



Alliance Update Transition Meeting 2020

July 22, 2020

Agenda

- Alliance Charter / Board John
- 2019-2020 Highlights John
- Treasurer's Report Scott
- Secretary's Report Jaydeep
- Federal Update Leslee Gilbert (VSA)
- TIG Activities Joe Danek / Tom Devlin (TIG)
- Upcoming Activities John

Alliance Charter*

- The Alliance is organized and operated to **expand and enhance the capacity of the United States of America** to carry out education, research, and public outreach activities in STEM
- Increase the **financial and governmental support** available to its membership for education, research, and public outreach activities in STEM and additional fields, related to space, aeronautics, and Earth system science.
- Seek to **develop mutually beneficial relationships** among private sector organizations, government agencies, colleges and universities, and the Alliance's membership.
- Seek to **influence the activities** of the local, state, and federal governments on behalf of the Alliance's membership, and

* Summary of the Bylaws of the National Space Grant Alliance

2020 Alliance Team

Alliance Board

John Kosmatka (CA), Chair *

Dale Thomas (AL), Vice Chair

Scott Tarry (NE), Treasurer

Jaydeep Mukherjee (FL), Secretary

Toni Galvin (NH) *

Greg Guzik (LA)

Chris Koehler (CO)

Shawna McBride (WY)

Cass Runyon (SC)

Mary Sandy (VA) *

Tim Urban (TX)

Robert Winglee (WA) *

* Term expires in 2020

Consulting Team - The Implementation Group (TIG)

Joseph Danek, Senior Vice President and COO

Tom Devlin, Program Manager

Madelyn Roeder, Director of Projects

Consulting Team - Van Scoyoc Associates (VSA)

Leslee Gilbert, Vice President

Laurie Katz, Director of Government Relations

Non-Voting Member

Luke Flynn (HI)

2019-2020 Highlights

2019

- Work with Congress on program continuation (from zero to full restore)
- Focus on development of NASA re-Authorization language (85/10/5)
- Funding increase to \$44M with 5% admin fees (Ask was \$48M)
- Base funding restored to \$760K
- Multi-year (4-year awards)
- Excellent communications with NASA OSTEM



Inspiring the next generation STEM workforce 2019

REQUEST FOR FY 2020 APPROPRIATIONS
Report Language — "The recommendation provides \$120 million for NASA's Office of STEM Engagement, of which no less than \$50 million shall be allocated to the National Space Grant College and Fellowship Program. The Committee allocates no more than 10% to an administrative fee for each program in the NASA STEM Opportunities account. The Space Grant balance of no less than \$45 million shall be allocated annually to jurisdiction consortia as base funding so that they may competitively distribute the funds to meet local, regional, and national needs."

SPACE GRANT HIGHLIGHTS
Space Grant, established in 1989, is a competitive, highly effective national partnership program responsive to NASA-aligned regional and national priorities.
Space Grant is administered by consortia in 52 jurisdictions—all 50 states, plus PR and DC. Consortia serve as catalysts in each jurisdiction to help grow the future STEM workforce and to meet needs for existing and new STEM-related jobs.
Space Grant initiatives include STEM programs with experiential learning (i.e., apprenticeships, internships, industry partnerships, and other hands-on experiences). Examples of experiential learning include: launch vehicle and payload development, engineering, and assembly; personal and commercial space flight operations; space science and engineering; UAV operations; remote sensing; aircraft maintenance; cybersecurity; and space flight design.
Space Grant is leveraging partnerships across state consortia and with NASA to graduate over 80% of student participants and to build a diverse STEM workforce in academia, industry/business, and government.

JUSTIFICATION
The requested \$50 million would:

- **Strengthen and promote our national network** of state-based systems in partnership with NASA, committed to developing and sustaining a diverse well-prepared STEM workforce.
- **Improve student accessibility** to an expanded range of STEM-based experiential learning opportunities, STEM researchers and faculty mentors.
- **Broaden, extend, and accelerate participation** of underrepresented minorities and women in STEM-based academic fields and careers.
- **Advance the nation's STEM education & workforce pipeline** to further the progress of science and create knowledge that transforms the future and sustains our global leadership.



The NATIONAL SPACE GRANT ALLIANCE exists to enhance the capacity of the United States of America to carry out education, research, and public outreach activities in science, technology, engineering, and mathematics (STEM) disciplines, particularly in fields related to space, aeronautics, and earth system science.

