



Introduction

Description

The Financial Research Expenditure Dashboard (FRED) is a University-wide tool that was created to assist the Research Community and Department Administrators (DAs) with managing their research dollars. This tool will lead to better management of grant expenditures and explores forecasting capabilities. It is a one-stop dynamic tool built within PowerBI that provides:

- Standard metrics and visualizations
- Forecasting capabilities
- Access controls
- Warning flags based on thresholds used by Sponsored Programs (SP)

Objective

- Standardized process across the University A University-wide tool will help with continuity during employee absence/turnover, reduce duplication of effort, and allow Sponsored Programs to provide metrics and flags to be used by DAs.
- **Time Savings** Having an automated dashboard should remove hours of work for the DAs every month who were manually updating spreadsheets (shadow systems).
- **Proactive Grant Management –** Reviewing both projected expenditures and actual expenditures against the budget will make grant management easier. DAs will also be able to research any discrepancies all with the same tool.

Data Owners

Any data, technical, or business questions should be addressed via this form: FRED Service Portal.

Once form is submitted, you will receive a response within 3 business days. The response will either come from CIDA (technical questions) or Sponsored Programs, Post Award (best practices / business questions). Please ensure when filling out the form to be as detailed as possible with your question or issue. It is also good practice to provide screen shots of outcome or errors as required.

Future of FRED

This is the *first phase* of FRED:

- Salary Projections, including Fringe and Facilities and Administration (F&A)
 - Staff, faculty, and student information
 - Based on Salary in BUWorks (SAP)
 - Only allow DA's and some Principal Investigator (PI) exceptions to update projections.
- Expenditure Projections, including Commitments, Fringe and F&A on both projections and commitments.
- Salary Distribution Report by Employee
- Flags
 - Burn Rate/Award Health
 - o Number of Grants Ending
 - Employee Cost Distribution Ending
- Standardized Expenditure Reporting





Table of Contents

General Navigation and PowerBI Knowledge		4
Logging into PowerBI		
Filtering Visuals		
Un-Filtering Visuals		5
Exporting Data		5
Columns Shown Filter		6
Pages in FRED		7
Summary of all the pages		7
DA Summary DA Summary Best Practices		
Salary Cost Distributions (SCDs) Salary Cost Distribution Best Practices		<i>10</i> 11
Projections not Equal to 100% Projections not Equal to 100% Best Practices	s:	
<i>Transaction Detail</i> Transaction Detail Best Practices		
Commitment Detail Commitment Detail Best Practices		<i>14</i> 14
Subaward Detail Subaward Detail Best Practices		<i>15</i> 15
Summary by PI Summary by PI Best Practices		<i>16</i>
DA Projections Navigation Summary Upload / Download File Add or Update Grants/IO		
Add or Update Employees Last Modified: 10/18/2023 Version: 2.0	2	22 © Boston University



Financial Affairs: Continuous Improvement & Data Analytics Lindata Tomporary IDa



Update Temporary IDs	
Excel Projections File	
Tab Summary	
General Instructions	27
Summary Sheet	
Weekly % Calc Sheet	
Weekly % Calc Best Practices	
Salary Cost Projections Sheet	
Expenditures Projections Sheet	
New EE & Salary Changes sheet	
New Grants & Internal Orders sheet	
Best Practices for Completing Projections	35
Examples of Common Requests using the Financial Research Expenditure Dashboard	





Instructions

General Navigation and PowerBI Knowledge

Logging into PowerBI

Sign in to your account × +		
\leftrightarrow \Rightarrow C $($ in login.microsoftonline.com/common/oauth2/authorize?client_id=00000006-0000-0ff1-ce00-000000000000000000000000000000000	0000000&response_type=code%20id_token&scope=openid%20profile&state=	=OpenIdConnect.AuthenticationProperties%3DkDj8mvkoRr1F8yoKIAZJMqIN
	Missesoft	
	MICrosoft	
	Pick an account	
	H abaran Thu adu	
	A apartosepulicou :	
· · · · · · · · · · · · · · · · · · ·		

Use the link provided to log into FRED.

If it is your **first-time** logging onto PowerBI it will ask you for your Kerberos ID credentials.

If you had **previously** opened PowerBI Reports, then it may ask you to select your account to open the report.

Filtering Visuals

DA All	On the right-hand sic
Principal Investigator	Grant
Grant	Search
All Internal Order	50102361
All	 D202162 50202634
Internal Order Name	50203026
Clear all slicers	Clear all slicers

On the right-hand side of each page, you will have the option to filter down on certain data attributes.

Using the downward carrot will open the data that you can filter down on. You can either:

- Use the search field and type in the information, which will filter the options down, or;
- Hand-select the data you want by clicking on the box next to the items you want to see.



Financial Affairs: Continuous Improvement & Data Analytics **Un-Filtering Visuals**





If you only want to remove the filter from one data attribute, then you can select the eraser icon next to that attributes name

If you want to clear all filters from the page, then you can select the "Clear all slicers" button at the bottom of the filters section.

Exporting Data

To export your data highlight over a visual, select the ellipsis (three dots) on the top right and click on Export data from the drop down. Then choose the Data with current layout option and select Export.







Columns Shown Filter

On some of the pages, you will see a "Columns Shown" filter. This filter allows you to remove columns, and create a view that may better fit your needs.

1) Select the Columns Shown filter:

Grant Summary											
Ы	Grant	Grant Name	Internal Order	Internal Order Name	IO Valid To	Months Remaining	Award Health Percentage	All P Search			
								Grant Name			
								Internal Order			

2) By Selecting a few of the different columns the view will change (in this case only the PI & Grant will be displayed:

	Grant Summary										
PI	Grant	Months Remaining	Award Health Percentage	Budget	Actual Exp	Projected Commitment	Projected Salary	Total Cost Balance	Direct Rem Balance	Multiple selections	
			1 1		-					Select all	
	-									PI	
										Grant	
										Grant Name	
										Internal Order	
										Internal Order N	





