FY25 NIMBUS Budget Submission Overview

VPF Budget and Financial Analysis





Agenda

- 1. Team Introductions
- 2. Budget Submission Timeline
- 3. MIT's Budget Structure
- 4. Budget Mechanics
- 5. Additional Resources

Budget Submission Timeline



See appendix for timeline on full-year budget cycle

Structure of MIT operating budget

\$4.7B in consolidated budgeted revenue across four distinct funding categories (FY24B)

Restricted

- Non-Sponsored funds
- Often referred to as "designated"
- Revenue from designated expendable and endowed philanthropic support, as well as Sloan degree tuition, departmental fees & services, and other support
- Supports non-sponsored expenses

Auxiliary

\$0.2B / 3%

• Standalone revenue (primarily Housing/Dining)



Notes: GIB revenue sources in the chart include net tuition, unrestricted support from philanthropy and investments, indirect cost recovery, and fees & services. Excluded from GIB revenue in this chart is department support of operations, a part of GIB revenue in the form of transfers of mostly designated sources, but which is net neutral to consolidated MIT revenue as a whole.

Consolidated budget is the GIB plus forecasts of restricted activity

MIT's Consolidated FY24 Budget: \$4.7B



Expenses



Expenses include all components of net periodic benefit costs

A reminder of the FY25 budget framework: constraints on our GIB enhanced by market/other pressures





Budget Mechanics

NIMBUS Budgeting Quick Card

General Institute Budget (GIB)

RECURRING BUDGET

- **1.** Copy current year recurring budget into next fiscal year and refine existing G/L allocation, as necessary.
- ➡ 2. Include 100% of T/A tuition (no T/A SHIP) at current year levels. (VPF will make any necessary adjustments to reflect updated rates at the onset of the next fiscal year via the Global Budgeting process).
 - 3. Incorporate **new allocations** granted by the EVPT, the Provost, or Deans' Offices (may vary by department).

NON-RECURRING BUDGET

- 1. Incorporate 55% of R/A tuition (spring/ fall terms only do not include summer) and 100% of R/A SHIP at current fiscal year rates. (VPF will make any necessary adjustments to reflect updated rates at the onset of the next fiscal year via the Global Budgeting process).
 - Incorporate any new allocations granted by the EVPT, the Provost, or Deans' Offices (may vary by department).
 - Incorporate material (over \$500k) expenses (using expense G/Ls) to be supported by drafts. Do not budget the draft *support*, instead <u>email your</u> <u>budget officer</u> with the internal order accounts (non-sponsored funds) to be used as a funding source.
 - **4.** Do not budget carryforwards; carryforwards will be added by VPF, where applicable, at the beginning of the next fiscal year.

Direct Sponsored Research



Budget (forecast) anticipated spending for next fiscal year

- ➡ 1. Provide expense forecast for the next fiscal year using internal analysis (known grants, anticipated project closures, etc.).
- ➡ 2. Analyze expense forecast against historical actuals and provide budget office with commentary on any major variances.
- ➡ 3. Budget 100% of R/A salaries and 45% of R/A tuition (the remaining spring/ fall term portion not budgeted to GIB) at next year's rates.
- ◆ 4. Utilize a single "volume" WBS account for entire DLC, if desired prefixed with a "999" (continue to break out forecasted spending by G/L account).

Sponsored and Non-Sponsored Funds

Budget (forecast) anticipated spending for next fiscal year

- 1. Provide expense forecast for the next fiscal year using internal analysis (known grants, anticipated project closures, etc.).
- 2. Analyze forecast against historical actuals and provide budget office with commentary on any major variances.
- 3. Utilize a single forecast or suspense account for entire DLC, if desired (continue to break out forecasted spending by G/L account).

Auxiliary Activities

Budget (forecast) anticipated spending for next fiscal year

 Budgeted revenue/ drafts should match or exceed budgeted expenses. Budgeted deficits (when expenses exceed revenue) must be authorized by the Provost, the EVPT, and/or an academic-area department head.