The implementation of the program is based on the following principles:
 Education ▲ Research ▲ Technology

2019 Budget Breakdown

Space Grant Allocation \$44.0M

Expenses:

	Description	base	admin	projects
\$35.5 M	Base Funding (Alliance Survey) – Average: \$683K/state	80.7 %		
\$5.4 M	OSTEM Management Fee (estimate)		12.3 %	
\$1.5 M	NIFS Program - (SG Foundation)			7 %
\$1.6 M	Other - (\$1M USIP Launches, \$1M Big Idea Challenge)			

Note: If all states requested \$760K, then total base funding is \$39.5M

89.8 %

2019-2020 Highlights

2020 (to date)

- Broad support for Space Grant from Congress (program growth)
- Focus on development of NASA re-Authorization language (85/10/5)
- Dear Colleague Letter (Wexton/Peters) – 107 signatures (bipartisan)
- Increase to \$48M with 5% admin fee
- Special Programs (Artemis I), \$1.2M/year (\$0.6M SG + \$0.6M MD)









2021 (looking forward)

- Base funding increased to \$770K
- House appropriations recommends \$50M with 5% admin fee
- Senate appropriations (August)

Inspiring and preparing the next generation STEM workforce			
SPACE WORKFORCE CRISIS			
18 th , 37 th	U.S. ranking in science and math for 15-year old students among 78 countries.		
30 th	U.S. ranking among 33 OECD countries in engineering as percentage of degrees awarded.		
374,000	U.S. space scientist, engineer, technician, and STEM higher educator job openings predicted by 2028, including 31,000 scientists and 187,000 engineers.		
>\$25B	Invested in commercial ventures of over 500 unique space firms, and accelerating in recent years.		
>4,000	Open jobs across more than 190 companies in space industry, featured on Space Talent website.		
SPACE GRANT STUDENTS		SPACE GRANT PARTICIPANTS	
>5,100	COLLEGE STUDENTS received Space Grant funding	>1,000	AFFILIATES and COLLABORATORS
88%	Space Grant COLLEGE STUDENTS remain in STEM fields	52	CONSORTIA in all 50 states, DC, and PR, plus partnerships with Guam and USVI
OUTREACH		DIVERSITY	
>42,000	EDUCATORS ENGAGED	24%	UNDERREPRESENTED PARTICIPANTS
>434,000	PRECOLLEGE STUDENTS REACHED	43%	FEMALE PARTICIPANTS

References at: <https://spacegrantalliance.org/>

A few notable Space Grant alumni

	Jessica Watkins, Ph.D., Geology Astronaut in Training, NASA Career Fields: Aeronautics, Geomorphology		Michael Smayda, Ph.D., Aerospace Engineering Founder, Hermes Aviation & Aerospace Career Field: Hypersonic aircraft aerodynamics
	Michelle Larson, Ph.D., Physics President & CEO, Adler Planetarium Career Field: Public engagement in science		Jessica Meir, Ph.D., Marine Biology Astronaut, NASA Career Fields: Aeronautics, Aquanautics
	Nathanael Miller, M.S., Mechanical Engineering Chief Technology Officer, Tomic Limited Career Field: Aerospace engineering		Jason Dunn, M.S., Aerospace Engineering Co-Founder, Made in Space Inc. Career Field: Commercial space manufacturing
	Twyman Clements, M.S., Mechanical Engineering Co-Founder & CEO, Space Tango Career Field: Space technology		Angela Des Jardins, Ph.D., Physics Chair, National Space Grant Council Career Fields: Higher education, Astrophysics

Student internships and career placements



Congress of the United States Washington, DC 20515 March 13, 2020

The Honorable José Serrano
Chairman
House Appropriations Subcommittee on
Commerce, Justice and Science
H-307 Capitol
Washington, DC 20510

The Honorable Robert Aderholt
Ranking Member
House Appropriations Subcommittee on
Commerce, Justice and Science
1016 Longworth House Office Building
Washington, DC 20510

Dear Chairman Serrano and Ranking Member Aderholt:

We are writing to request that you support the NASA National Space Grant College and Fellowship Program (Space Grant) in Fiscal Year 2021 at the rate of \$52 million.

Space Grant is a competitive, state-federal partnership that functions through consortia in all 50 states, Puerto Rico, Guam, the Virgin Islands, and the District of Columbia. The program enables students to engage in outreach activities and research projects that prepare them for STEM careers. As this is a state-based program, we urge the Committee to ensure that the entire appropriated amount, less a 10% administration fee and 5% special projects set aside, be allocated to consortia-lead institutions in all 52 jurisdictions so that these activities can continue without interruption. Such an approach is consistent with the FY2020 Congressional direction for the program.