Pages in FRED

Summary of all the pages



- 1. **DA Summary** This page shows a summary of all the grants that a DA is assigned. It shows the projected budget-to-actuals (including projections) as well as flags for award health and ending IOs. This should be the first page you look at when opening the dashboard. Based on what you see on this page, you can do a deeper dive in subsequent pages.
- 2. **DA Projections** This page is a multifunctional tool and allows you to:
 - Submit for a temporary Grant
 - Submit for a temporary Internal Order (IO)
 - Submit for a temporary Employee
 - Submit a salary change for an existing employee
 - Generate the Projection worksheet
 - Submit a completed Projection worksheet
- 3. **Salary Cost Distribution** This page shows the active salary cost distributions along with a flag to narrow down the distributions ending in the next 30, 60, 90 days that may need to be addressed.
- 4. **Projection not Equal to 100%** This page alerts the DA if a salary projection was entered that did not equal a full 100% for a month. This may or may not be a problem depending on the circumstance.
- Transaction Detail This page is a replica of the Business Warehouse (BW) Transaction Detail Report and shows only the items that have been posted in SAP (aka the actuals)
- 6. **Commitment Detail** This page is a replica of the BW Transaction Detail Report and shows only the open commitment items that have been posted in SAP.
- 7. **Subaward Detail** This page shows the summary for budget-to-actuals along with projections for the subaward sponsored class. For each grant you can see the FRN total committed amount with what is still outstanding.
- 8. **Summary by PI** This page breaks down the budget to actuals of a PI's portfolio by Sponsored Class. It also includes commitments and projections to show a comprehensive picture of financial outlook.



DA Summary

This page was built as a quick overview of each of the grants you are assigned to. Here you can learn about which IOs are ending and may need an action [reporting, requests, invoicing, etc.] along with the award health based on spending and amount of time remaining. You can see what each IO has for direct and indirect remaining balances, taking into account the projections made, actual expenses, and commitments. L

PI	Grant	Grant Name Int O	iternal Order	Internal Order Name	IO Valid To	Months Remaining	Award Health Percentage	E	DA
		And a second sec			7/31/2024	12	16.69%	s	Principal Investigator
-					8/31/2023	1	-9.19%	s	All 🗸
					8/31/2023	1	-9.19%		Grant
					12/31/2023	5	-10.19%		Internal Order
					1/31/2024	6	-53.14%	_	All V
					7/31/2023	0	26.96%	s	All
					2/29/2024	7	-7.29%	s	
					6/30/2024	11	17.94%		Clear all slicers
Total								\$23	
							4		
Number of I	O's Ending			Award Heal	th				
Internal Order Validity	Number of IO's	Selecting one of the		Award Health	Number of Grants		Health of gr	ants.	
0-30 Days	6	numbers on either chart wi	vill 🗛	ccelerated spending	20		Note: This is	the	
31-60 Days	13	flagged IOs	by	y 25% or more	11		same proces	s as	
90+ Days	50	hagged tes	U	nderspent by more nan 25% or more			currently em	alled	
Total	69		Т	otal	31		Programs	Soreu	BU Powered by
Scroll to th each IOs F Budget, Direct/Inc	ne right to le Financial Po Actuals, Pro direct Rema	earn more about osition including ojections, and aining Balance	·				Research – Compliance	team	
ast Modified: 1	10/18/2023			8					© Boston Universi





DA Summary Best Practices

The following are questions to ask yourself about the accounts shown in **Number of IO's Ending**:

- 1. Do you need a No Cost Extension (NCE)?
 - Is your Science complete?
 - Is your Science commensurate with spending?
 - Did you have a delayed start time which necessitates an extension?
 - Do you have adequate funding to continue the work during the NCE period?

2. Do you have Subawards?

- Are all subaward invoices in?
- Will your subaward invoice in full?
 - If not, do you need to re-budget unspent subaward funds to another line item?
 - Was the final invoice marked as final?
- 3. Are you going to order or have you ordered Equipment?
 - NOTE: Equipment should not arrive on last day of award. It must arrive in time to benefit the project from which it was paid.

4. Do you have consultants?

- Are all consultant invoices in?
- Will your consultants be invoicing in full?
 - i. If not, do you need to re-budget unspent consultant funds to another line item?

5. Are all commitments accounted for?

- Have all items arrived at BU?
- Have all invoices been paid?
- Do you need to contact the Vendor?

The following are questions to ask yourself about the accounts shown in Award Health:

A. Do you have Accelerated spending?

- What is your plan to adjust? Will science end sooner so employees, supplies, etc, will end sooner?
- Are there employee salary or non-salary expenditures listed on this award that should not be?

B. Do you have Decelerated spending?

- Are all expenses on the account or are they on a University account or a different grant that need to be transferred?
- Is salary correct?
- Do you have all subaward invoices?
- Are you waiting on a large piece of equipment?
- Are all vendor invoices accounted for?

Number of IO's Ending										
Internal Order Validity	Number of IO's									
0-30 Days	1									
31-60 Days	9									
61-90 Days	3									
90+ Days	29									
Total	42									

Award Health									
Award Health	Number of Grants								
Accelerated spending by 25% or more	511								
Underspent by more than 25% or more	632								
Total	1143								





Salary Cost Distributions (SCDs)

This page shows the salary cost distributions (SCDs) that are entered into SAP for the previous month, along with any future SCDs. There is a flag for SCDs ending soon so you can quickly pinpoint those employees and make changes if needed.

		DA				on Ending	Salary Cost Distributio				
~		All	Distribution End Date	Distribution Start Date	Cost Center Name	Cost Center	Internal Order Name	Internal Order Number	Grant	Employee Group Name	BU ID
			8/31/2023	9/1/2022			and a second second of the			and concepts ?	
		PI	6/30/2023	6/1/2023							
\sim		All	8/24/2023	11/23/2022							
			1/7/2024	6/1/2023							
			6/30/2024	6/1/2023							
	umber	Internal Order N	8/31/2023	8/1/2023							
	unioci		4/30/2024	5/1/2023							
		An	6/30/2023	4/1/2023							
			7/31/2023	7/1/2023							
	2000	Internal Order N	6/30/2023	4/15/2023							
	anie	internal order N	8/4/2023	6/5/2023							
		All	7/13/2023	2/27/2023							
			8/31/2023	7/14/2023							
			10/31/2023	6/1/2023							
ost	Number of	Distribution	9/30/2023	9/26/2022							
s	Distributio	Ending Period	1/31/2024	2/1/2023							
2		0-30 Days	4/30/2024	6/1/2023							
4		31-60 Days	12/31/2027	1/1/2023							
1		61-90 Days	12/31/2023	1/1/2023							
12		90+ Days	1/22/2024	5/1/2023							
19		Iotal	5/31/2024	6/1/2023							
Selecting			12/31/2023	6/1/2023							
the numb			6/30/2023	5/1/2023							
filter the r			6/30/2023	1/1/2023							
the emp			6/30/2024	7/1/2023							
whose S be ending timefr		Clear									
i by A	J Power	BU									





Salary Cost Distribution Best Practices

- A. Is the account truly ending?
- B. Are you requesting a No Cost Extension?
- C. Is the Account going to be extended due to an Amendment from the Sponsor?
- D. Is the Grant continuing but the Internal Order changing? Or staying the same?
 - a. Have you submitted an IPAR to create the next Internal Order number?
- E. What is available balance?