Budget Area Groups (BAGs)

Upon accessing <u>NIMBUS</u>, the first screen will default to a Budget Area Group (often abbreviated to "BAG" or "BG") view. A BAG is a three-digit group of cost objects (often aligned to the DLCI or profit center level) that represent specific DLCIs from a management perspective.

When reviewing and managing your BAGs, keep an eye out for the following:

- 1. BG is missing a cost center
- 2. BG has the incorrect name
- 3. Missing a BG from my profile

To resolve any issues please contact your <u>Budget Officer</u> or the NIMBUS Administrator at <u>leungj@mit.edu</u>

Managing your BAGs

The BAG is the highest level in NIMBUS, reflected as a three-digit code. You will typically only see one BAG for your area.



 NIMBUS
SUBMISSION
 SELECT BUDGET GROUP
 Fiscal Year: 2025 ~
Category: All

 HELP PRINT EXIT
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Select Budget Group by clicking on the ID# or use one of the buttons above.

ID#	Status	24 Base	24 NonBase	25 Base	25 NonBase	25 Totals
01T Dept. Overhead	Unsubmitted	11,092,431	1,668,256	0	0	0
02T Department of Technical Overhead	Unsubmitted	140,000	186,810	0	0	0
10T Department of Turfgrass Science	Unsubmitted	0	17,441	0	0	0
11T Department of Turfgrass Science	Unsubmitted	7,209	382,060	0	0	0
12T Department of Turfgrass Science	Unsubmitted	0	1,918,676	0	0	0
13T Department of Turfgrass Science	Unsubmitted	0	0	0	0	0
14T Department of Turfgrass Science	Unsubmitted	39,030,273	3,775,949	0	0	0
15T Department of Turfgrass Science	Unsubmitted	0	0	0	0	0
16T Department of Turfgrass Science	Unsubmitted	0	0	0	0	0
17T Department of Turfgrass Science	Unsubmitted	0	0	0	0	0
18T Department of Turfgrass Science	Unsubmitted	0	0	0	0	0
19T Department of Turfgrass Science	Unsubmitted	0	0	0	0	0
46T Department of Cultural Engineering	Unsubmitted	0	0	0	0	0
67T Department of Grand Exploration	Unsubmitted	0	0	0	0	0
Total		50,269,913	7,949,192	0	0	0

Entering your Cost Objects

The Cost Object is the second level in NIMBUS



	SELECT COST OBJECT	Fiscal Year: Status:	2025 ∨ Unsubmitted	
	(Category:	All	v
	I	Rights:	Submitter	
Help Back	COPY VIEWS SUBMIT Print Exit			
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Select Cost Object by clicking on the ID# or use one of the buttons above.

ID#	24 Base	24 NonBase	25 Base	25 NonBase	25 Totals
Cost Centers (General and Auxiliary)	L				
1630500T Test Description for 1630500TT	2,729,000	75,000	0	0	0
<u>1630700T</u> Test Description for 1630700TT	0	3,017	0	0	0
1632500T Test Description for 1632500TT	0	866,854	0	0	0
<u>1642000T</u> Test Description for 1642000TT	0	115,357	0	0	0
<u>1642200T</u> Test Description for 1642200TT	0	25,000	0	0	0
1642600T Test Description for 1642600TT	2,222	678,385	0	0	0
<u>1642700T</u> Test Description for 1642700TT	0	323,333	0	0	0
1642800T Test Description for 1642800TT	0	3,573	0	0	0
1643600T Test Description for 1643600TT	1,229	-512	0	0	0
<u>1647000T</u> Test Description for 1647000TT	1,227	614	0	0	0
1647700T Test Description for 1647700TT	0	0	0	0	0
1647800T Test Description for 1647800TT	0	0	0	0	0