Space Grant consortia are effective catalysts in each state to help grow a high-tech workforce. With over 1,000 partner institutions, this program promotes aerospace and other NASA relevant STEM education activities, and helps sustain a pipeline of students for innovative, high-tech jobs. For every dollar that NASA provides, Space Grant consortia contribute on average an equal or greater amount from non-federal sources to maximize resources available to students in their states. Because this is a federal-state partnership, the Space Grant program not only addresses national needs, but has proven to be very effective at fulfilling state and regional STEM goals—NASA program data shows that, of all participating students graduating in a particular year, over 90% move on to either a STEM job in industry, NASA, academia, or they enroll in a STEM graduate program.

As you work to advance the Fiscal Year 2021 Commerce, Justice, and Science bill, please keep this important program in mind. It is vital that we sustain the excellent work being done in the states by continuing to support this program.

Sincerely,


Jennifer Wexton
Member of Congress


Scott H. Peters
Member of Congress

107 signatures


Implementation Group, Inc.
Education • Research • Technology


VAN SCOYOC
ASSOCIATES

2020 Budget Breakdown

Space Grant Allocation \$48.0M*

Expenses:

	Description	base	admin	evaluation	projects
		79.4 %	11.3 %	2.1 %	7 %
\$38.1 M	Base Funding (Alliance Survey) – Average: \$727K/state				
\$5.4 M	OSTEM Management Fee (estimate)				
\$1.0 M	Program Evaluation (year 1)				
\$ 0.6 M	Artemis Student Challenge (\$1.2M/year for 2 years)				
\$2.9 M	Other - (Big Idea Challenge, special projects)				

- Note: (1) first 3 months at \$44M CR (= \$11M or \$3.7M/month)
final 9 months at \$48M (= \$37M or \$4.1M/month).
- (2) If all states requested \$760K, then base funding is \$39.8M
- (3) If all states received \$770K, then base funding is \$40.3M

83 %

84 %

Treasurer's Report

Scott (TBD)

Secretary's Report

May 21st Telecon Minutes

- Secretary's Report (Jaydeep)
- Treasurer's Report (Scott)
- Washington Update (VSA, Leslee)
 - ❑ Congress Activities
- TIG Summary of Efforts (State Activities, Prospective SG Survey)
- ExComm Call with OSTEM Results (Angela and Luke)
- New Business
 - ❑ Space Grant Summer Programs, NASA Summer Internships
- Open Discussion

Secretary's Report

June 18th Telecon Minutes

- Secretary's Report (Jaydeep)
- Treasurer's Report (Scott)
- Washington Update (VSA)
 - ❑ Congress Activities – Appropriations and Authorization process
- TIG Summary of Efforts (SG Survey in Program funds expended)
- Open Discussion

Secretary's Report

- Alliance website: <https://spacegrantalliance.org/>
- Login information
 - username: **nsgamember**
 - password: **sg250m** (the 0 is a zero as in \$250)
- File Archive (will be updated next week)
 - ☐ NSGA Infographic_FY20
 - ☐ Wexton and Peters letter to support SG at \$52M for FY21
 - ☐ fy2021_agency_fact_sheet (Budget)
 - ☐ fy2021_summary_budget_brief
 - ☐ fy2021_mission directorates_fact_sheets

Federal Update

- Appropriations

	FY18	FY19 PBR	FY19	FY20 PBR	FY20	FY21 PBR	FY21 House
Office of Education/STEM Engagement	\$100 M	Not funded	\$110 M	Not funded	\$123 M	Not funded	\$126 M
Space Grant	\$ 40 M	Not funded	\$ 44 M	Not funded	\$48 M	Not Funded	\$50M

- Authorization
 - Status of House and Senate NASA Reauthorization bills
- Outlook for the Fall
 - Continuing Resolution
 - Election/Omnibus Package

Update on VSA Activities (July 2019-July 2020)

Supported the Space Grant Alliance with the Following Advocacy Activities:

- **Appropriations Bills (FY20 and FY21)**

- Monitored FY20 House and Senate CJS drafts.
- Communicated with House and Senate Committee Staff and Congressional Champions on final FY20 omnibus language
- Communicated on a monthly basis (6 calls in 2019, 7 calls in 2020) to the Alliance with Congressional FY20 and FY21 updates
- Drafted updates (3 in 2019, 4 in 2020) for the Alliance to send to Space Grant Directors
- Drafted FY21 Appropriations request for Congress
- Drafted FY21 Advocacy documents for Directors to take to Congress (forms and letters)
- Worked with TIG on Hill day materials and keeping the web portal updated
- Advised Directors on FY21 Advocacy strategies for the annual Fly-In
- Prepared contact lists of Members and their staff for Directors for the Fly-in
- Followed up with Congressional offices if Directors requested
- Drafted 12 Congressional forms on behalf of Directors to send to their Delegations
- Drafted a House Dear Colleague letter for Rep. Wexton's office
- Tracked signatories on the Dear Colleague letter for the Alliance; reordered by state and party at the Alliance's request