Best practice is to adjust the cost split 30 days before it expires, so it is most important to focus on the 0-30 Days bucket.

As a reminder, if you do nothing, and a cost distribution of an employee expires, that charge will automatically go to the employee's home cost center. If this occurs and that employee should have been charged to another award, you will have to do a salary adjustment in SAP to fix the error.



Projections not Equal to 100%

Financial Expenditure Research Dashboard

This page is a warning that something you entered on your projection template may not look right and might need to be updated. The top table displays the entries that may be incorrect because they do not equal 100% for the month. The bottom table displays projections entered. To filter down to the projections that do not equal 100%, select the employee's name in the first table and it will show the breakdown of the projection by IO in the bottom table.

(i) Click on Employee Name in the table below to see break-up by Internal Order



	Projected Cost Distribution by Employee															
BU ID	Internal Order	Internal Order Name	12/1/2023	1/1/2024	2/1/2024	3/1/2024	4/1/2024	5/1/2024	6/1/2024	7/1/2024	8/1/2024	9/1/2024	10/1/2024	11/1/2024	12/1/2024	3/1/202!
				100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
																200.0(
			100.00		100.00	5.00	10.00									
						95.00	90.00									
				0.86	0.10											
																10.0(

Projections not Equal to 100% Best Practices:

Review this file every time you complete a **DA Projection** to ensure there are no issues or concerns with your employee projections.





I.

Transaction Detail

The transaction detail report matches BUWorks; please note that this report does **not** contain projections. This dashboard will give you high level data, but you will still need to use SAP Reports for further detail as needed.

	Principal Investigator								
			Transactional De	etail					· · · · · · · · · · · · · · · · · · ·
Grant	Grant Name	Internal Order	Internal Order Name	Fund Center	Fund Center Name	GL Account	GL Account Name	Pe	Grant
								11	All V
						500010	FACULTY FULL TIME	3/	Internal Order
						500010	FACULTY FULL TIME	3/	All
						500010	FACULTY FULL TIME	4/	Internal Order Name
						500010	FACULTY FULL TIME	5/	All
						500010	FACULTY FULL TIME	6/	GL Account
						860200	FRINGE ALLOC EXTERNL	3/	All
						860200	FRINGE ALLOC EXTERNL	3/	GL Account Name
						860200	FRINGE ALLOC EXTERNL	4/	All
						860200	FRINGE ALLOC EXTERNL	5/	Clear all slicers
						860200	FRINGE ALLOC EXTERNL	6/	
Total								+	

Transaction Detail Best Practices

A. Run all reports at the Grant Level

- a. Be careful of cost share accounts where expenditures will not be a part of your awarded budget
- B. Any overspent accounts?
- C. Are all personnel accounted for?

D. Are all Key Personnel matching budgeted dollars?

- a. If not, a re-budget may be required based on Sponsor rules
- E. Review accounts with past end dates
 - **a.** Are charges still occurring?





Commitment Detail

The Commitment Detail report matches BUWorks; please note that this report does not contain projections. This dashboard will provide you with high level data, but you will still need to use SAP Reports for further detail as needed.

This report is interactive with the **Transaction Detail** report; if you filter on the **Transaction Detail** report, those filters will carry over to this report.

		(i) The	Commitment Detail table doe	es not contain p	rojections						
			Commitment D	etail					Principa	l Investigator	
Grant	Grant Name	Internal Order	Internal Order Name	Fund Center	Fund Center Name	GL Account	GL Account Name	Po			\sim
							1		Grant		
									All		\sim
									Internal	Order	
									All		\sim
									Interna	Order Name	
									All		~
									GL Acco	unt	
									All		~
									GL Acco	ount Name	
									All		~
										Clear all slicers	

Commitment Detail Best Practices

- A. Run all reports at the Grant Level
- B. Are your subawards or Vendors invoicing us?
- C. Are there any commitments that can be closed?





This page shows the summary for budget-to-actuals along with projections for the subaward sponsored class. If you select a Grant or IO from the Subaward Summary table, the Subaward-Funds Reservation Number Detail will filter down, giving you the FRN total committed amount with what is still outstanding.

Please note that currently, if the FRN has not been invoiced then the data shows as "Commitment". Additionally, when a FRN was used for SP Advanced Payments, the Vendor is "SP Advanced Payments". We are looking to include the FRN title in the future.

The Subaward Related Notes table is directly pulled from your most recent projection file.

					Subaward	d Summary					
Princ Inviest	ipal igator	Grant	Grant Name	Internal Order	Internal Order Name	Budget	Expenditures	Commitments	Projections	Total Cost Balance	
-							-	-	-	100.000	
											PI
						1.71.008	-	-		-	Grant
											Grant Name
)			All
				Subawa	rd-Funds Rese	ervation Numb	er Detail				All
Grant	Internal Or	der		FRN - Vendor		Most Recent Transaction Dat	Total Com te Amou	mitted A	ctuals R Co	lemaining ommitment	Internal Order Name
-						-				1.14	All
										10.0	
			10			100.000		0.000	10.001	1000.00	
_	100					100.000		1.00.0	100.001	100.00	Clear all slicers
					Subaward F	Related Notes					
Grant	Internal O	rder				Notes					
-	-										f

Subaward Detail Best Practices

A. Are your Subawards invoicing?





Summary by PI

The Summary by PI shows the budgets, actuals, commitments, and projections for the PI's entire portfolio broken down by Sponsored Class. This view can only show one PI at a time.

			PI:	ABERCROMB	IE RACHEL Tot	al Summary			
Grant	Grant Name	Sponsored Class	Budget	Expenditures	Commitments	Projections	Total Cost Balance	Direct Rem Balance	Indirect Rem Balance
		1	1			6 (m. 1	-		

Summary by PI Best Practices

A. Use this information when talking to your PI to ensure you are spending based on the award expectations.



DA Projections

This tool will assist the end user with calculating and incorporating salary and non-salary projections into either your current awards or new awards yet to arrive/be set up.

