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Research
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Coffee with ORPA:

Proposal Budgeting and Princeton ERA

February 22nd, 2022

Presenters:

Kyle Burkhardt

Courtney Kohut

Paula Looney



Agenda

- Budgeting: A 15 minute Refresher
- Additional Budgets on Projects in Princeton ERA
- Non-Standard Budget Periods in Princeton ERA
- Quiz
- Q&A

BUDGETING: A 15-MINUTE REFRESHER

Paula Looney



What is a budget?

- The financial expression of the project/scope of work
- Budgets are good faith estimates, reflecting due diligence at the time the budget was developed
- Using University budgeting/costing policies, procedures and rates, such as:
 - [F&A Rate Agreement](#)
 - [Benefits Rate](#)
 - [Graduate Student Rates](#)
 - [Institutional Allowance](#)
 - [Escalation Rates](#)
- Budgeting information can be found on the ORPA website under [Institutional Information](#) and on our [posted rate sheet](#).
- Incorporating federal regulations (e.g., the Uniform Guidance), sponsor policies, solicitation terms, caps and/or guidance

Building a budget

- › Familiarize yourself with the institutional costing rates/procedures
- › Read the funding call and familiarize yourself with the sponsor and program requirements
- › Communicate with the Principal Investigator on the budget needs to perform the Scope of Work (SoW)
 - › Personnel-related costs (often make up the majority of the budget)
 - › Nonpersonnel-related costs
- › Understand any line item or direct/total cost funding limits
- › Know the start date and budget periods

Costs that make up a budget

> Direct

- > Persons Months (salary does not equal effort!)
 - > Postdocs
 - > Students
 - > PIs/Faculty
- > Materials and Supplies
- > Equipment
- > Consultants (domestic and foreign)
- > ~~Tuition~~
- > Travel
- > Other

> Indirect

- > Organized Research On-Campus (62%)
- > Organized Research [Off-Campus](#) (26%)
- > OSA
- > Sponsor Requirements (e.g., published policies on F&A)
- > MTDC vs. TDC
- > [Waiver Requests](#)

Budgeting – What is the base?

› Modified Total Direct Costs

- › **MTDC:** Per the University's F&A rate agreement with the government, rate includes all direct costs except fellowship stipends, participant support costs, equipment over \$5,000, subaward costs over the first \$25,000 (for each subaward), renovation costs.
- › Excludes tuition and fees until AY/FY23, when tuition will no longer be budgeted or charged

› Total Direct Costs

- › TDC: Rate applies to all budget items and should be used when **sponsor does not allow the federally negotiated rate (i.e., many/most nonprofit sponsors)**
- › Sponsor solicitations with IDC caps and requirements must be uploaded into the Princeton ERA record

Cost-Reimbursable vs. Firm Fixed Price

› Cost-Reimbursable

- › Budgets are based off planned costs, including direct and indirect
- › The University's preferred reimbursement method
- › Invoices are submitted based on actual costs
- › No-cost extensions are requested as needed to complete project aims
- › Residual balances are returned to the sponsor

› Firm Fixed Price

- › Budgets are based off planned costs, including direct and indirect
- › Financial risk related to meeting milestone deliverables (PI/Unit assumes risk)
- › Invoices are tied directly to technical performance/deliverable milestones
- › These should be expensed in the same manner as cost reimbursable projects
- › No-cost extensions are requested as needed to complete project aims
- › Policy on residual balances
- › We used to see very few of these, but now we are seeing more

Stipend/Tuition Changes – AY/FY23

- › Tuition will no longer be budgeted on G0001 and G0002 projects
- › Assistantship in Research (AR) stipend will increase from \$31,720 to \$40,000
- › New stipend rate step increases go into effect for AY/FY23
- › Summer \$8,000
- › One month = \$4,000
- › The current post-FY23 stipend inflator assumption is 3%

Stipend/Tuition Changes

› Accepted Awards

- › Stipend rate step increases go into effect for AY/FY23
- › No tuition charges on G0001/G0002 projects in AY/FY23
- › Utilize expanded authority as applicable
- › Sponsor notices/re-budgets to be completed as necessary (project specific)

