



Space Grant Fall National Conference

PRESENTED BY

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September 27, 2023

A photograph of the International Space Station (ISS) in space, with its large solar panel arrays extended. The station is set against a black background with some stars visible. The image is partially overlaid by a blue semi-transparent rectangle on the left side.

NASA STEM

Agenda



5th Year Extension

Multi-year & Costing

Reporting

Gateway

Badging

Internships

NASA Social

X-59 QueSST

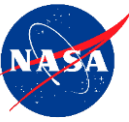


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5th Year Extension



Proposals

- Reviews are in work
- Finishing up review panel

Main issues noted:

- Missing required proposal components
 - Top of Section 2 (Proposal and Submission Guidance)
 - Table of Contents, Appendixes, etc.
 - Table formats provide and must be followed
 - Updates will be required for all of these
- Took note for any future clarifying text for next multi-year
 - If requirements not followed, proposals will be rejected and required to be updated



Plan below based on NO government shut-down

Notification letters:

- Red Letters – sent out by Friday, Oct 6th
 - Red Letter responses **from consortia due NLT Friday, Oct 20th**
- Green Letters – sent out by Friday, Oct 13th

REMINDER – submission of your APRs is required prior to NSSC releasing funds.

- APRs not submitted in a timely fashion will delay obligation of your funding



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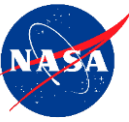


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Multi-Year Solicitation Conversation



Plan is to release the new multi-year solicitation in early March 2024 just after the spring conference.

Deadline for proposals (120 days) – early/mid June 2024

Planned to be a 4-year multi-year award

Requires an Independent Evaluator

Comprehensive Evaluation Plan

- CEP to be submitted within 45 days after the start of your PoP
- CEP Template will be provided very soon (in Oct)
- Will also be included as an appendix to next multi-year