Navigation Summary

Navigation	Navigation Selecting the three horizontal lines will bring up the form choices within the DA Projections page.
Add or Update Grants/IOs	Add or Update Grants/IOs This allows a user to create a temporary grant/IO combo for proposals that have been accepted but are not yet entered into SAP that a DA/PI wants to project on. There is also a section to add a temporary IO to a grant so you can project on the pext year of the grant before an IO is generated
Add or Update Employees	in SAP. Add or Update Employees
Update Temp Employee IDs	This allows a user to add temporary employees and can be used for open positions, employees being added to a grant that are not currently in your purview, or as a placeholder for new hires. This section also allows the user to alter an existing employee's salary to project for salary increases, time decreases or promotions.
Upload / Download File	Update Temporary IDs This allows a user to reassign projections created with a temporary IO, Grant or Employee ID to a SAP ID. Once done, the projections are transferred to the new ID for any future projections.
	Upload / Download File When you are ready to create projections, this page will take the filtered data and send you an

When you are ready to create projections, this page will take the filtered data and send you an Excel projection file. Once you have entered in all the data into the workbook, you will navigate back to this page and upload it.

Financial Expenditure Research Dashboard



Download Projection File



1 Use the filters on the right-hand side to limit the data sent to you in the projection file.

Financial Expenditure Research Dashboard

- 2 Verify that you will be receiving all the data you are intending using the three tables (Grant, Internal Order, Employee)
- 3 Select the "Email me this projection file" button. You will receive a file via email in 5 minutes or less after clicking the button.
- 4 Any recently requested projection file is shown here for your user. This is only meant to monitor new projection file creation, so it is filtered to display only the last hour.



Upload / Download Files

Email me this projection file



1 Once you are satisfied with your projections file, save it to a place you can easily access. Select the "Upload completed file" button.

This will bring up a folder navigation pane. Locate and select the projection file you just completed. **Tip: Look at the Date Modified if you are unsure.* **3**

Select the "Open" button to upload it to our systems. The data will be processed and added back to the dashboard in approximately 30 minutes between 8:00 am and 6:00 pm.

When you have finished updating your file, please use the link to the right to upload your file, and track your projections in the Research Expenditure Dashboard.

The Grants, Internal Orders (IOs) and Employees that

will be sent in the email are included in the tables

above. Please use the Power BI filters included on

Any new items added in this session will not show in the table, however, they will be included in your

Please note, it takes approximately 5 minutes for the file to generate and email. You may navigate away

this page to control the items included in the

Your projections will be updated within the next hour.

Navigation

projection file.

from this page in the interim.

email.



2

Refresh Info on Page

Result

End Time

Projection Exports (Last Hour Only)

Start Time

User



Add or Update Grants/IO

Create Temporary Grant and Internal Order (IO)

**Note: Nothing you enter here effects SAP.

Grant or Temporary Grant	Grant Name			
Example: G1	Enter Grant Name		oggle be	tween the forn
Grant Start Date	Grant End Date	Previous fo	orm submiss	sions shown below
Example: 1/1/2023	Example: 1/1/2023	1 m Create Date	IO Number	IO Name
		3/20/2023	101	lOtest
Principal Investigator (PI)	Grant Type	3/28/2023	10123	testionew
		4/27/2023	1012	testioname
\sim	Federal-50	4/27/2023	1012	testioname
		6/20/2023	io8	Name
Temp Internal Order (IO)	IO Name	6/20/2023	102	IONAME
		6/20/2023	1024	IONAME
Example: IO1 2	Enter IO Name	6/21/2023	101	Year 1
	L	6/22/2023	1010002	Nanotech materials
IO Start Date	IO End Date	6/22/2023	io10	6
Example: 1/1/2023	Example: 1/1/2023	1 m More in	formation	
Propsed IO Total Budget	F&A Rate			
			Cubmit Nov	v Grant/IO

1 Temporary grants need to start with a G and can have up to 9 characters. You cannot reuse the same temporary grant number.

- 2 Temporary IOs need to start with IO and can have up to 12 characters. You cannot reuse the same IO number.
- 3 Enter the total budget for the temporary IO. This number will be used to calculate the remaining balances on the summary page.
- 4 Please enter the F&A rate as a full number (i.e. 65 for 65% rate). This will be used to calculate the F&A on both salary and expenditure projections.
- 5 Feel free to use the Notes section as free text for yourself.
- 6 This table shows all the temporary grants and IOs that have been used.

Other Notes:

- The dates can either be typed in or selected using a date picker.
- Use the drop down to select Principal Investigator and Grant Type.
- This does not submit a form to SAP or Sponsored Programs. This is just for projections.

Add Temporary IO to Current Grant

**Note: Nothing you enter here effects SAP.



Grant or Temporary Grant	Grant Name	Toggle between the forms
Grant Start Date	Grant End Date	Previous form submissions shown below
9/1/2014	8/31/2023	Create Date IO Number IO Name
Principal Investigator (PI)	Grant Type	3/20/2023 IO1 IOtest 3/28/2023 IO123 testionew
	Federal-50	4/27/2023 IO12 testioname 4/27/2023 IO12 testioname
Temp Internal Order (IO)	IO Name	6/20/2023 io8 Name 6/20/2023 IO2 IONAME
Example: IO1	Enter IO Name	6/21/2023 IO1 Year 1 6/22/2023 IO1002 Nanotech materials
IO Start Date	IO End Date	6/22/2023 io10
Example: 1/1/2023	Example: 1/1/2023	More information
Propsed IO Total Budget	F&A Rate	
Enter in USD 3	Enter % as whole number (ie 65)	4 Submit New Grant/IO

Financial Expenditure Research Dashboard

- Use the dropdown to select the grant you want to add the temporary IO to. The name, dates, PI, and type should automatically fill out.
 *If it does not update, hit the "Refresh Info on Page" button.
- 2 Temporary IOs need to start with IO and can have up to 12 characters. You cannot reuse the same IO number.
- 3 Enter the total budget for the temporary IO. This number will be used to calculate the remaining balances on the summary page.
- 4 Please enter the F&A rate as a full number (i.e. 65 for 65% rate). This will be used to calculate the F&A on both salary and expenditure projections.
- 5 Feel free to use the Notes section as free text for yourself.
- 6 This table shows all the temporary IOs that have been used.

Other Notes:

- The IO Start and End Dates can either be typed in or selected using a date picker.
- This does not submit a form to SAP or Sponsored Programs. This is just for projections.



1 If you know the employee's name enter it (First and Last Name). You can also put terms like "Placeholder", "New Employee", etc.