› Incoming Awards

- › Stipend rate step increases go into effect for AY/FY23
- › No tuition charges on G0001/G0002 projects in AY/FY23
- › Utilize expanded authority as applicable
- › Re-budget/Relinquish at acceptance where applicable

ADDITIONAL BUDGETS ON PROJECTS IN PRINCETON ERA

Courtney Kohut

Additional Budgets

- Just like a COEUS hierarchy, multiple budgets allow for costs to be compartmentalized for one of several reasons:
 - Award has multiple PI's
 - Fabrication(s)
 - Participant Support Costs (Required)
 - On/Off Campus Activities (Required)
 - Special projects on an award
 - Subawards
 - Sponsor requirement to financially report by project specific aims
- Sponsor will be unaware of multiple projects



Multiple PIs on an Award

- A project can be setup for each faculty PI – *some lead PIs want to manage all of the funds and will not agree to separate projects*
- Each PI will receive their own chartstring
- Each department can manage their own expenses, though the lead department of the award bears overall financial responsibility for spending on the award
- Costs most likely include summer salary, student costs, post-docs, materials and supplies
- Easier to administer when each PI has their own funding
- Depending on expenses, may not be easy to split between PIs if sharing graduate students, or other costs on a project.
- Sometimes the lead PI wishes maintain overall management responsibilities and projects may be setup under the lead dept. only





Fabrications

- What is a [fabrication](#)?
 - When a PI will be building, or fabricating a piece of equipment from smaller material and supply costs with a value of less or more than \$5,000, but when permanently combined into a single unit, the total value will be over \$5,000 and the unit will be treated as a capital asset
- Budget does not use standard F & A cost base and rates in ERA
- No need to journal expenses to remove IDC on charges
- No Personnel Costs (unless you are paying for glass shop charges)
- Adding General Costs to your budget like **materials and supplies** (6456), not equipment costs (6551) (*unless a piece of equipment is part of the total costs of the fabrication*).
- When purchases are being made, they will be M & S costs, to be charged to this non-overhead bearing chartstring.

Fabrications - continued

- Add each cost element to the fabrication budget
- There will be no indirect costs on the entire budget
- The PI normally is aware of what they are building and will have a name for the final item
- Ensure this is clearly described in the budget justification under equipment.
- If the PI is fabricating something to be delivered to the sponsor, this is not a fabrication and overhead should be budgeted.
- Will be included in a sponsor's budget as equipment, since this will be a single unit when completed and receive a single asset tag
- The budget justification should refer to this as a fabrication, or build. *Confirm with your PI's that they are building something.*
- If they do not end up building something, IDC will ultimately be assessed as appropriate/at closeout

ERA Budgets

Budgets	SF424 Summary	History	Reviewers	Attachments	Financials	...	
Working Budgets							
Name	SmartForm	▼ Date Modified	State	Funding Source	Total	In Financials?	
 Lead PI Budget	[Edit] ▼	2/20/2022 5:53 PM	Draft	Federal	\$0	yes	
 Fabrication #2	[Edit] ▼	2/15/2022 3:06 PM	Draft	Federal	\$30,000	yes	
 Co-PI Budget	[Edit] ▼	2/14/2022 1:30 PM	Draft	Federal	\$240,100	yes	
 Fabrication #1	[Edit] ▼	2/14/2022 12:47 PM	Draft	Federal	\$9,000	yes	
4 items		◀ page <input type="text" value="1"/> of 1 ▶			<input type="text" value="10"/> / page		

Current All-Period Totals	Period 1	Period 2	Period 3	Period 4	Period 5	Cumulative
Personnel:	\$0	\$0	\$0	\$0	\$0	\$0
Salaries:	\$0	\$0	\$0	\$0	\$0	\$0
Benefits:	\$0	\$0	\$0	\$0	\$0	\$0
General:	\$9,000	\$0	\$0	\$0	\$0	\$9,000
Materials and Supplies	\$9,000	\$0	\$0	\$0	\$0	\$9,000
Total Direct:	\$9,000	\$0	\$0	\$0	\$0	\$9,000
Total F&A:	\$0	\$0	\$0	\$0	\$0	\$0
Project Total:	\$9,000	\$0	\$0	\$0	\$0	\$9,000
F&A Costs (Non-Standard)	Period 1	Period 2	Period 3	Period 4	Period 5	Cumulative
Start Date:	3/1/2022	3/1/2023	3/1/2024	3/1/2025	3/1/2026	
End Date:	2/28/2023	2/29/2024	2/28/2025	2/28/2026	2/28/2027	
Indirect Cost Rate:	62%	62%	62%	62%	62%	
Indirect Cost Type:	MTDC	MTDC	MTDC	MTDC	MTDC	
Indirect Cost Base:	\$0	\$0	\$0	\$0	\$0	
Indirect Funds Req.:	\$0	\$0	\$0	\$0	\$0	