Redline of National Space Grant College and Fellowship Program

<p>CHAPTER 403.—NATIONAL SPACE GRANT COLLEGE AND FELLOWSHIP PROGRAM</p> <p>§40301. Purpose</p> <p>The purposes of this chapter are to—</p> <p>(1) increase the understanding, assessment, development, and utilization of space resources by promoting a strong educational base, responsive research and training activities, and broad and prompt dissemination of knowledge and techniques;</p> <p>(2) utilize the abilities and talents of the universities of the Nation to support and contribute to the exploration and development of the resources and opportunities afforded by the space environment;</p> <p>(3) encourage and support, within the university community of the Nation, the existence of interdisciplinary and multidisciplinary programs of space research that—</p> <p>(A) engage in integrated activities of training, research, and public service;</p> <p>(B) have cooperative programs with industry; and</p> <p>(C) are coordinated with the overall program of the Administration; and</p> <p>(D) promote equally the state and regional STEM interests of each consortia</p> <p>(4) encourage and support the existence of consortia, made-up comprised of members of universities and industry-members in each state, and other entities such as 2-year colleges, science learning centers, industries, government entities, and museums in order to advance the exploration and development of space resources in cases in which national objectives can be better fulfilled through such consortia than through the programs of single universities;</p> <p>(5) encourage and support Federal funding for graduate fellowships in fields related to space; and</p> <p>(6) support activities in colleges and universities generally for the purpose of creating and operating a network of institutional programs that will enhance achievements resulting from efforts under this chapter.</p> <p>§40302. Definitions</p>	<p>In this chapter:</p> <p>(1) Aeronautical and space activities.—The term "aeronautical and space activities" has the meaning given the term in section 20105 of this title.</p> <p>(2) Field related to space.—The term "field related to space" means any academic discipline or field of study (including the physical, natural, and biological sciences, and engineering, space technology, education, economics, sociology, communications, planning, law, international affairs, and public administration) which is concerned with or likely to improve the understanding, assessment, development, and utilization of space.</p> <p>(3) Lead Institution. The term "lead institution" means an entity in a State that—</p> <p>(A) was designated by the Administrator under section 40306, as in effect on the day before the enactment of the 21st Century Space Grant Modernization Act of 2019; or</p> <p>(B) is designated by the Administrator under section 40303(d)(3).</p> <p>(4) Panel.—The term "panel" means the space grant review panel established pursuant to section 40306 of this title.</p> <p>(5) Person.—The term "person" means any individual, any public or private corporation, partnership, or other association or entity (including any space grant college, space grant regional consortium, institution of higher education, institute, or laboratory lead institution, space grant consortium), or any State, political subdivision of a State, or agency or officer of a State or political subdivision of a State.</p> <p>(6) Space environment.—The term "space environment" means the environment beyond the sensible atmosphere of the Earth.</p> <p>(7) Space grant college.—The term "space grant college" means any public or private institution of higher education which is designated as such by the Administrator as a grant recipient and lead institution to manage its Space Grant Consortium pursuant to section 40306 of this title.</p> <p>(8) Space grant program.—The term "space grant program" means any program that—</p> <p>(A) is administered by any space grant college, space grant regional consortium, institution of higher education, institute, laboratory, or State or local agency; and</p> <p>(B) includes 2 or more projects involving education and one or more of the following activities in the fields related to space:</p> <p>(i) Research.</p> <p>(ii) indirect general and administrative costs of centers and facilities of the Administration; and</p> <p>(iii) indirect general and administrative costs of the Administration headquarters.</p> <p>(3) Special Opportunities.—Of the funds made available under section 40306 each fiscal year for the national space grant college and fellowship program, the Administrator shall allocate not more than 5 percent to the lead institutions of space grant consortia established as of the date of the enactment of the 21st Century Space Grant Modernization Act of 2019 for grants to carry out special programs to further science and education relating to the missions of the Administration and STEM disciplines.</p> <p>(4) Terms and Conditions.—</p> <p>(1) In general.—Any grant made, or contract entered into, under this section shall be subject to the limitations and provisions set forth in paragraph (2) and (3) and to such other terms, conditions, and requirements as the Administrator considers necessary or appropriate.</p> <p>(1) Limitations.—No payment under any grant or contract under this section may be applied to amounts made available through a grant under this section may not be applied to—</p> <p>(A) the purchase of any land;</p> <p>(B) the purchase, construction, preservation, or repair of any building; or</p> <p>(C) the purchase or construction of any launch facility or launch vehicle.</p> <p>(2) Leases.—Notwithstanding paragraph (1), land, buildings, launch facilities, and launch vehicles may be leased under a grant on written approval by the Administrator.