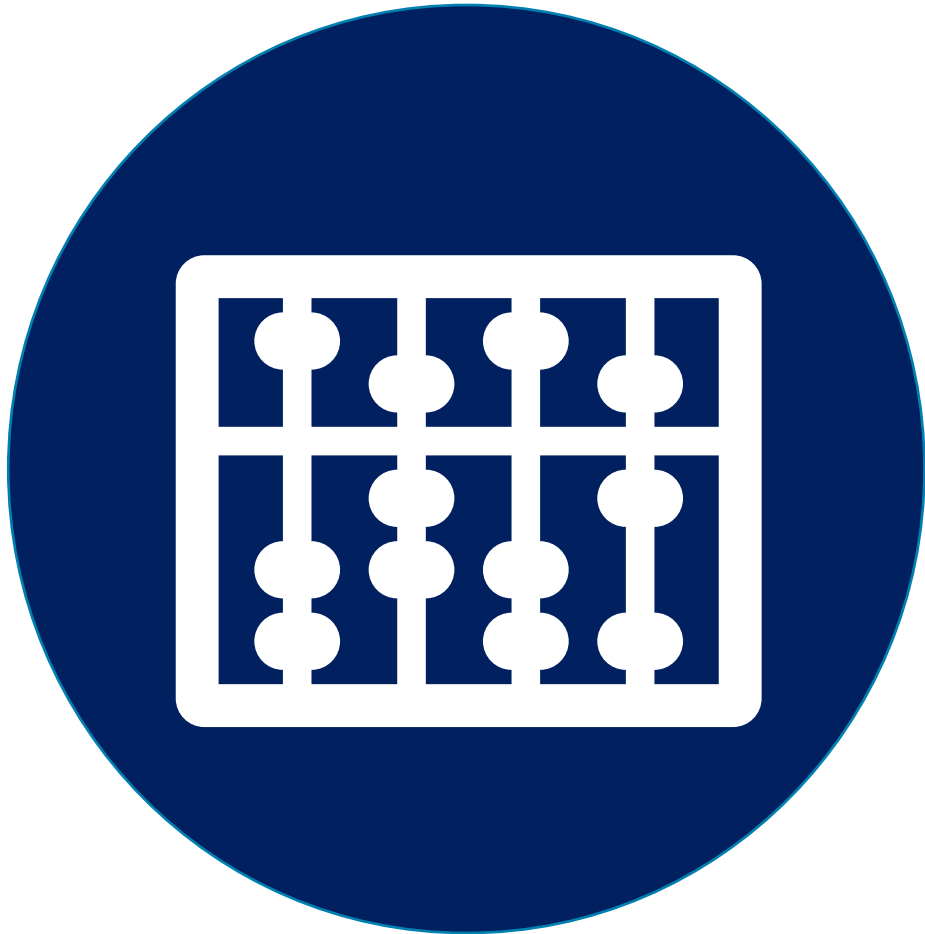
Multi-Year Solicitation Conversation



High Level Plan:

- Baseline funding level - TBD
 - Will depend heavily on next FY congressional funding level
 - Have been told to expect a number close to FY22 funding in FY25 (Year 1 of new multi-year)
 - Continue to watch congressional budget conversations





As previously mentioned, new multi-year costing analysis will be based on 12-13 month duration vs. July 31st

Deadline will be, end of the month of your PoP.

- Feb 15th PoP has until end of Feb
- April 1st PoP has until end of April
- June 28th PoP has until end of June

Is this exactly equitable – No

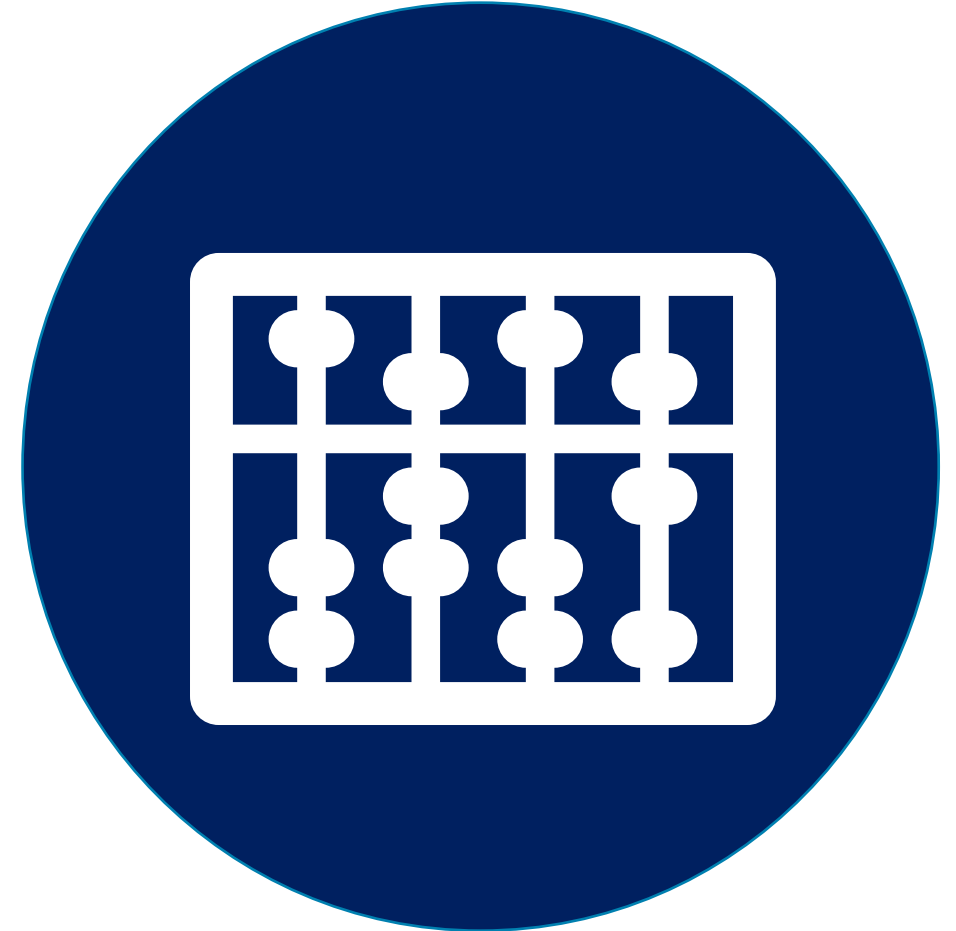


52 consortia have 27 different PoPs

- Not going to ask budget analyst to run analysis as of April 10th and then on April 15th and then April 23rd
- Most consortia would argue that their draw downs don't happen until the end of the month