Participant Support Costs

- This category requires a separate budget in ERA
- This budget category refers to direct costs for items such as stipends or subsistence allowances, travel allowances, and registration fees paid to or on behalf of participants or trainees (but not employees) in connection with NSF-sponsored conferences or training projects.

3. * Does this budget use the standard F&A cost base and rates? ?

Yes No [Clear](#)

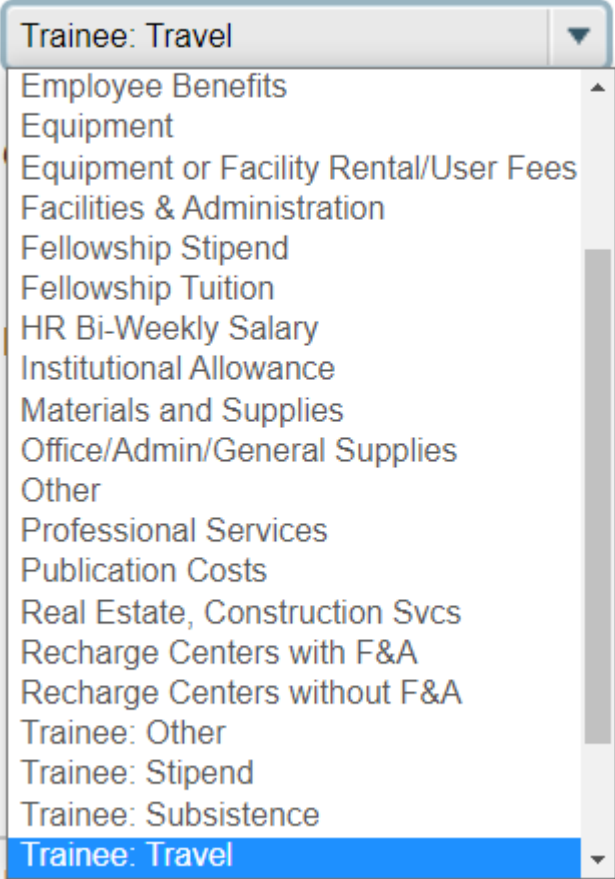
Non-standard F&A cost base and rates

	Period 1	2	3	4	5	
F&A Cost Base	Start: 3/1/2022 End: 2/28/2023	3/1/2023 2/29/2024	3/1/2024 2/28/2025	3/1/2025 2/28/2026	3/1/2026 2/28/2027	
<input type="text" value="NONE"/>	Rate: <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Clear"/>

Participant Support Costs

- In ERA – you will choose the appropriate categories for this budget.
- Best to add costs to a category to ‘open’ the expense category, or you will need to request sponsor approval to re-appropriate costs.

1. * General cost type:



The image shows a screenshot of a software interface with a dropdown menu. The dropdown is open, showing a list of cost categories. The current selection is 'Trainee: Travel', which is highlighted in blue. The list includes various categories such as 'Employee Benefits', 'Equipment', 'Fellowship Stipend', and 'Professional Services'. To the left of the dropdown, there are three numbered orange arrows pointing to the first three items in the list: 'Employee Benefits', 'Equipment or Facility Rental/User Fees', and 'HR Bi-Weekly Salary'. The text 'equipped' is partially visible at the bottom left of the dropdown area.