</p> <p>the items in subparagraphs (A-1), (B-2), and (C-2) of such paragraph may be leased upon written approval of the Administrator.</p> <p>(3) Records.—</p> <p>(A) In general.—Any person that receives or utilizes any proceeds of any grant or contract under this section shall keep such records as the Administrator shall by regulation prescribe as being necessary and appropriate to facilitate effective audit and evaluation, including records which fully disclose the amount and disposition by such recipient of such proceeds, the total cost of the program or project in connection with which such proceeds were used, and the amount, if any, of such cost which was provided through other sources.</p> <p>(B) Maintenance of Records.—Such records shall be maintained for 2 years after the completion of such a program or project. Records under subparagraph (A) shall be maintained for not less than 3 years after the date of completion of such a</p>	<p>(6) Advisory services.</p> <p>(7) Space grant regional consortium.—The term "space grant regional consortium" means any association or other alliance that is designated as a space grant regional consortium by the Administrator pursuant to section 40306 of this title.</p> <p>(8) Space Grant Consortium.—The term "space grant consortium" means a State-wide group, led by a lead institution, that has established partnerships with other academic institutions, industries, science learning centers, museums, and government entities to promote a strong educational base in the space and aeronautical sciences.</p> <p>(9) Space resources.—The term "space resource" means any tangible or intangible benefit which can be realized only from—</p> <p>(A) aeronautical and space activities; or</p> <p>(B) advancements in any field related to space and aeronautics.</p> <p>(10) STEM.—The term "STEM" means science, technology, engineering, and mathematics.</p> <p>(11) State.—The term "State" means any of the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and the United States territories (the Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands) or any other territory or possession of the United States.</p> <p>§40303. National space grant college and fellowship program</p> <p>(a) Establishment.—The Administrator shall establish and maintain, within the Administration, a program to be known as the national space grant college and fellowship program. The national space grant college and fellowship program shall consist of the financial assistance and other activities provided for in this chapter. The Administrator shall establish long-range planning guidelines and priorities, and adequately evaluate the program.</p> <p>(b) Functions.—Within the Administration, the program shall—</p> <p>(1) apply the long-range planning guidelines and the priorities established by the Administrator under subsection (a);</p> <p>(2) advise the Administrator with respect to the expertise and capabilities which are available through the national space grant college and fellowship program, and make such expertise available to the Administration as directed by the Administrator;</p> <p>program or project.</p> <p>(C) Access.—The Administrator and the Comptroller General of the United States, or any of their duly authorized representatives, shall have access, for the purpose of audit and evaluation, to any books, documents, papers, and records of receipts which, in the opinion of the Administrator or the Comptroller General, may be related or pertinent to such grants and contracts. For the purpose of audit and evaluation, the Administrator and the Comptroller General of the United States shall have access to any books, documents, papers, and records of receipts relating to a grant under this section, as determined by the Administrator or Comptroller General.</p> <p>(e) Program Streamlining.— Title 51, United States Code, is amended—</p> <p>(1) by striking sections 40305 through 40308, 40310, and 40311; and</p> <p>(2) by redesignating section 40309 as section 40305.</p> <p>(f) Authorization of Appropriations.—Title 51, United States Code, is amended by adding after section 40305, as redesignated by subsection (e)(2), the following:</p> <p>§40309f. Availability of other Federal personnel and data</p> <p>Each department, agency, or other instrumentality of the Federal Government that is engaged in or concerned with, or that has authority over, matters relating to space—</p> <p>(1) may, upon a written request from the Administrator, make available, on a reimbursable basis or otherwise, any personnel (with their consent and without prejudice to their position and rating), service, or facility which the Administrator considers necessary to carry out any provision of this chapter;</p> <p>(2) may, upon a written request from the Administrator, furnish any available data or other information which the Administrator considers necessary to carry out any provision of this chapter; and</p> <p>(3) may cooperate with the Administration.</p> <p>40306. Authorization of appropriations</p> <p>"There is authorized to be appropriated to carry out this chapter \$55,000,000 for each of fiscal years 2020 through []".</p> <p>(g) Conforming Amendment.—The table of sections at the beginning of chapter 403 of title 51, United States Code, is amended by striking the items relating to sections 40304 through 40311 and inserting the following:</p> <p>"40304. Grants.</p> <p>"40305. Availability of other Federal personnel and data.</p>
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- Purpose of the Program
- Technical Definitions
- Public Law references
- Grant Program eligibility, limitations, and allocation of funds
- Authorization of appropriations