Financial Expenditure Research Dashboard

- 2 Temporary BUIDs need to start with EMP and can have up to 12 characters. You cannot reuse the same Temp Employee number.
- 3 This dropdown is to distinguish semi-monthly versus weekly paid employees and will determine the salary fields available to fill out.
- 4 If you do not want to have an end date, please use 12/31/9999
- 5 Depending on the Payroll Type, you will either enter the monthly pay per period (i.e. annual pay divided by12*) or the employees weekly estimated hours and their hourly rate to get a weekly payment amount. If they are on stipend, input 1 est. hour and the stipend amount in the hourly rate box.
- 6 Feel free to use the Notes section as free text for yourself.
- 7 This table shows all the temporary employees that have been used.

Other Notes:

- The Pay Period Start and End Dates can either be typed in or selected using a date picker.
- This does not submit a form to SAP or Human Resources. This is just for projections.
- *Use the amount that hits your budget, not what the employee take home pay amount.
 - Example: 9-month faculty (even accrual) would be annual amount divied by 9.



Other Notes:

• This does not submit a form to SAP or Human Resources. This is just for projections.

 Enter in the Employee's First and Last Name. Don't worry about spelling.

Financial Expenditure

- 2 Enter in the employee's BUID.
- 3 Once you have entered in the BUID, the "I just want to Add this UID to my projections, and not salary change" will become available for you to select.
- 4 Feel free to use the Notes section as free text for yourself.
- 5 The Submit New Employee button is available when the form is fully filled out. When you are happy with your entry, click the button.
- 6 This table shows all the temporary employees that have been used as well as the employees that you have added to your projections.



Salary Change for Employee



Other Notes:

- We intentionally did not automatically fill out the Payroll Type and Employee Group in case of promotion or change to employee position.
- The Pay Period Start and End Dates can either be typed in or selected using a date picker.
- This does not submit a form to SAP or Human Resources. This is just for projections.
- *Use the amount that hits your budget, not what the employee take home pay amount.
 - $_{\odot}$ $\,$ Example: 9-month faculty (even accrual) would be annual amount divided by 9 $\,$

Last Modified: 10/18/2023 Version: 2.0



- Financial Expenditure Research Dashboard
 Use the dropdown to s Employee you want to
- 1 Use the dropdown to select the Employee you want to create a salary change for. The BUID should automatically fill out. **If it does not update, hit the "Refresh Info on Page" button.*
- 2 This dropdown is to distinguish semi-monthly versus weekly paid employees and will determine the salary fields available to fill out.
- **3** If you do not want to have an end date, please use 12/31/9999
- 4 Depending on the Payroll Type, you will either enter the monthly pay per period (i.e. annual pay divided by12*) or the employees weekly estimated hours and their hourly rate to get a weekly payment amount. If they are on stipend, input 1 est. hour and the stipend amount in the hourly rate box.
- **5** Feel free to use the note section as free text for yourself.
- 6 This button can be used to refresh the auto-filled in fields (BUID, Calculation for hourly pay, etc.)





Update Temporary IDs

You can use this page to update Temporary BUIDs, Grant or Internal Order numbers.

The data can only be updated if the Temporary ID has been used in projections, otherwise there are no projections to transfer.

To complete the process, select a Temporary ID from any dropdown and then enter the SAP number in the Updated ID section. Once you have filled the form out completely, the button to update will be enabled.







Tab Summary



1. **Summary** - This page shows the impact of projections upon the budget of Internal Orders. It covers both the impact of Salary, and Expenditures and updates with any changes made to either the Salary Cost Projections or the Expenditure Projections. There are calculations for the Projected F&A, Fringe, and Direct and Indirect Balance Remaining.

The summary page is to be used to show during meetings with PIs when attempting to do projections across their internal orders. Using the projections on other sheets, you would be able to adjust the amounts projected and then see the effect on the remaining budget for different internal orders.

- 2. Weekly % Calc A tool to calculate the number of Fridays (aka paychecks) weekly employees will receive in a month to accurately capture the right percentage to use on the Salary Cost Projection tab. This tool has breakdowns for 1, 2, and 3 grants, allowing for the percent of time to be multiplied by the total percent of effort that the individual will be working.
- 3. **Salary Cost Projections** This page allows projections for Internal Orders on any Employee included in the spreadsheet using a percentage of their salary. This percentage is the amount that the individual will be paid for the month from this Internal Order and not an estimate of their effort. The summary uses this percentage to calculate the total effect on the budget of the Internal Order. Note that the Salary Cost Projections will include internal orders that are not the responsibility of the requesting DA. This is to allow for a full picture of the Employee and to see all Internal Orders they are currently being charged to. Please see the best practices for projecting on these additional Internal Orders.
- 4. **Expenditure Projections** This page allows projections of expenditures based on the combination of Internal Order, GL Account and Sponsored Class. The Summary uses this dollar amount to calculate the total effect on the budget of the Internal Order.
- 5. New EE & Salary Changes This page displays any temporary employees or salary changes currently active in the projection system. These are employees being added to grants, placeholder for new hires, or changes to an employee's salary to project for salary increases, time decreases or promotions.
- 6. New Grants & Internal Orders This page displays any temporary grants or internal orders currently active in the projection system. These are temporary grant/IO combos for proposals that have been accepted, but not entered into SAP or a temporary IO on a current grant to allow for projections on the next year of the grant.

BUID 3

× 11

👗 Cu<u>t</u> Copy

27 28 29 -

On the Salary Cost Projections and Expenditure Projections, you will find that there are dropdowns for all required fields.

These dropdowns represent either requested items (like for grants shown on the right) from the Financial Research Expenditure Dashboard (FRED) or will represent all options available, such as for the Sponsored Class and GL Account.

These dropdowns also act as data validation, allowing only certain entries. You are not able to project on Employees, Grants or Internal Orders not included in the Projections Sheet. If you do not see a grant, please go back into PowerBI and change your filters and request a new spreadsheet.

> Required fields on the Projections sheets will be highlighted in light red when they are incorrect. If the sheet is submitted without all required fields, an email will be sent from FREDhelp@bu.edu with information about filling out the projection sheet, and which sheets had missing data.

> > 52

0.00

0.00

0.00

May-24 Jun-24 Jul-24

0.00

0.00

0.00

0.0

0.0

0.0

0.00

0.00

0.00

On the Salary Cost Projections and Expenditure Projections the cells highlighted in grey are outside of the Internal Order Project dates. This is informational only, you can still project even though the cells are grey. For this, the Internal Order on the second line is not valid after May 2024.