Number	Cost Type
1.	Employee Benefits
2.	Equipment
3.	Equipment or Facility Rental/User Fees
	Facilities & Administration
	Fellowship Stipend
	Fellowship Tuition
	HR Bi-Weekly Salary
	Institutional Allowance
	Materials and Supplies
	Office/Admin/General Supplies
	Other
	Professional Services
	Publication Costs
	Real Estate, Construction Svcs
	Recharge Centers with F&A
	Recharge Centers without F&A
	Trainee: Other
	Trainee: Stipend
	Trainee: Subsistence
	Trainee: Travel

equipped

Participant Support Costs

- Participant support costs must be accounted for separately should an award be made. (as per PAPPG)
- Project has 0% IDC on ALL COSTS
- Highly scrutinized category by Sponsors
- Moving funds out of this category requires Sponsor approval
- Moving funds into this category does not require Sponsor approval
- Should not include breakfast, coffee, training supplies, room rental, materials and supplies
- Create this project at proposal stage
- Need to easily isolate costs for sponsor reporting and compliance
- Charges will hit this chartstring directly, removing need to journal costs later
- Payments to employees are not participant support costs
- Human subject payments are not participant support costs
- Speakers and trainers generally are not considered participants and should not be included in this section of the budget

Participant Support Costs

NSF Guidance

- This section of the budget also may not be used for incentive payments to research subjects. Human subject payments should be included on line G.6. of the NSF budget under “Other Direct Costs,” and any applicable indirect costs should be calculated on the payments in accordance with the organization’s Federally negotiated indirect cost rate.
- Participant support costs must be specified, itemized, and justified in the budget justification section of the proposal
- Sponsor normally breaks down costs between certain categories
 - Stipends
 - Travel
 - Subsistence
 - Other

On and Off Campus Costs

- Projects that occur both on and off campus will need to have different budgets based on the [off-campus policy](#)
- Please review the updated Princeton off-campus policy to ensure compliance
- Depending on the budget and the percentage of total direct off-campus costs, will need to have an on (62%) and off-campus budget (26%)
- Backup regarding the calculation of on vs. off campus costs should be uploaded as an attachment (excel spreadsheet)
- If you have questions, please contact your ORPA GCA to discuss further

On and Off Campus Costs

- Grant or Contract Award (annual level) under \$100,000 in Modified Total Direct Costs (MTDC): Projects of this size which are partially performed off-campus are not apportioned between their on-campus and off-campus components for F&A rate purposes; instead, either the on-campus or the off-campus rate will be used in its entirety. If 50% or more of the project's Modified Total Direct Costs (MTDC) is to be expended on campus, the entire project is charged the on-campus F&A rate. If 50% or more of the MTDC is determined to be off campus, the entire project is charged the off-campus F&A rate.
- Grant or Contract Award (annual level) of \$100,000 or more in Modified Total Direct Costs (MTDC): For projects of this size which are partially performed off-campus, MTDC is apportioned between on-campus and off-campus components for F&A rate application purposes when the lesser component is 20% or more of the MTDC of the project. However, if 80% or more of the project's MTDC is determined to be on-campus, the entire project is charged the on-campus rate. If 80% or more of the MTDC is determined to be off-campus, the entire project is charged the off-campus rate.

Special Projects on Awards






- Supplemental funding from a Sponsor may need to be separated
- Some awards require the separation of activities for the purpose of invoicing/financial reporting
- Providing ability for information warehouse to provide reports to PIs on their spending
- May be other reasons that warrant separate projects for Sponsor requirements
- REUs
- Workshop costs

Subcontract Costs

Some awards have more than one subcontract in which isolating subcontract costs will help a PI understand how much funding Princeton has, and how much each sub has.

- Separate PI and Subaward budget costs for easy expense management if have multiple subawards
- PIs want to easily see only their own available expenses

Subcontract Budgets

Budgets	SF424 Summary	History	Reviewers	Attachments	Financials	...	
Working Budgets							
Name	SmartForm	Date Modified	State	Funding Source	Total	In Financials?	
 Subcontracts	[Edit] ▾	2/20/2022 5:55 PM	Draft	Federal	\$1,833,000	yes	
 Lead PI Budget	[Edit] ▾	2/20/2022 5:53 PM	Draft	Federal	\$0	yes	
 Fabrication #2	[Edit] ▾	2/15/2022 3:06 PM	Draft	Federal	\$30,000	yes	
 Co-PI Budget	[Edit] ▾	2/14/2022 1:30 PM	Draft	Federal	\$240,100	yes	
 Fabrication #1	[Edit] ▾	2/14/2022 12:47 PM	Draft	Federal	\$9,000	yes	
5 items	◀ page <input type="text" value="1"/> of 1 ▶			<input type="text" value="10"/> / page			