Section-by-Section of Authorization Legislation

<p>Chapter 403—National Space Grant College and Fellowship Program is amended:</p> <p>Sec. 40301. Purposes</p> <p>Suggested Change 1: Wording is added to stress the state and regional interests and needs related to STEM education</p> <p>Rationale: Space Grant Consortia rely on state and regional input to develop STEM and space-related interests and states provide at least a 1:1 match to the program. The change underscores this Federal/State partnership</p> <p>Suggested Change 2: Clarifies that each consortia is made up of members in each state and other types of STEM entities.</p> <p>Rationale: Simply states the breadth of members in a consortium in each state.</p> <p>Sec. 40302. Definitions.</p> <p>Suggested Change 1: Defines "lead institution"</p> <p>Rationale: NASA currently manages the program through lead institutions in each state. This insertion simply updates the underlying statute to reflect current practice.</p> <p>Suggested Change 2: Eliminates the definition of "panel"</p> <p>Rationale: Consistency—the panel that was organized to enact the program 30 years ago is eliminated in the text, so no definition is needed.</p> <p>Suggested Change 3: Eliminates the definition of Space Grant College</p> <p>Rationale: Conforms the definition to existing practice. NASA no longer uses "space grant college" as a term with this program. Rather, they use the term "lead institution".</p> <p>Suggested Change 4: Eliminates the space grant program definition.</p> <p>Rational: The program is defined more fully later in the document in section 40303.</p> <p>Suggested Change 5: Eliminates Space Grant Regional Consortium and defines "Space Grant Consortium"</p>	<p>Rationale: There are not regional consortia as each state has its own. Clarifies what "space grant consortium" means.</p> <p>Suggested Change 6: Clarifies that "space resource" also includes aeronautics</p> <p>Rationale: Previous definition did not adequately account for aeronautics</p> <p>Suggested Change 7: Eliminates the definition of "State"</p> <p>Rationale: The elimination was put in by Senate legislative counsel. The eligible entities are described more fully later in the text.</p> <p>Sec. 40303. National Space Grant College and Fellowship Program</p> <p>Suggested Change 1: Eliminates Administration functions under the program and replaces with updated program objectives and priorities.</p> <p>Rationale: This rewrite updates the statute to reflect current practice. It spells out more clearly the overall objectives of the program (as indicated by NASA's last RFP) and the program priorities.</p> <p>Suggested Change 2: Clarifies that the program is administered through the Space Grant Consortia</p> <p>Rationale: Conforms to current practice.</p> <p>Suggested Change 3: Adds a section outlining a process by which the Administrator may suspend, terminate, and call for a new competition for a lead institution</p> <p>Rationale: Provides an oversight mechanism for the program and a process for replacing non-performing state consortia.</p> <p>Suggested Change 4: Eliminates section on administration costs</p> <p>Rationale: This topic is covered more completely in section 40304. NASA reports that they cannot administer the program at a 5% cap. Section 40304 establishes a cap of 10%—consistent with what NASA reports it can meet.</p>	<p>National Needs</p> <p>Eliminates this section</p> <p>Sections of the Space Grant program are included in section 40303. The elimination of sections that the Administrator cannot go outside of the Space Grant consortia to give grants related to national needs and problems of aerospace. Elimination is thus being outlined in section 40304.</p> <p>National College and Space Grant Regional Consortium</p> <p>Eliminates this section</p> <p>Lead institution", and "space grant consortia" are defined and outlined in other sections. Space Grant operates through each state, thus regional consortiums are not been in use. This elimination and rewrite (in other sections of the bill) cleans up the text to conform to current practice.</p> <p>National Fellowship Program</p> <p>Eliminates this section.</p> <p>Grants—fellowships are subsumed under section 40303</p> <p>National Review Panel</p> <p>Eliminates this section</p> <p>Panel and FACA committee were originally gathered to advise on setting up the program but not been in use since.</p> <p>Program or Award to be on a Competitive Basis</p> <p>Suggested Change: Eliminates section</p> <p>Rationale: New sections 40303 and 40304 outline the process to get a grant under the program. The consortia compete for an award during every 5 year cycle and also compete for "special projects"</p> <p>Sec 40311. Continuing Emphasis</p> <p>Suggested Change: Eliminates section</p>
<p>Space Grant, only grants.</p> <p>Suggested Change 6: Inserts provisions requiring the maintenance of records and re-writes the access paragraph for clarity</p> <p>Rationale: These changes were requested by Senate legislative counsel as "good government" provisions.</p> <p> </p>		