Minimum for everyone is 12 months

- 3 consortia will get exactly 12 months
- 9 consortia will get 13 months because they have a PoP of the 1st of the month
- 40 consortia will land in-between

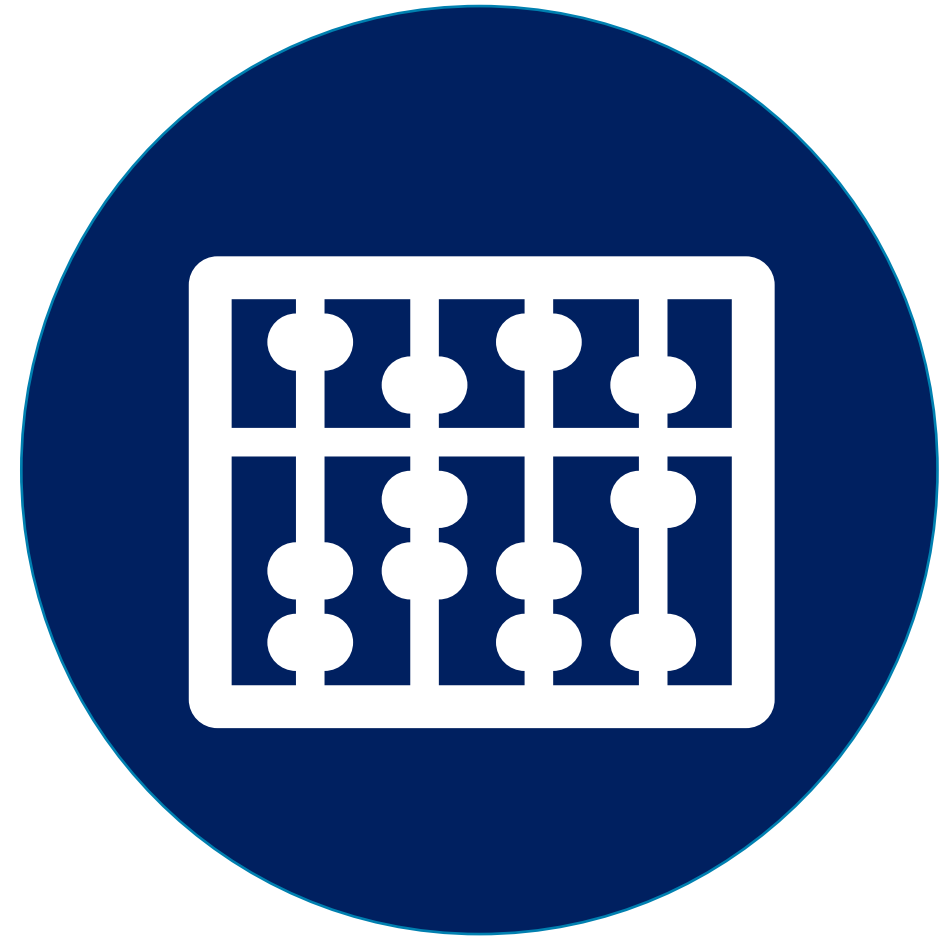


Reminder that prior year costed issues impact current and future years

- Like trying to increase your GPA after a bad Freshman year

Desire & plan is to redirect non-awarded augmentation funds back for benefit of all.

- NASA Social (future slides)
- X-59 Solicitation (future slides)
- New student challenge (trying to initiate a non-engr focused challenge)