Subcontract Budgets

Subcontracts

BU00003039 Project Budget

Sponsor:	NSF - National Science Foundation	Grand Total:	\$1,833,000
PI:	Courtney Kohut	Budget Type:	Federal
Funding Proposal:	CWO Testing Proposal	Subaward Count:	2

Financials

Subaward

Documents

Snapshots

History

Subaward

ID	Name	SmartForm	Date Created	▼ Date Modified	State	Include in Totals	Total
BU00003041	Rutgers University	[Edit] ▼	2/20/2022 5:59 PM	2/20/2022 6:00 PM	Draft	yes	\$762,000
BU00003040	Purdue University	[Edit] ▼	2/20/2022 5:56 PM	2/20/2022 5:58 PM	Draft	yes	\$1,040,000

2 items

◀ page 1 of 1 ▶

10 / page

Additional benefits of creating multiple budgets

- Awards are easier to administer
 - Each department can manage their own funds
 - Easy to see how much funding each PI has
- Projects will be setup at inception
 - Can track expenses as the award tasks progress
- Why do it at proposal stage? No budget distribution forms!
 - Save time at award setup – no back and forth, etc.
 - Some budgets are required for compliance reason, to be setup and costs separated.

Why not to add multiple budgets?

- For instances where separate projects are not required (unlike Participant Support costs and Fabrications), PI wishes to keep it simple
- One subaward so no need to separate costs
- No special reporting requirements by a Sponsor
- At proposal stage, may not know whether it would be beneficial to set up separate project(s)
- Prefer to provide a budget distribution spreadsheet once details are finalized if awarded
- Short turnaround time of proposal submission

NON-STANDARD BUDGET PERIODS

Kyle Burkhardt

Topics

- What formula does Huron use to calculate salary cost?
- What does that look like for:
 - 12 month budget periods
 - Non-12 month budget periods
- Effort Tool
- Person months calculation

Effort Tool is available to help

- Tool has been updated multiple times since Princeton ERA go-live
 - Variety of approaches to “make the math work”
 - Dec 2021: uses the Huron recommended method
 - Feb 2022: updated NIH cap
- Calculates the fields you should enter into Huron
- Works for all Huron cost calculations
 - 12 month budget periods
 - Less than 12 month budget periods
 - More than 12 month budget periods
- There are some downstream effects for person months

Future Good News

- Huron is planning for budgeting by person months for version 10.5
- Version 10.5 anticipated release Fall 2022
- Princeton would probably upgrade to 10.5 ~Spring/Summer 2023

Need help?

- Don't have to understand what Huron or the Effort Tool is doing
- Use the Effort Tool
 - You enter key values + the Effort Tool displays values to enter in Huron.
 - Tabs for screenshots of formulas from this presentation
- Plug and chug using the formulas presented today
- Get stuck? Email erasupport@princeton.edu
 - We're here to help you!

The formula

Huron Salary Cost Formula

$$\% \text{ Sal Req } \times \text{ Base Salary } \times \left(\frac{\# \text{ budget period months}}{12} \right) = \text{ Salary Cost}$$

Salary Cost Formula

$$\% \text{ Sal Req} \times \text{Base Salary} \times \left(\frac{\# \text{ budget period months}}{12} \right) = \text{Salary Cost}$$

- Includes the ratio of # budget period months divided by 12
 - AKA “The Ratio”
- 12 is the constant in this formula