Entering your G/L Accounts

The G/L account (cost element) is the most granular level in NIMBUS



	US Cost Object	BG: 01T,	udget Items Dept. Overhead tion for 1630500T	T (1630500)T)	Fiscal Yes Status: Rights:	ar: 2025 v Unsubmitted Submitter
Help Back	k Refresh Copy	/ Insert Rate	S RECALC SAV	/E Print E	xit		
				-	totals and secondary other buttons above.		
	ID#		24 Base 24 N	onBase 2	5 Base 25 No	nBase 25 To	otals
	Salaries		Δ				
	400250 Administrat	tive Staff-On	1,250,000	0 0	0		0
	400602 Support Sta	ff-On	750,000	0 0	0		0
	Total Sa	alaries	2,000,000	0	0	0	0
	ID# Employee Benefits		24 Base 24 N	onBase 2	5 Base 25 No	onBase 25 To	otals
	600204 EB On		464,000	0	0	0	0
	Total Employ	yee Benefits	464,000	0	0	0	0

Adding New G/L Accounts



1. Select Insert			B	T NEW COST ELF G: 01T, Dept. Overh Description for 163	iead	1630500T)
2 Coloct desired	Help	SAVE	Open Short Lis	st Sort by Name	Cancel	Print
2. Select desired			Full List	Check off the cost el	ements you	wish to add to the cost object
G/L Account					Salaries	Δ
2 Colort Cours			9	Summer Faculty-O		ED.
3. Select Save			_	5 Summer Faculty-O		State of the second
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			40005	Summer Other Aca	demic-On-R	educed EB
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			0	Summer Faculty-O		
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			_	*Faculty Salaries T		
			0	Faculty Salaries No		
			_	5 *Faculty Salaries N Spec Prog Comp Te		
			040010	spectrog comp re	caening - On	

Inputting your Budgets by G/L Account



Final Budget	by Cos	t Ob	ojec	ct	
BAG Cost Objec	t → G/L	Accou	nt (Co	st Elei	nent)
SELECT	COST OBJECT		Fis	cal Year: 2	025 🗸
	Dept. Overhead		Sta	tus: Ui	isubmitted
			Ca	tegory: A	II ~
			Rig	ghts: Su	bmitter
Help Back COPY VIEWS SUBM	T Print Exit				
	by clicking on the ID# or use	one of the but	tons above.		
	- ,				
ID#	24 Base	24 NonBase	25 Base 2	5 NonBase	25 Totals
Cost Centers (General and Auxiliary)	▲				
<u>1630500T</u> Test Description for 1630500TT	2,729,000		2,821,400	0	2,821,400
<u>1630700T</u> Test Description for 1630700TT	(0	0	0
1632500T Test Description for 1632500TT	(0	0	0
<u>1642000T</u> Test Description for 1642000TT	(· · · · · · · · · · · · · · · · · · ·	0	0	0
1642200T Test Description for 1642200TT	(0	0	0
1642600T Test Description for 1642600TT	2,231		2,231 0	0	2,231
<u>1642700T</u> Test Description for 1642700TT <u>1642800T</u> Test Description for 1642800TT	(· · · · · · · · · · · · · · · · · · ·	0	0	0 0
<u>1643600T</u> Test Description for 1643600TT	1,229		1,514	0	1,514
<u>1647000T</u> Test Description for 1647000TT	1,223		1,232	0	1,232
<u>1647700T</u> Test Description for 1647700TT	1,252		1,252	0	1,202
1647800T Test Description for 1647800TT	(ő	0 0	ŏ
<u>1648400T</u> Test Description for 1648400TT	(_	Ő	0 0	Ő
1710700T Test Description for 1710700TT	(_	0	0	0
1710900T Test Description for 1710900TT	() 0	0	0	0
1711200T Test Description for 1711200TT	() 0	0	0	0
1711500T Test Description for 1711500TT	() 0	0	0	0
1718900T Test Description for 1718900TT	C		0	0	0
1719100T Test Description for 1719100TT	C	0	0	0	0
1719600T Test Description for 1719600TT	(0	0	0	0
1763600T Test Description for 1763600TT	(0 0	0	0	0
1764000T Test Description for 1764000TT	8,272,543	-422,365	8,272,543	0	8,272,543
Total Cost Centers (General and Au	xiliary) 11,006,235	1,668,256	11,098,920	0	11,098,920