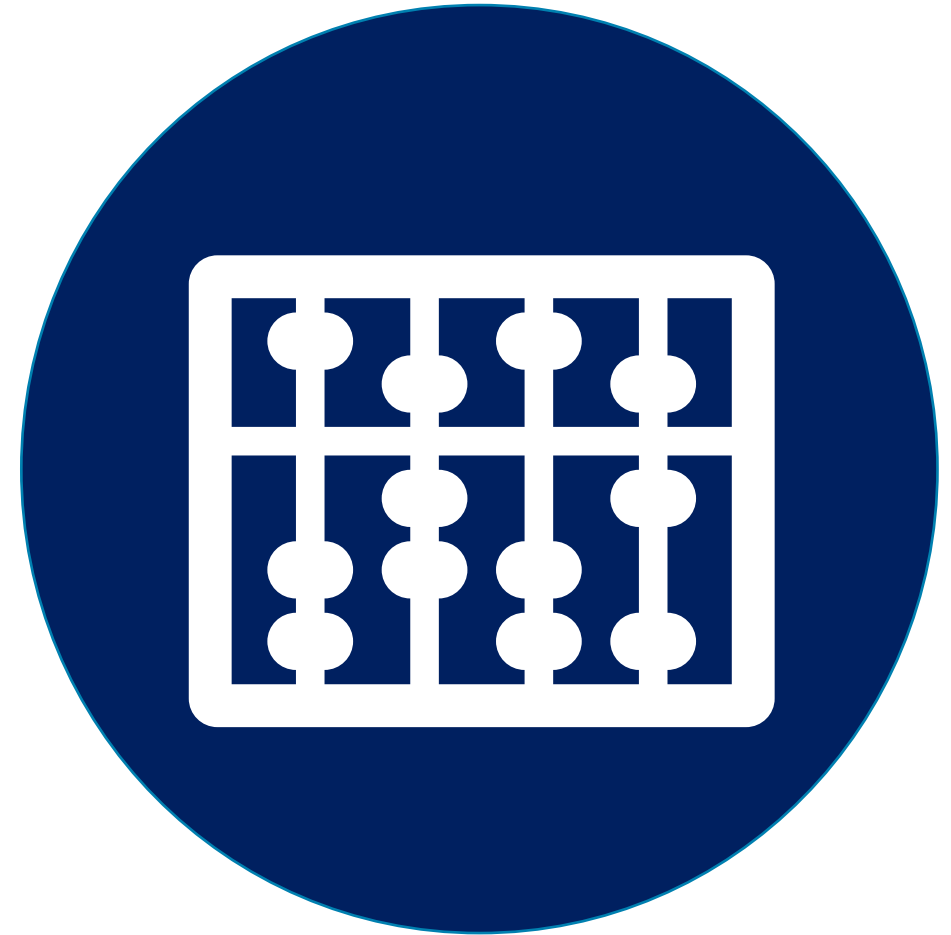


Concern to be noted...