12 month budget periods

12 month budget periods

$$\% \text{ Sal Req } \times \text{ Base Salary } \times \left(\frac{\# \text{ budget period months}}{12} \right) = \text{ Salary Cost}$$

$$\% \text{ Sal Req } \times \text{ Base Salary } \times \left(\frac{12}{12} \right) = \text{ Salary Cost}$$

$$\% \text{ Sal Req } \times \text{ Base Salary } \times 1 = \text{ Salary Cost}$$

$$\% \text{ Sal Req } \times \text{ Base Salary } = \text{ Salary Cost}$$

12 month budget periods:
person makes \$10k/month
budget 1 month

Formula: % Sal Req x Base Salary x 1 = Salary Cost

9 month appt type

9 month salary

$$\left(\frac{1}{9}\right) \times \$90K \times 1 = \$10K$$

$$11.11\% \times \$90K \times 1 = \$10K$$

12 month appt type

12 month salary

$$\left(\frac{1}{12}\right) \times \$120K \times 1 = \$10K$$

$$8.33\% \times \$120K \times 1 = \$10K$$

12 month budget periods

- Use the “PM 12 month budget periods” tab
- Example: Want to budget 1 month
- *Demo in the effort tool*

- Located in the tools tile:

<https://orpa.princeton.edu/resources/princetonera>

Non-12 month budget periods

~8% of all FPs have budget periods that are not 12 months

Salary Cost Formula

$$\% \text{ Sal Req} \times \text{Base Salary} \times \left(\frac{\# \text{ budget period months}}{12} \right) = \text{Salary Cost}$$

- Includes the ratio of # budget period months divided by 12
 - AKA “The Ratio”
- 12 is the only constant in this formula

Salary Cost Formula

$$\% \text{ Sal Req} \times \text{Base Salary} \times \left(\frac{\# \text{ budget period months}}{12} \right) = \text{Salary Cost}$$

- Why does the formula include The Ratio?
- Example:
 - 18 month budget period
 - Need to budget all 18 months of a person's salary
 - 12 month salary is \$100K
 - 100% is the maximum %Sal Req in Huron
 - $100\% \times \$100\text{K} \times (18/12) = \text{Salary Cost}$
 - $100\% \times \$100\text{K} \times 1.5 = \150K

Two guiding principles for non-12 month budget periods:

1. % Sal Req is a % of the budget period, not the appt type
2. The base salary must be annualized

➤ There are downstream side effects related to person months

1. % sal req is a % of the budget period, not the appt type

$$\left(\frac{\# \text{ person months budgeted}}{\# \text{ budget period months}} \right) \times 100 = \% \text{ Sal Req}$$

➤ Example:

- Want to budget 1 person month
- Budget period is 3 months
- Calculation is $1/3 \times 100 = 33.33\%$

2. The base salary must be annualized

$$\left(\frac{\text{Base salary amt}}{\text{\# of months in base salary}} \right) \times 12 = \text{annualized base salary}$$

➤ Example:

- 9 month base salary is \$90K
 - $(\$90K/9) \times 12 = \text{annualized base salary}$
 - $\$10K \times 12 = \$120K$
- The Ratio is the reason the base salary must be annualized because the constant in the ratio is 12.

To be more specific...

For non-12 month budget periods

$$\% \text{ Sal Req} \times \text{Base Salary} \times \left(\frac{\# \text{ budget period months}}{12} \right) = \text{Salary Cost}$$

$$\left(\frac{\# \text{ person months budgeted}}{\# \text{ budget period months}} \right) \times \text{Annualized Base Salary} \times \left(\frac{\# \text{ budget period months}}{12} \right) = \text{Salary Cost}$$

$$\left(\frac{\# \text{ person months budgeted}}{\# \text{ budget period months}} \right) \times \text{Annualized Base Salary} \times \left(\frac{\# \text{ budget period months}}{12} \right) = \text{Salary Cost}$$

$$\left(\frac{\# \text{ person months budgeted}}{\# \text{ budget period months}} \right) \times \left(\frac{\# \text{ budget period months}}{12} \right) \times \text{Annualized Base Salary} = \text{Salary Cost}$$

Budget period is less than 12 months

Example: 3 months

3 month budget period

$$\left(\frac{\# \text{ person months budgeted}}{\# \text{ budget period months}} \right) \times \left(\frac{\# \text{ budget period months}}{12} \right) \times \text{Annualized Base Salary} = \text{Salary Cost}$$