Internal Order

-24

~ A^ A` \$ ~ % 🤊 🗐 B I Ξ 💁 - A - 🖽 - 🐄 🐝 🎺 Search the menu Paste Options Ê 🍺 🗟 Paste Special.

💌 Employee 🔄 💌 Internal Order 💌 Name

If you need to add rows to any of the Projection sheets, you can do so by either inserting a row (by right-clicking on the row and selecting insert) you can also utilize the additional empty rows at the bottom of the table.













You are able to hide and show columns by clicking the + buttons on top of the rows (these are columns that are grouped together), or by right clicking any column header and selecting the "Hide Column" option.

You can freeze and unfreeze panes within the different sheets by opening the View menu and selecting "Unfreeze Panes" under the "Freeze Panes" option.







The Summary page is used to display the effects of projections on each Internal Order. This page allows for filtering, sorting and the hiding of any row or column.

The projections are organized by Grant and Internal Order.



- 1. **Overhead Key and Costing Sheet** The overhead key is the current F&A rate for the grant expressed as a whole number and derived from the Costing Sheet. This data is taken from SAP.
- 2. Budget Minus Expenses This is the current available budget as of the date this file was generated. The totals are accurate to what would appear that day in the BW report: Grant Budget Vs. Actuals.



- 1. **Expenditure Projections** These show the totals of the expenditures projected on the Expenditure Projections sheet. The first column combines commitments and projected expenditures with the F&A and fringe as necessary per expenditure. The other columns show the breakdown of the amount for Commitments, Projections, Fringe, and F&A.
- Salary Projections These show the totals of the salaries projected on the Salary Cost Projections sheet. The first column combines all salary and their additional Fringe and F&A as necessary per Internal Order. The other columns show the breakdown of that amount into Salary, Fringe and F&A.
- Remaining Balance These show the remaining balance after projections, combining those numbers with the Budget Minus Expenses column. The Direct Remaining Balance is Budget – Actuals - Projections, incl. both Fringe and F&A. The Indirect Remaining Balance is (Direct Remaining Balance / (1 + F&A Rate / 100).

BU Financial Affairs: Continuous Improvement & Data Analytics Weekly % Calc Sheet

The Weekly % Calc sheet contains a tool to calculate the number of Fridays (aka paychecks) weekly employees will receive in a month to accurately capture the right percentage to use on the Salary Cost Projection tab. This tool has breakdowns for 1, 2, and 3 grants, allowing for the percent of time to be multiplied by the total percent of effort that the individual will be working.

	A	0	<u> </u>	0	L .		0			,	N.	L .	IVI	IN	0	- F	ų	IN IN	5	1	0
1	Projection Per	centage Ca	lculator for We	ekly Emp	oloyees																
2																					
-																					
	Start Date	End Date	# ridays	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1)			# aychecks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			onth/Year																		
	Percent of time	100	lercentage																		
3	L .																				
(Start Date	2	# Fridays	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1		# Paychecks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2		Month/Year																		
5	Percent of time #1	50.00	Percentage #1																		
	Percent of time #2	50.00	Percentage #2																		
	5																				
	7 Start Date	End Date	# Fridays	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3		# Paychecks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
)		Month/Year																		
3	Percent of time #1	50.00	Percentage #1																		
	Percent of time #2	30.00	Percentage #2																		
	Percent of time #3	20.00	Percentage #3																		

Weekly % Calc Best Practices

If you have a student who is only going to be working the semester you would:

- 1. Determine how many grants they will be on and select the appropriate calculator (1, 2, or 3 grants)
- 2. Next you would adjust the percentage of time accordingly for the grant(s)
- 3. Then you would enter in the semester working time frame into the Start/End Date
- 4. Next copy the Percentage and Paste Special values into the corresponding employee/IO line.

Start Date	End Date	# Fridays	5	4	4	5	4	4	5	4	5
9/4/2023	5/3/2024	# Paychecks	4	4	4	5	4	4	5	4	1
		Month/Year	09/23	10/23	11/23	12/23	01/24	02/24	03/24	04/24	05/24
Percent of time	100.00	Percentage	80.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	20.00
Start Date	End Date	# Fridays	5	4	4	5	4	4	5	4	5
9/4/2023	5/3/2024	# Paychecks	4	4	4	5	4	4	5	4	1
		Month/Year	09/23	10/23	11/23	12/23	01/24	02/24	03/24	04/24	05/24
Percent of time #1	60.00	Percentage #1	48.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	12.00
Percent of time #2	40.00	Percentage #2	32.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	8.00

Financial Affairs: Continuous Improvement & Data Analytics Salary Cost Projections Sheet



The Salary Cost Projections sheet is used to enter percentages on each employee to account for the percentage of their Salary that is assigned to a particular Internal Order or Funds Center.

This sheet allows for filtering, sorting and the hiding of any row or column. The sheet allows for both inserting and deleting rows. Please note that while the sheet allows for the deletion of rows, any Employees with actuals or projections for them will continue to show up on future projection sheets.

	A	Ď	E	F	G	H		J	
		(1					2		
								Employee	
				Internal Order		Funds Center		Group	
3	BU ID	Employee	💌 Internal Ordei	🔹 Name 🔤	Funds Center 💌	Name	🝸 Payroll Area	Combined	-

- BU ID, Employee & Internal Order Cost Projections are assigned based on the BU ID and Internal Order and update the summary page. Available employees can be selected by BU ID. There are Data Validation dropdowns for BU ID, Employee, Internal Order and Internal Order name.
- Payroll Area & Employee Group Combined The Payroll Area is whether the employee is paid semi-monthly (S1) or weekly (W1). All students are considered weekly employees. Employee Group Combined is a combined column of the code for the Employee Group and the text explanation. This is a condensed list that is used to calculate Fringe rates.

Below is an example of an employee paid across two Internal Orders and a funds center:

		Default Value		
EXAMPLE		when Grant is		Probing the
EMPLOYEE	55210450	Not Relevant	9550306219	physical and
		Tumor Specific		
EXAMPLE		Delivery of		Tumor Specific
EMPLOYEE	50206213	Verticillin A	9500308087	Delivery
		Default Value		
EXAMPLE		when Grant is		
EMPLOYEE	GRANTNR	Not Relevant	NDED_PROGR	

The rows highlighted in Yellow are also on the Summary worksheet, and will update the calculations for Salary projections and balances on the summary tab. Please see the best practice guidelines for how to update the Percentage for employees who are in outside internal orders.