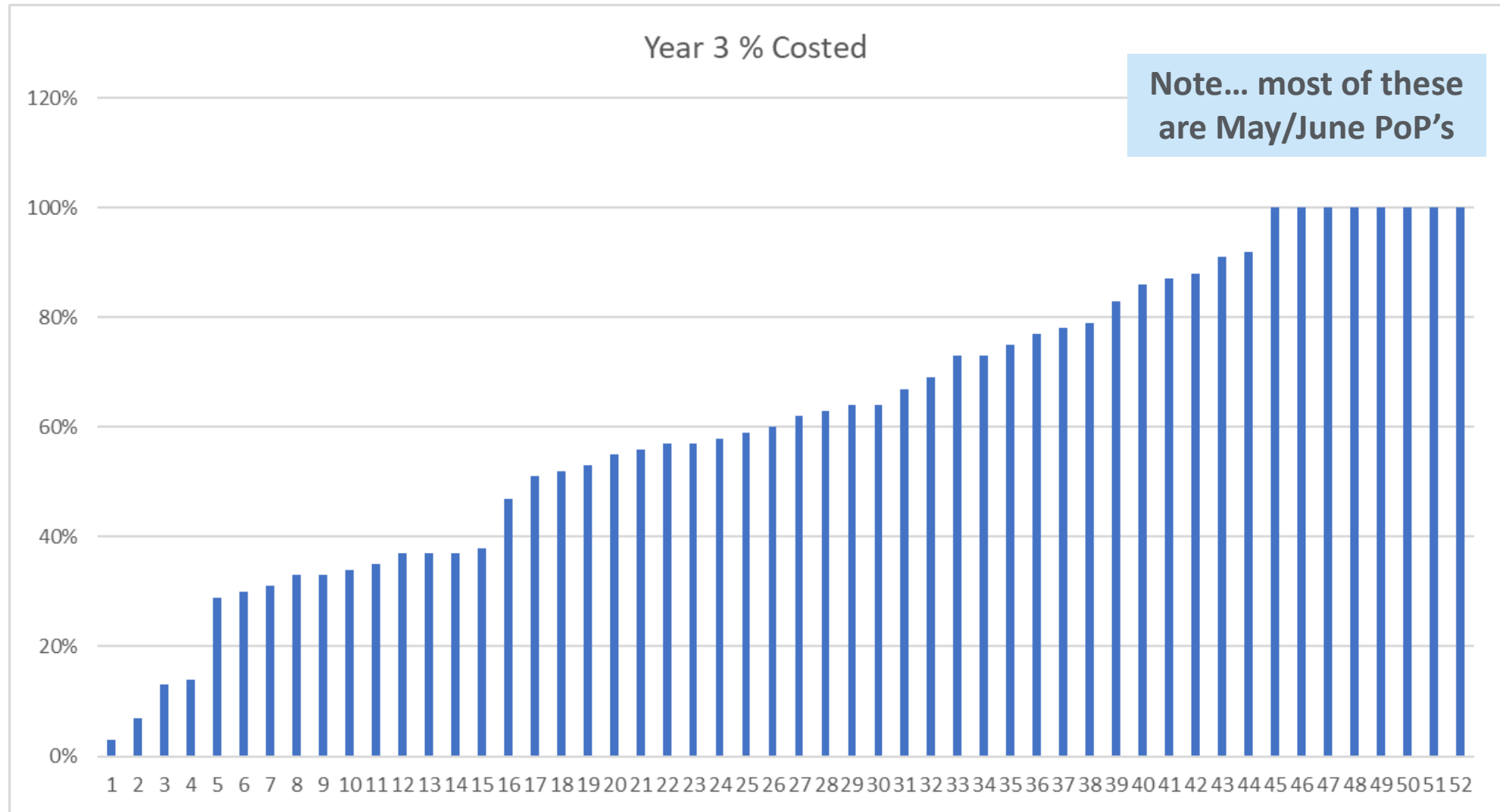
- As of July 1, 2023, all consortia began Year 4 of the current multi-year award
- As of end of Aug, only 8 consortia had costed 100% of Year 3 funds... allowing the start of costing Year 4 funds
 - Note: Of those 8 (who did cost 100%):
 - Four have a June PoP
 - One has a May PoP
 - One has an April PoP