3 month budget period
9 month appt type
Salary is \$10k a month
Budgeting 1 month
Must use annualized salary
% Sal Req is a % of the budget period

$$\frac{1}{3} \times \frac{3}{12} \times \$120K = \text{Salary Cost}$$

$$33.33\% \times 0.25 \times \$120K = \$10K$$

3 month budget period

$$\left(\frac{\# \text{ person months budgeted}}{\# \text{ budget period months}} \right) \times \left(\frac{\# \text{ budget period months}}{12} \right) \times \text{Annualized Base Salary} = \text{Salary Cost}$$

3 month budget period
9 month appt type
Salary is \$10k a month
Budgeting 1 month
Must use annualized salary
% Sal Req is a % of the budget period

$$\frac{1}{3} \times \frac{3}{12} \times \$120K = \$10k$$

3 month budget period

- Use the “PM non-12 month budget periods” tab
- Example: Want to budget 1 month
- *Demo in the effort tool*

Budget period is more than 12 months
Example: 18 months

18 month budget period

$$\left(\frac{\# \text{ person months budgeted}}{\# \text{ budget period months}} \right) \times \left(\frac{\# \text{ budget period months}}{12} \right) \times \text{Annualized Base Salary} = \text{Salary Cost}$$

18 month budget period
9 month appt type
Salary is \$10k a month
Budgeting 1 month
Must use annualized salary
% Sal Req is a % of the budget period

$$\frac{1}{18} \times \frac{18}{12} \times \$120K = \text{salary cost}$$

$$5.55\% \times 1.5 \times \$120K = \$10K$$

18 month budget period

$$\left(\frac{\text{\# person months budgeted}}{\text{\# budget period months}} \right) \times \left(\frac{\text{\# budget period months}}{12} \right) \times \text{Annualized Base Salary} = \text{Salary Cost}$$

18 month budget period
9 month appt type
Salary is \$10k a month
Budgeting 1 month
Must use annualized salary
% Sal Req is a % of the budget period

$$\frac{1}{18} \times \frac{18}{12} \times \$120K = \$10K$$

18 month budget period

- Use the “PM non-12 month budget periods” tab
- Example: Want to budget 1 month
- *Demo in the effort tool*

Non-12 month budget periods: *downstream effects*

Number of Person Months Calculation

- **SF424:**

- % sal req **x** appointment type

- **IW pending section of C+P:**

- % effort **x** appointment type

- **The Ratio is NOT currently included in this calculation**

12 month budget periods: Budgeting 1 month

Formula: % sal req x appointment type
The Ratio is NOT currently included in this calculation

9 month appt type
9 month base salary

11.11% x 9 months = 1 month

$\left(\frac{1}{9}\right)$ x 9 months = 1 month

12 month appt type
12 month base salary

8.33% x 12 months = 1 month

$\left(\frac{1}{12}\right)$ x 12 months = 1 month

No downstream effects: Person months is correct.

Non-12 month budget periods: Budgeting 1 month

Formula: % sal req x appointment type
The Ratio is NOT currently included in this calculation

3 month budget period
Must use annualized salary
Must use 12 month appt type
Budgeting 1 month

$33.33\% \times 12 = \# \text{ person months}$

$1/3 \times 12 = 4 \text{ person months}$

18 month budget period
Must use annualized salary
Must use 12 month appt type
Budgeting 1 month

$5.55\% \times 12 = \# \text{ person months}$

$1/18 \times 12 = 0.66 \text{ person month}$

Downstream effects: Person months is incorrect.

Downstream effects of the Huron method For non-12 month budget periods

The SF424 will be wrong for person months

- Huron doesn't include The Ratio in the PM calc
- You can manually correct the SF424

If the person has a 9 month appt type, their SF424 base salary will be wrong

- It will display the annualized salary
- You can manually correct the SF424

After updates are made to the C&P calculation, the pending section of the C&P will have the correct person months for new proposals going forward

All proposals that had non-12 month budget periods from the past will continue to have the wrong person months on the pending section of the C&P, because we weren't using the Huron method.

Need help?

- Don't have to understand what Huron or the Effort Tool is doing
- Use the effort tool
 - You enter key values + the Tool displays values to enter in Huron.
 - Tabs for screenshots of formulas from this presentation
- Plug and chug using the formulas presented today
- Get stuck? Email erasupport@princeton.edu
 - We're here to help you!