NIMBUS Budget Demo





Exceptions

DO NOT ENTER:

- 1. Overhead rates
 - A. Employee Benefits (EB)
 - B. Other secondary rates (vacation accrual, lab allocation, etc.)
 - C. Overhead/secondary rates are automatically calculated by NIMBUS. Any attempt to populate these G/Ls will result in duplication. For reference, FY24 rates will be used for FY25. The latest rate detail can be found at <u>https://ras.mit.edu/rates</u>.
- 2. Carryforwards
- 3. Faculty Sabbaticals (Send to B&FA at the beginning FY25)
- 4. SHIP (formerly "SEIP") Budgets for TAs
- 5. When adding new G/Ls in NIMBUS, avoid those that begin with a "*"



Additional Resources

Pool A Payout Rates

- Each endowed fund invested in Pool A receives an annual distribution based on the payout rate recommended by MIT administration and voted on by the Executive Committee.
- The Fiscal 2025 voted Pool A endowment payout per unit is shown below, and represents a
 4.2% increase over Fiscal 2024, this follows a 30.3% increase in Fiscal 2023 and 5.6% increase in Fiscal 2024.

Fund Type	Fiscal 2022	Fiscal 2023	Fiscal 2024	Fiscal 2025
Undergraduate Scholarships	\$90.52	\$117.97	\$124.63	\$129.81
Graduate Fellowships	\$76.94	\$100.27	\$105.94	\$110.34
All Other	\$67.89	\$88.48	\$93.47	\$97.36

Note: While Pool A endowed distribution can be added automatically to your NIMBUS budget/forecast submission by selecting the Pool A button, it is not necessary to do so (Pool A distribution is budgeted centrally). But please consider this payout increase when inputting your forecasted expenses for the year as these rates may provide guidance on future spending patterns.

Entering RA and TA budgets

Expense	Research Assistant (RA)	Teaching Assistant (TA)
Salary	 100% forecasted to the sponsored WBS account Use next year's rates 	 100% forecasted to the GIB cost center assigned to your Department Use this year's rates. B&FA will true-up DLC budgets to reflect next year's rates via the Global Budgeting process in August.
Tuition	 55% forecasted to the GIB cost center assigned to your dept Use this year's <u>current</u> tuition rate. B&FA will true-up DLC budgets to reflect next year's rates via the Global Budgeting process in August. Non-Base 45% forecasted to research the sponsored WBS account Use next year's rates 	 100% forecasted to the GIB cost center assigned to your Department Use this year's current rate. B&FA will true-up DLC budgets to reflect next year's rates via the Global Budgeting process in August.
SHIP	 Budget 100% to the General Cost Center used when budgeting the GIB portion of RA tuition. Use this year's <u>current</u> rate. B&FA will true-up DLC budgets to reflect next year's rates via the Global Budgeting process in August. 	 DO NOT forecast SHIP for TAs These costs will be a direct allocation from the Provost's office in the first half of the fiscal year.
Summer Tuition	 Thesis / Pre-Thesis: Do not budget Non-Thesis / Non Pre-Thesis: 100% forecasted to WBS/Internal order at next year's rates. 	• If applicable, treat like TA tuition (uncommon).

Budgeting for research and funds

Unlike the GIB, budgeting for *research, sponsored and non-sponsored funds* employs a **forecasting** methodology using DLCI best estimates.

- 1. Estimates for these budgets are consolidated to help project the Institute's expense trends.
- 2. As submissions are reviewed, B&FA may ask for commentary around deviations from trends and other key drivers in your research and fund budgets.
- 3. Additionally:
 - a) You do not have to budget each cost object (fund / research WBS account).
 - b) You may utilize a single cost object for each funding category: a WBS volume account for research (prefixed with a "999"), or a suspense account for sponsored/non-sponsored funds
 - i. For each funding category, continue to break out expenses by G/L account
 - c) We recommend examining prior-year trends for your DLCI, and consider adding on any additional amounts for expected activity in the new year to generate high-level view of your expense budget.
 - d) B&FA has built academic trend reports that may help: https://vpf.mit.edu/academic-trend-reports
- 4. See the "NIMBUS Budgeting Quick Card" (slide 9) for other information.