5th Year will provide more funds

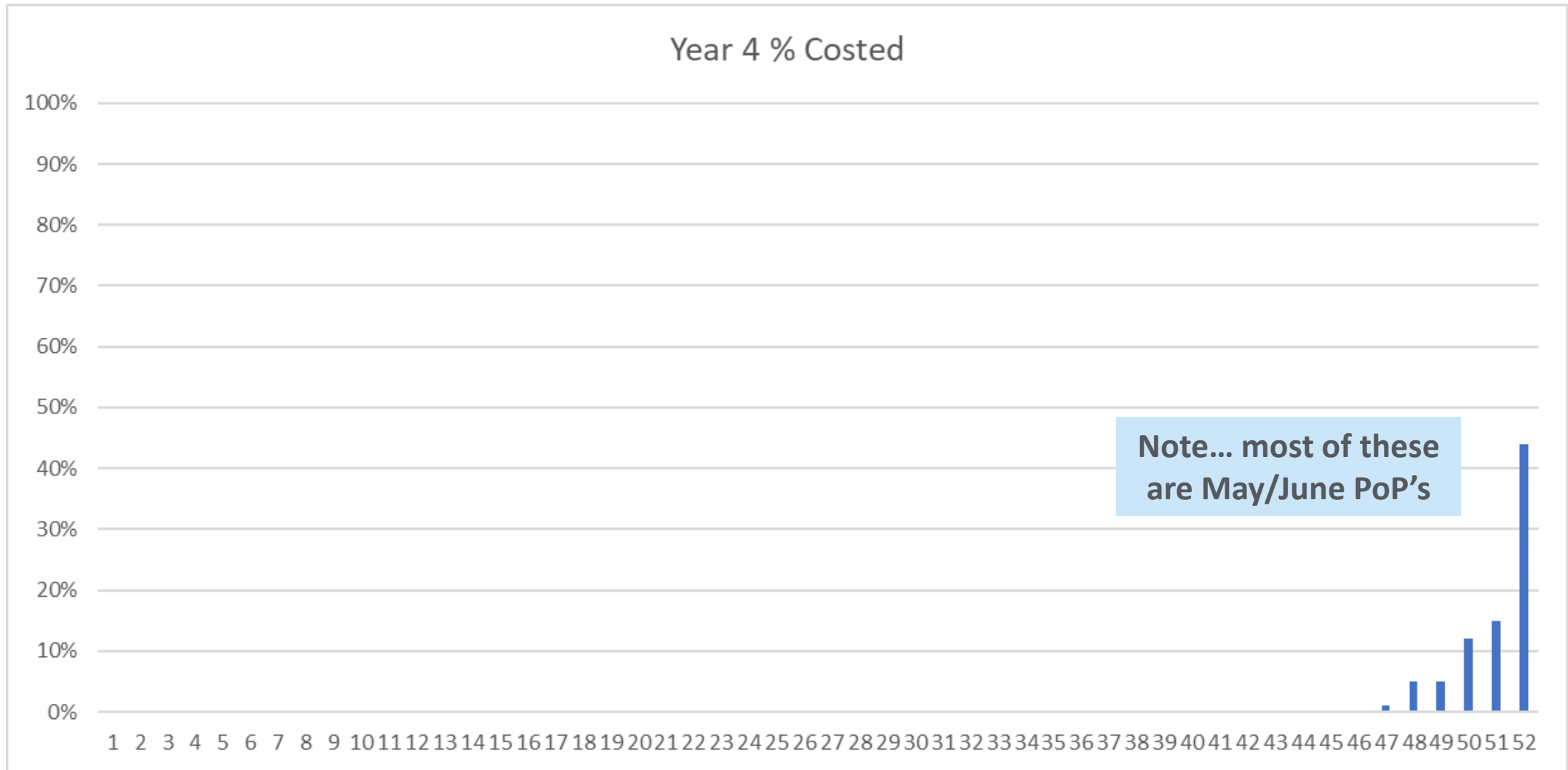
- Unless consortia begin to catch-up... at a minimum some will have around \$1.6 million dollars in funds to be costed



Costing – Year 3/FY22 % Costed (early Sept)



Costing – Year 4/FY23 % Costed (early Sept)



Some consortia are around 1.5 years behind schedule

- A 1-year NCE will not be enough

During 1st Year of new multi-year, some consortia will have:

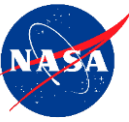
- Over 1 full year's worth of funds to award (\$860k+)... year 5 funding being spent during an NCE year
- Along with the new award (\$800k+)
- Will have ~\$1.6M of uncosted funds needing to be costed at the same time

If you can't cost \$800k in a year, will you be able to cost \$1.6M in one year across two simultaneous awards?

How will you ever catch up... if you are given the full base award amounts?



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Reporting - Prelim



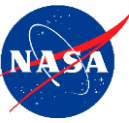
Prior Multi-Year Baseline Reporting	Updated - Current Multi-Year Baseline Reporting (2023)	Updated - Current Multi-Year Baseline Reporting (2024) - Prelim	New Multi-Year (2025+) Reporting - Prelim
Student Data Tables (+ Longitudinal Tracking)	Longitudinal Tracking only	Longitudinal Tracking only	Longitudinal Tracking (TBD)
Expenditures Summary Table	Deleted	Deleted	
Semi-annual reports (+ highlights)	Semi-annual reports (+ highlights)	Semi-annual report (2 questions and no highlights)	Semi-annual report (2 questions and no highlights)
Closeout Performance Report (CPR)	Gateway CPR w/ highlights	Gateway CPR w/ highlights	Gateway CPR w/ highlights
Annual Performance Report (APR)	APR (reduced to 3 questions)	APR/Final Report (TBD)	Final Report and then APR (1 question + IE Report) *
Site Visits (Once during life of award)	Site Visits (Once during life of award)	Site Visits (Once during life of award)	

