assistant aka Technician aka _____

- Works at the bench
- Varying Levels of Expertise
- Experimental Design



Supporting Roles:

- Advisory Committee
- Reviews operations and utilization at least annually
- Annual user survey
- Vets/prioritizes equipment requests
- Vets/prioritizes new service requests
- Grants/Funding

Financial Manager

- Works with Directors & Managers to ensure financial health
 Develops Pudgets
- Develops Budgets
 Grants/Funding





Core Components: Space ("the Final Frontier")



Space planning and acquisition processes vary with each institution. New buildings/renovations for research should set aside ~15% of space for shared facilities in the plans.



175

Must work collaboratively with administration and leadership to address space issues recognizing this is **shared** space and must be flexible enough to accommodate core evolution.

5

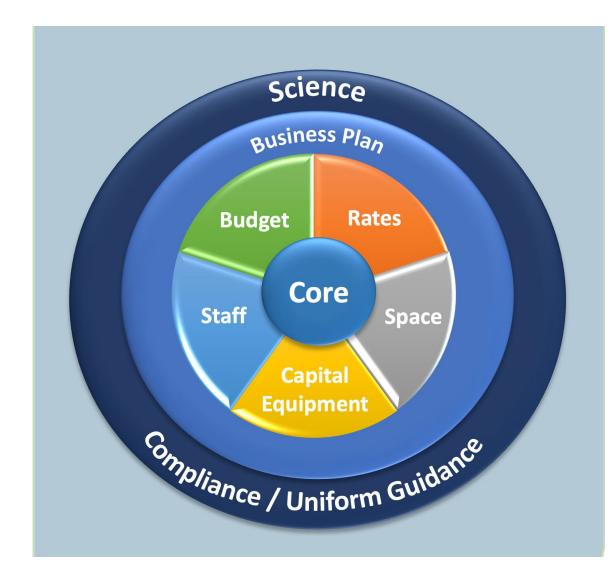
New instrumentation acquisition requires careful planning:

Equipment manufacturers site prep guides Heat generation & HVAC needs Electrical and lab gas needs Measure multiple times Include space for access to maintain/repair instruments

Office space is needed for managerial tasks, personnel conversations and client consultations

Safety – adequate space is needed for core clients to work comfortably, effectively and safely..





In Summary