Example of VPF Trend Reports

OTAL DLCs (based on user auth	norization)		F Please s	elect a DLC	(this is the N	MBUS PBM L	evel 3), or sele	ect "1		
II Funds (TOTAL)			<< Please s	elect a Fund	I Category (or	ategory (or select ALL FUNDS for the total).				
Il Cost Objects			<< Defaults	to "All Cost	Objects." But	you can limit it	t to only Facult	y Controlled U		
								· · · · · · · · · · · · · · · · · · ·		
\$ thousands		Annual Fin	nancial Trend (actuals)			YTD annlzd	CAGR	Bud	get	
	FY'19A	FY'20A	FY'21A	FY'22A	FY'23 YTD	month of Actuals:	FY'19A to FY'22A	FY'22B	FY'23B	
Revenue						Jan				
Internal Income	119	239	270	47	87	149	-26%	-	-	
External Income	74,714	85,997	85,727	106,030	86,947	149.051	12%	12,359	11,332	
Total Revenue	74,832	86,236	85,997	106,077	87,033	149,200	12%	12,359	11,332	
Expenses										
Salaries (ungroup for detail)	74,786	79,365	79,943	83,344	50,207	86,069	4%	75,975	82,842	
Employee Benefits	17,104	19,372	19,594	19,133	10,669	18,290	4%	17.687	17,734	
Salaries & Employee Benefits	91,890	98,737	99,537	102,478	60,876	104,359	4%	93,662	100,57	
Temporary Help	1,205	1,131	1,176	891	648	1,111	-10%	164	29	
Travel	7,592	5,227	527	4,341	4,251	7,288	-17%	5,498	3,45	
Professional Services	6,895	7,038	7,464	9,262	6,949	11,912	10%	897	1,44	
Materials & Svcs (ungroup for d	22,950	24,220	24,125	26,180	24,104	41,322	4%	30,928	29,78	
Equipment	702	846	852	1,038	585	1,003	14%	148	17	
Software	166	255	264	277	227	390	19%	5	(
Subrecipient Agreements	10,010	11,477	11,599	16,406	11,047	18,938	18%	8,281	8,41	
Carryforward	-	-	-	-	-	-	n/m	22,840	25,78	
Depreciation	-	-	-	-	-	-	n/m	-	-	
Interest Expense	-	-	-	-	-	-	n/m	-	-	
Indirect Expenses	9,135	8,948	10,259	11,378	8,193	14,046	8%	6,520	6,79	
Capital Projects Funding	-	488	463	1,021	96	164	n/m	-	-	
otal Expenses (ex Settlemen	150,544	158,366	156,266	173,272	116,977	200,532	5%	168,943	176,71	
ransfers, Drafts & Settlement	s									
Transfers & Drafts (negative = t	(16,548)	(10,849)	(17,324)	(17,195)	(11,344)	(19.447)	1%	1.242	65	
Draft Transfers	(697)	(1,178)	(2,203)	(359)	(546)	(936)	-20%	(353)	(51)	
ansfers	(15,713)	(9,437)	(15,089)	(16,784)	(10,821)	(18,551)	2%	1,595	1,17	
Sharing	(138)	(234)	(32)	(52)		40	-28%	-	-	
rts	(2,622)	6,217	559	8,638	3,959	6,787	n/m	-	-	
rs, Drafts & Settl، کتر	(19,170)	(4,633)	(16,765)	(8,558)	(7,385)	(12,659)	-24%	1,242	65	
'e for actual	(56 541)	(67 497)	(53 504)	(58 637)	(22 559)	(38 672)	1%	(157 826)	(166 04	