Update on VSA Activities (July 2019-July 2020)

- Authorization Bills (SENATE)
 - Reviewed current Space Grant authorization and offered the Alliance suggestions for future bills
 - Drafted a Space Grant Modernization Act authorization on behalf of the Alliance for the Senate Commerce Committee
 - Held 5 calls with Senate Commerce Committee staff and authorization cosponsors to discuss the draft
 - Created a “redline” document cross walking existing law with the new draft text; Shepardized existing law to reduce inconsistencies
 - Created a section-by-section document for the draft
 - Redrafted sections of the bill 4 times for the Senate as committee staff received feedback
 - Drafted a “Dear Colleague” letter for Senate sponsors to garner cosponsors on the legislation
 - Communicated with Alliance Members on the Senate Committee markup of the legislation and the process of the larger NASA Reauthorization bill in that body, including needed action items for Member advocacy

Update on VSA Activities (July 2019-July 2020)

• Authorization Bills (HOUSE)

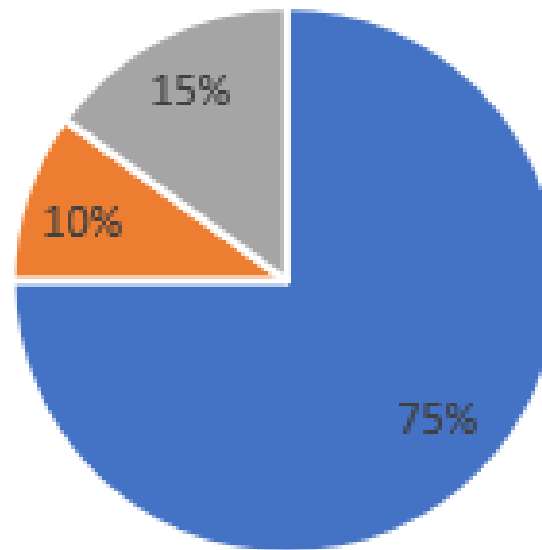
- Held 4 discussions with House Science Committee staff on timing and scope of a House NASA Authorization bill. Sent them the draft text of the Space Grant modernization act
- Redrafted the modernization act to meet the needs/desires of House committee staff
- Drafted an amendment for Rep. Wexton to present to the Committee as part of a NASA Reauthorization bill markup.
- Redrafted the amendment 3 times to meet the changing scope of the NASA reauthorization bill
- Redrafted the redline document to reflect the new changes; Shepardized for consistency
- Redrafted the section-by-section summary to reflect new changes
- Drafted a Dear Colleague to help garner support for Wexton's amendment
- Met with Committee staff 3 times during the markup process to answer questions on the amendment. Attended the markup and met with staff and counsels during the markup to ensure continued movement forward on the reauthorization
- Help 2 post-subcommittee markup calls related to the amendment and full committee markup action
- Drafted multiple updates for the Alliance during the authorization process, including developing action items for Space Grant Member input to Delegations
- Kept the Senate Commerce Committee and bill sponsors updated on House process to ensure continuity between the bodies
- Held 31 calls with Alliance Members during the process to discuss strategy, updated text, and advocacy

Update on VSA Activities (July 2019-July 2020)

- General Updates

- Sent weekly Federal Updates to Alliance to send to Space Grant Directors
- Participated in Monthly Alliance meetings to update members on Space Grant and Congressional activities
- Drafted quarterly summaries for the Alliance to update members on activities
- Participated in annual meetings, including board meetings, to update Alliance members on Federal events and activities
- Analyzed President's budget request for Space Grant, and NASA generally. Tracked broader budget debates to keep Alliance abreast of larger budgetary forces
- Created NASA Space Grant 30th Anniversary Exhibition Invitation. Supported activities around the 30th anniversary event.