* PI portion of the yearly APR has been much reduced to focus on IE report

Note: Comprehensive Evaluation Plan (CEP) is a 1-time requirement for the multi-year from your IE



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Gateway CPR Training Session completed on September 13th

- Session was recorded and available for review

First required use of Gateway (apart from Internships)

Gateway use will slowly continue to increase throughout multiple years



Current use requirement (beyond Internships):

- Nov 30th reporting (CPR) – 2023 and 2024
 - Back-end data - numbers only (reporting via PLO not required)

Preliminary implementation:

- New multi-year
 - Year 1 (2025) – Requirement: CPR (Nov 30th) including full PLO
 - Still only back-end data, but requires all awarded participants to complete a profile
 - Year 2 (2026) – Requirement: All applicant profiles in Gateway, plus back-end data (see next slides)
 - Year 3 (2027) – Requirement: Same as year 2
 - Year 4 (2028) – Requirement: Same as year 2



Years 2 thru 4 – Requirement: All applicant profiles in Gateway, plus back-end data

“Sign-Up Only” Option in Gateway

- Consortium
 - Create parallel opportunities in Gateway
- Participant
 - Create new profile in Gateway or use existing profile
 - Link profile to desired opportunity for which they are applying
 - No application questions, only creation of a profile

“Sign-Up Only” does NOT require applications, reviews, selections, essays, transcripts, etc.

- All these items are completed outside of Gateway as they are done now

Does require an offer letter to be submitted through Gateway (similar to Internships)

- Can be completed in a bulk email fashion
- Student will be required to accept the offer



This is different from the Internships process

No “mentors” are reviewing applications through Gateway... therefore,

- No transcripts in Gateway
- No resume in Gateway
- No essays in Gateway
- Only basic student profile

Students are not applying twice...

- Creating a Gateway profile (or linking an existing profile), is a step when applying to your opportunity.



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Badging Replacements & Renewals



All except 4 consortia have 2 badged personnel

Reminder that each consortium can currently only have 2 badges/licenses

- Have had 2 returned and swapped badges
- Process has worked well
- Memo on swapping process created and distributed

Some of you have expiring badges in spring/summer 2024

- You were supposed to be provided 3-year badges
- Marlynne will assist you in virtual renewal – physical trip should not be necessary
- Plan is to get everyone on the 3-year cycle

Renewals cannot be done more than 90 days prior to expiration



Do not ignore the SATERN training reminders for annual Cyber Security Training

Will be receiving OCIO announcement due to badging

- Most of these will not pertain to you but read before discarding.



Badging Replacements & Renewals



From: Identity.Manager@nasa.gov <Identity.Manager@nasa.gov>

Sent:

Subject: [IdMAX] A Desktop Login request was completed for **Your Name Here**

Please contact the Enterprise Service Desk (ESD) by phone at 877-677-2123, option 2 to have the assigned User ID and password activated. If needed, ESD will help set up the security questions and answers at that time.

If you have questions or concerns regarding this request, please contact the Enterprise Service Desk (ESD) by phone at 877-677-2123, option 2 or by visiting the ESD website at <https://esd.nasa.gov/esdportal>, and reference the following Request Number: Bulk-008506067.

This is an automatic system notification. Please do not reply to it.

NASA internal links are secure and accessible through VPN or NDC credentials.



The password you use for NASA system access (i.e., domain password known as an NDC or Account Password) must be updated every 60 days.