Guidance

- Visit the VPF website to download either the macroenabled Excel query or Briogenerated version of the tool
- Execute the query and confirm the data is populated correctly, then move on to the Output tabs which format the data as shown
- The report can be executed by DLCI, and you can limit the results to a particular funding category or a particular subset of cost objects
- These should help with budgeting for research, funds, and auxiliary <u>cost categories</u>

Detailed guidance provided on the VPF website:

https://vpf.mit.edu/academic-trendreports

Budgeting GIB Expenses Supported by Drafts

• Increases to your net GIB budget submission should always tie to your budget letter

- You may also anticipate significant non-base expenditures charged to your GIB *apart from* your GIB "authorized" net spend. Where you expect those additional expenses to be supported by a fund via a draft transfer during the fiscal year.
 - Where such <u>material</u> (>\$500k) expenses are anticipated, please add them to your non-base GIB expense submission.
 - If you do so, your net budget submission will no longer tie to your budget letter.
 - So please communicate this to your budget officer by providing the amounts, anticipated fund ID that will support the costs, and if this is an *actual* draft transfer or a *placeholder* until you know more.
 - B&FA can then either enter the actual draft (effective 7/1/24) or input "placeholder" revenue to your budget submission until you effectuate the actual draft in FY25.





Your Input is Critical!

- We reference budgets in NIMBUS throughout the year, and pull budget data regularly for reporting purposes
- Realistic spending forecasts provide valuable information
 - o Reliable bottoms up forecasts inform accurate Institute level reporting
 - You are the experts, and your judgement is better than ours
 - Spending forecasts related to funds and research are solely used for informational purposes, and are not intended to create limits or authorizations to spend, but should still be accurately budgeted
 - GIB budget allocations are considered authorizations to spend, and should be budgeted in full
- Please reach out to your <u>Budget Officer</u> with any questions throughout the process



Appendix

Full-year budget cycle



GIB Base vs. Non-Base

Base: Recurring expenditures that are budgeted every fiscal year. Base budgets typically encompass the following categories:

- Salaries (Filled and Unfilled)
- EB
- Supplies
- Scholarships
- Equipment
- Other Operating Expenses

Non-Base: Non-Base expenditures are one-time expenses that are typically either funded by an internal order, transferred from another department's GIB allocation, or approved from the EVPT, Provost, or Dean's Office. Other non-base expenditures may include:

- **55%** RA tuition (Do not include summer tuition. This is both budgeted and incurred centrally)
- NIH Training Grant Fellows (Departments are encouraged to supplement with a part-time RA appointment. Use G/L account #422311)



Revenue

When forecasting revenue, please distinguish between internal and external.

- External Revenue is money that comes in from a source that is not wholly owned or affiliated with MIT (not in SAP).
 - Students, employees, and alumni clubs, although affiliated with MIT, are almost always external customers.
 - 800303 (Other Receipts)
 - 800600 (Sponsored Billings)
 - 801018 (Income Outside Services)
 - 801035 (Income Sales)
- Internal Revenue is money from an exchange for goods or services provided between Institute units.
 - 801046 (Internal Billings Services)
 - 801062 (Internal Billings Sales)



Drafts vs. Transfers vs. Settlements

Drafts (Non-Sponsored Fund → GIB cost center); GLs 800705/706

- General Institute Budget (GIB)
 - Budget the expense in the proper GL account. (Typically non-base, with exceptions).
 - Budget the "draft transfer in" revenue to GL account 800705.
 - At submission, please communicate the offsetting funds to the budget team.

Funds

- Do not budget the "draft transfer out" at submission.
- Communicate to your Budget Officer the offsetting funds related to the "draft transfer in" that you entered to the GIB.

Transfers; GLs 800325/326

- General Institute Budget (GIB)
 - Not necessary to budget transfers as they will net to zero across the GIB
- Funds/Research:
 - Budget where necessary, although the focus of the Funds/Research budget is on expense.

Settlements

- Typically only applies to Funds/Research. Not necessary to budget.