VSA Division of Labor



- Preparatory Work (Strategizing, Drafting, redrafting, redlining, section by section, one pagers, advocacy documents, creating lists of staffers, completing forms)
- Lobbying (Direct communication with Hill or Agency Officials)
- Internal/Client Communications (updates, drafting notes for directors to send to Members of Congress, calls with Alliance, calls with Directors)

TIG's Recent Efforts

- **Space Grant FY 2019 & FY 2020 Funding Allocation Survey**
 - Created online survey and collected NASA funding award data and program expenditures data from all 52 consortia
 - Developed *NASA Funding Allocations for Space Grant by Jurisdiction* and *NASA Funding Allocations for Space Grant* reports
- **Space Grant Consortia Initiatives During the Coronavirus Pandemic**
 - From websites and Facebook pages of 52 consortia, collected events and actions taken in response to the coronavirus pandemic
 - Compiled and presented summary document to the Alliance
- **Notable Space Grant Alumni**
 - Surveyed consortium directors to identify notable alumni
 - Highlighted 12 astronauts, industry leaders, research scientists, and educators that exemplify Space Grant's 3-decade contribution to the nation's space and STEM education and workforce pipeline
- **Space Grant Alliance Infographic**
 - Worked with the Alliance to develop an enhanced FY 2020 document
- **NASA Full Cost Accounting**
 - Researched and presented accounting method used by NASA for Space Grant "administrative costs"
 - Includes all NASA agency-wide direct and indirect costs expended on the Space Grant program
- **Space Grant Reauthorization**
 - Worked as a member of VSA-led team to revise SG Authorization language to align with current program and needs of states
- **Space Grant Alliance and ExComm Board teleconferences and meetings**
 - Participated and contributed to discussions on monthly calls and at spring and fall meetings
- **Distribute News on Consortium Accolades**
 - Sent to Alliance and ExComm members articles on state-level Space Grant accomplishments

TIG's Future Activities

- **Space Grant History and Program Operations Document**
 - Continually update document by incorporating program revisions and changing priorities
 - Align PowerPoint slide deck with the revised document
- **Three- and Five-Year Alliance Strategic Plan**
 - Develop a strategic plan focused on prioritized opportunities and sustainable collaboration and partnerships with NASA OSTEM and external space-oriented organizations
- **Space Grant Alumni Profile Portal**
 - Develop data entry and collection system linked to an existing Space Grant website that enables consortium directors to acknowledge notable alumni
- **Space Grant-NASA Interactions**
 - Revise data collection initiative to capture Space Grant interactions with NASA programs/organizations that demonstrate accountability and transparency and measure and validate Space Grant's value
- **Proposal Development Assistance for Mid-Large Scale STEM Education Funding**
 - Identify grant solicitation opportunities for Space Grant
 - Help develop competitive Space Grant proposals, nationally and/or selected clusters of states for NASA, NSF, DoED and other sources of funding
- **Advice and Guidance**
 - Continue to provide to Space Grant Boards in meetings and telecoms

Space Grant FY 2019 & FY 2020 Funding Allocation Survey

FY 2019 Unexpended Funds

- 33 states provided FY 2019 Space Grant NASA-funded award expenditures data
 - 18 states had expended all funds by year end
 - 5 states had unexpended funds less than 10% of NASA award amount
 - 6 states had unexpended funds between 10% to 20% of NASA award amount
 - 4 states reported unexpended funds exceeding 20% of NASA award amount, highest being 37%
- 33 states reported unexpended dollars totaling \$1,508,980
- 10 states reported unexpended dollars totaling \$1,361,265 (90.2%)

FY 2019 and FY 2020 NASA Award Funding

- FY 2019 – 8 states received less than full award amount
- FY 2020 – 5 states received less than a full award amount, if 6 received delayed augmented funds

FY 2020 States Receiving Less than Full Award Amount

- 5 states requested and received less than \$760k
- 1 state requested but did not receive \$760k

Upcoming Activities

- **Targeted**: May reach out to a few of these key Senate members

House:

Alabama (R)
 Florida (D)
 Georgia (R)
 Hawaii (D)
 Michigan (D)
 Mississippi (R)
 New York (D)
 Ohio (D)
 Pennsylvania (D)

Senate:

Arkansas (R)	Maine (R)
Alabama (R)	Maryland (D)
Alaska (R)	New Hampshire (D)
California (D)	Rhode Island (D)
Delaware (D)	South Carolina (R)
Florida (R)	Tennessee (R)
Hawaii (D)	Vermont (D)
Kansas (R)	West Virginia (D, R)
Louisiana (R)	

- Push for language in the Senate appropriations
- Upcoming election will alter our approach (new President, Senate flipping)
- Support NASA Re-Authorization (most likely 2021, after election)
- Planning for 2021 Hill visit – in person vs virtual (zoom meetings)
- Continue to grow SG and NASA OSTEM funding
- Develop long-range vision and funding growth plan