The sheet is prepopulated with actuals for the last 12 months for Employees who were requested from FRED. It shows the percentage of PAR Eligible salary the employee was paid from each Internal Order or Funds Center for those 12 months.



- 1. Actuals The actuals for any employee are in the columns in light brown. The dates will change dependent on when the file is generated but will always show the most recent 12 months.
- 2. **Projections** The first projections column allows for entry of Retroactive Changes to the first month of the projections, in this case July 2023. There are 5 years of projections columns available to project on salary, totaling 60 individual months.

Below shows an example of how to fill out two rows an Employee, for instance.



To remove a projection you have previously made, you can simply set the projection in that month to zero.





Expenditures Projections Sheet

The Expenditures Projections sheet is used to enter the total amount of expenditures for a particular Sponsored Class and General Ledger (GL) Account.

This sheet allows for filtering, sorting and the hiding of any row or column. The sheet allows for both inserting and deleting rows. Please note that while the sheet allows for the deletion of rows, any Employees with actuals or projections for them will continue to show up on future projection sheets.



- 1. **Grants and Internal Orders** Expenditure Projections are prepopulated only with the Grants and Internals orders with current open commitments or was previously projected on. However, any Grant or Internal Order requested from the Financial FRED is available for Expenditure Projections. In addition, any temporary grants or internal orders are always available.
- Sponsored Class and GL Account Combined The Sponsored Class and GL Account are the two fields that drive what the expenditure should be charged to. There are drop downs available for both Sponsored Class and GL Account. The Sponsored Class filters the GL Accounts available, as shown to the right. There is only 500040 General Ledger available for the 05_Capital Equipment Sponsored Class.

			Ope
	GL Account		Com
Sponsored Cla	Combined	Ŧ	Amo
	500040 STIPEN	ID	
05_CAPITAL_EQ	& AWARD		
UIP	COMP		-
13 OTHER CONT	500040 STIPEND	& A	w.
	N)		

3. **Open Commitment Amount** – This open commitment is the amount accurate as of when the file was generated. This open commitment amount is specific to the Sponsored Class and GL Account.

						Open	
			Internal Order		GL Account	Commitment	
Grant	🖌 Grant Name	💌 Internal Order	Name	Sponsored Cla	Combined 🗾 💌	Amount	-
					500040 STIPEND		
				05_CAPITAL_EQ	& AWARD		
EXAMPLEGRAN	T GRANT NAME	EXAMPLEIO	IO NAME	UIP	COMP	\$246.	28
				13 OTHER CONT	515000 CNTR		
EXAMPLEGRAN	T GRANT NAME	EXAMPLEIO	IO NAME	SVS	SVCS-OTHER	\$41.	96

The above example shows a single IO generated with two lines of open commitments, tied to that specific Sponsored Class and GL combination.



The sheet is prepopulated with actuals for the last 12 months for expenditures on the Internal Orders requested from the Financial Research Expenditure Dashboard. It shows the dollar amount for those 12 months of the actuals for any Sponsored Class and GL Account with currently open commitments. The sheet allows for additional rows which would allow for projection on any combination of Sponsored Class and General Ledger.



- 1. Actuals The actuals of the expenditures are in the columns in light brown. The dates will change dependent on when the file was generated but will always show the most recent 12 months.
- 2. **Projections** There are 5 years of projections columns available to project on expenditures, totaling 60 individual months. The start date is always the current month.

Below shows an example of how to fill out a row of expenditures:

0	newe an example e			onponialiai	00.			Fill out the total
	Grant 🔽 Grant Name	Internal Order	Internal Order Name	Sponsored Cla	GL Account Combined	y Jul-23	Aug-23 🔽 Se	dollar amount of expenditure for
					500040 STIPEND)		
				05_CAPITAL_EQ	& AWARD			Class and GL
	EXAMPLEGRANT GRANT NAME	EXAMPLEIO	IO NAME	UIP	COMP	\$3,233.	\$222.	Account.
					×			

To remove a projection you have previously made, you can simply set the projection in that month to zero.





New EE & Salary Changes sheet

This sheet shows any temporary employees that the person requesting the data has created. This page is for display only but can be filtered and sorted.

A	в	L L	U	E	F	G	н	
This page is inform	ational only. I	t is used to show the New Grants a	and Internal Order	s that you have crea	ated in the FRI	ED app.		
Created Date	Temp BUID	Employee Name	Pay Period Start	Pay Period End	Payroll Type	Employee Group	Pay Per Period	Notes
6/26/2023 14:51			6/26/2023 0:00	8/27/2023 0:00	W1	Graduate Student-C	750	
6/26/2023 14:51			6/26/2023 0:00	8/27/2023 0:00	W1	Graduate Student-C	750	
6/26/2023 14:52			6/26/2023 0:00	8/27/2023 0:00	W1	Graduate Student-C	750	

Employees on this page can be projected on the Salary Projections sheet.

New Grants & Internal Orders sheet

This sheet shows any temporary internal orders that the person requesting the data has created. This page is for display only but can be filtered, and sorted.