You will receive the autogenerated message above and follow the instructions



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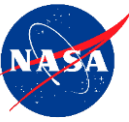


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Internships



We have struggled to receive prompt replies from mentors and consortia

- Many consortia never reply to Valerie's requests asking if they will support... for a Yes/No
- Need replies from consortia so time and effort is not wasted

Flow... Round 1 (Highest Priority Requests)

- Mentors given deadline to provide list of requests
- List is sent to consortia via Valerie
- Consortia have 10 days to review list, select which of the students they want to support, and reply to Valerie
- Valerie creates offer letters and submits to students
- Students can: accept, reject, or do nothing and the offer "times-out" (7 calendar days)

If students reject, offer times-out, or is not selected for support by a consortium... mentors are still looking for students

- Might lead to additional requests for more students to be supported
- These offers would come weeks later (3+ weeks later)



Round 2 (Less-High Priority Requests)

- Repeat the process
- You may receive additional requests if a mentor's first choice was not picked-up or rejected the offer
- Welcome to support the student if you still have additional funds (i.e. had enough funds for 3 interns and only received 2 requests for support originally)

Note:

- When you receive your list of requests, don't wait for more... assume that is it and respond

By not getting replies we are hurting students, consortia, and mentors



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Program to provide opportunities for NASA's social media followers to learn and share information about NASA's missions, people, and programs.

- <https://www.nasa.gov/connect/social/index.html>

Students are provided with behind-the-scenes tours, talks by experts, etc.

Intent is for them to promote and help spread the word on NASA activities via their social accounts.

Events are typically connected with some larger NASA event

- Launch
- Crew announcement
- Vehicle stacking
- Etc.



Space Grant was approached to see if we could somehow collaborate with NASA Social team and the consortia.

Historically, each event is around 30-40 participants

Students would apply through NASA Social team application

- Social media accounts must be provided
- Team vets, reviews, digs into all applicant's history of social media postings
- So far, no issues



Historically, those selected had to cover their own expenses except for the day-of

- Group is picked up by a NASA bus, badges, and escorted throughout the activity
- All other costs were covered by the participant (flight, hotel, food, transportation, etc.)

We believe this severely impacts who might be able to participate

If we do this... we would like to support the participants as much as possible (almost no out of pocket expense)

As a Test Bed... Goal would be to support 1 student from each consortium to attend an event/s (52 total participants)

- May have to split into 2 groups/events throughout a year to support all 52 student.



Direct stipend is not equitable due to unknown location of event and unknown origin of participant

- \$1.5k stipend for a student from AK to an activity at KSC is not enough
- \$1.5k stipend for a student from GA to an activity at KSC is probably excessive

Current thought

- NASA Social team will make selection of participants (goal of 2 per consortium)
 - Participants must be available for any 1 of 2 events/dates across a year
 - Might be flexibility in this - TBD
- NASA Social team selects which participants attend which events
- Space Grant HQ pays for flights and lodging for the participants
 - Also, a last-minute stipend provided to support food and transportation (Uber/Lyft)



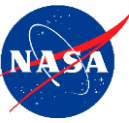
Transfer of funds is the most complex aspect

- Leading idea (not final) is to award to a single consortium
 - They may sub-contract to the Space Grant Foundation or do the work themselves
 - Would only be used to act as a “travel agent” to coordinate travel, lodging, and stipends
 - No student selection authority
 - All participant selection performed by NASA Social team

Still open questions and work



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X-59 QueSST



QueSST Goals

- Design and build an aircraft (X-59) that reduces the sonic boom to a gentle thump to people on the ground
- Fly the X-59 over several communities to gather data on human responses to the sound of the supersonic flights

Solicitation is being released (in collaboration with ARMD)

Details

- Requesting white paper outlining “standard” plan to assist consortia in implementing activities around an X-59 flight over their state
- Proposal’s main body only expected be around 2-5 pages long
- Not looking for the answer in the proposal



X-59 QueSST



Plan is to select up to 4 awardees to be supported toward their development of implementation plans

- Each award up to \$40k

Potential follow-up award to consolidate the 4 plans into a single “on-the-shelf” plan

ARMD planned to have X-59 start flights in early 2025

HQ would like to support the consortia which are being “flown-over”

- How? – hence the solicitations



X-59 QueSST



Solution will most likely include funding support

- May end up in a similar scenario to NASA Social

QueSST Team estimated to provide flight locations around 6 months prior to event

- Cannot support standard process, solicitation, proposal, awarding, obligation, etc. in that timeline
- Funds might be awarded after the event concluded

Potential solution

- Single lead consortium use to help distribute/sub-award the funds
 - NOTE: Lead may not even get a fly-over