		C C	U	E	F	G	н		J	K	L	M
This page is informational only. It is used to show the New Grants and Internal Orders that you have created in the FRED app.												
ant Gr	rant Name	Grant Type	Project Start Date	Project To Date	Principal Investigator	Internal Order	Internal Order Name	SP Valid From	SP Valid To	Proposed Budget	F & A Rate	Notes
1	s page nt G	s page is informat nt Grant Name	s page is informational only. It nt Grant Name Grant Type	s page is informational only. It is used to show the nt Grant Name Grant Type Project Start Date	s page is informational only. It is used to show the New Grants and I nt Grant Name Grant Type Project Start Date Project To Date	s page is informational only. It is used to show the New Grants and Internal Orders that you nt Grant Name Grant Type Project Start Date Project To Date Principal Investigator	s page is informational only. It is used to show the New Grants and Internal Orders that you have created in 1 nt Grant Name Grant Type Project Start Date Project To Date Principal Investigator Internal Order	s page is informational only. It is used to show the New Grants and Internal Orders that you have created in the FRED app. nt Grant Name Grant Type Project Start Date Project To Date Principal Investigator Internal Order Internal Order Name	s page is informational only. It is used to show the New Grants and Internal Orders that you have created in the FRED app. Internal Order Name SP Valid From nt Grant Name Grant Type Project Start Date Project To Date Principal Investigator Internal Order Internal Order Name SP Valid From	s page is informational only. It is used to show the New Grants and Internal Orders that you have created in the FRED app. Internal Order Name SP Valid From SP Valid To nt Grant Name Grant Type Project Start Date Project To Date Principal Investigator Internal Order Internal Order Name SP Valid From SP Valid To Image: Project Start Date Project To Date Principal Investigator Internal Order Internal Order Name SP Valid From SP Valid To Image: Project Start Date Project Start Date Principal Investigator Internal Order Internal Order Name SP Valid From SP Valid To Image: Project Start Date Project Start Date Principal Investigator Internal Order Internal Order Name SP Valid From SP Valid To Image: Project Start Date Project Start Date Principal Investigator Internal Order Internal Order Name SP Valid From SP Valid To Image: Project Start Date Project Start Date Principal Investigator Internal Order In	s page is informational only. It is used to show the New Grants and Internal Orders that you have created in the FRED app. Image: I	s page is informational only. It is used to show the New Grants and Internal Orders that you have created in the FRED app. Image: Colspan="6">Image: Colspan="6">Image: Colspan="6">Image: Colspan="6">Image: Colspan="6" r Grant Name Grant Type Project Start Date Project To Date Principal Investigator Internal Order Internal Order Name SP Valid From SP Valid To Proposed Budget F& A Rate Image: Colspan="6">Image: Colspan="6">Image: Colspan="6" Image: Colspan="6">Image: Colspan="6" Image: Colspan="6">Image: Colspan="6" Image: Colspan="6">Image: Colspan="6" Image: Colspan="6">Image: Colspan="6" Image: Cols

Any Grants or Internal Orders on this page are available for projecting expenditures, or to project salary for an employee on the Salary Cost Projections sheet.

Best Practices for Completing Projections

- A. Complete at a minimum on a quarterly basis
 - a. Based on Portfolio, PI's, and dollar amount, monthly projections may be appropriate
- B. Complete at time grant is set-up in system.
- C. Project salaries (Faculty, Staff, Graduate Students) for the first year.
- D. Project other non-salary committed items as you know them.
- E. Do not project beyond the current obligated budget.
- F. Update the file to include any new hires and/or terminations.



Examples of Common Requests using the Financial Research Expenditure Dashboard

Question: I would like to promote my research assistant to project manager, cover 50% of a current doctoral student's time, and add a post-doc at 100%, how will this affect my budget?

Technical Steps:

- 1. Submit two forms in FRED to change the salary for the research assistant and then add a temporary employee for the new Post-Doc with their salary and start/end dates. (Using <u>the Add/Or Update Employees page</u>)
- 2. Request and receive a projection excel workbook from FRED. (Using the Upload/Download Page)
- 3. Enter the Salary Percentages for these Employees on the particular internal orders. (Using the Salary Cost Projections sheet)
- 4. On the Summary Sheet, you will see the effect of these projections on the Direct and Indirect Remaining Balance. (Using <u>the</u> <u>Summary sheet</u>)
- 5. Once you are finished, upload the file back to FRED (Using the Upload/Download Page)

Question: I need to decrease the materials and supplies budget and add a new fee for service agreement (not part of the original budget), can I do this and stay within budget?

Please note that budgets are not projected, however you are able to project that your expenditures of \$X amount on a particular Sponsored Class, GL Combination within a certain month.

Technical Steps:

- 1. Request and receive a projection excel workbook from FRED. (Using the Upload/Download Page)
- 2. Update the projections for the Materials and Supplies, filtering to the correct Sponsored Class and GL Account. (Using the Expenditures Projections sheet)
- 3. Add a line for the new Service Agreement with the correct Sponsored Class and GL Account (Using <u>the Expenditures Projections</u> <u>sheet</u>)
- 4. Once you are finished, upload the file back to FRED. (Using the Upload/Download Page)

Question: Faculty B is a Co-PI on my award, they are moving to a new institution, thus I need to add a subaward, how will this affect my budget?

Please note that you will need to update budgets in SAP to see any budget changes in FRED.

Technical Steps:

- 1. Request and receive a projection excel workbook from FRED. (Using the Upload/Download Page)
- 2. Add an expenditure for the Subaward for the correct months. (Using the Expenditures Projections sheet)
- 3. Remove any Salary Projections for that individual by setting them to zero. (Using the Salary Cost Projections sheet)
- 4. Once you are finished, upload the file back to FRED. (Using the Upload/Download Page)



Question: The amount I expect for my student employees is not matching FRED. Why?

Due to the timing of student employment and the inconsistency of student employment data, forecasting on graduate and undergraduate student employees might not come out to the numbers you would expect. There are a few options you can utilize to mitigate this problem and depending on the number of employees affected, one might make sense over the other.

- 1. Ensure you are using the right timeframe percentage.
 - a. For instance, if the semester starts on 9/4, their first paycheck will be on 9/8. This means that they will only get paid 3 out of the 5 weeks in September. For this we would need to adjust the percentage pay to 60% entered as 60.00. To help in this calculation, we have created a <u>weekly percentage calculator</u>.
 - b. If they are not working 100% for a grant, then you would multiply 60% * working time. Ex. 60% (Fridays) * (50% working time) then the percentage pay would be 30.0%, entered as 30.0 in the September projection.
- 2. Update the salary amounts in the DA Projection App.
 - a. Not all salary amounts are entered into student employment in advance of the semester starting. To get a more accurate picture of total costs to the grant, you may need to enter in a salary change in the DA Projection App.

Navigation	Add or Update Employees	()	Refresh Info on	Page
Create Temporary Emplo	oyee or Add Current 🕢 Salary Chang	ge for Employee		
Employee Name	Temp or BUID			

- b. Enter the salary projects for student employees in the Expenditure Projections page.
- 3. If you have a lot of students, entering all the new salaries might be too tedious. For this you can utilize the expenditure projections.
 - a. Add a row at the end of the sheet. Enter in the grant/IO information pertaining to the student employees you want to project. Select the Sponsored Class: 02 SALARIES & WAGES-Student and a payroll GL.

02 SALARIES & WAGES-	-
02 SALARIES & WAGES-Student	
04 RES SUP & MIN EQU	- n
05_CAPITAL_EQUIP	
06 TRAVEL DOMESTIC	
07 TRAVEL FOREIGN	-
08 SUBAWARDS	
09 SEQUENCING SVS	
10 PAYMTS HUMAN SUB	\sim

b. You can either enter a different row per student employee, entering the EE name in the notes section or aggregate the total population. Enter in the dollar amounts that will hit the IO each month.