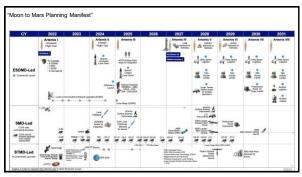




3



Agency Priority Goals (APGs)

Title

Climate Change
Research

Use the global variage point of space to advance our understanding of the Earth system, its processes, and changing climate. By
September 2012, MAS will domonate change research by delivering two new observing systems and on approach to MASAS

James Webb

Space Relexope

After launch September 2012 and the street of the street of

5

1

	FY 2021	FY 2022	FY 2022		FY 2023 Request			
Budget Authority (\$M)	Enacted ^V	Request ³	Enacte d ^{3/}	FY 2023	FY 2024	FY 2025	FY 2026	FY 202
Deep Space Exploration Systems	6,396.5	6,750.2	6,791.7	7,478.3	6,798.1	6,813.4	6,912.3	7,040
Common Exploration Systems Development	4,538.7	4,483.7	-	4,668.44	3,613.8	3,111.9	2.845.6	2,376
Artemis Campaign Development	1,672.1	2,062.0		2,600.3	2,973.8	3,489.3	3,853.9	4,450
Human Exp Requirements & Architecture	9.5	9.5	-	48.3	48.9	49.5	50.0	50
Mars Campaign Development	176.2	195.0	-	161.3	161.6	162.7	162.7	162
Space Operations	4.101.9	4,147.6	4.041.3	4.266.3	5.181.4	5,405.6	5.551.1	5.671
International Space Station	1,321.6	1,327.6	-	1,307.5	1,289.9	1,302.1	1,302.5	1,302
Space Transportation	1,871.9	1,770.2	-	1,759.5	1,798.8	1,848.7	1,889.2	1,914
Space and Flight Support	890.3	947.2	-	975.0	1,031.7	1,053.1	1,020.1	948
Commercial LEO Development	18.1	102.6	-	224.3	228.2	229.4	302.1	435
Exploration Operations	0.0	0.0	-	TBD ⁴	832.9	972.3	1,037.2	1,070
Space Technology	1,100.0	1,425.0	1,100.0	1,437.9	1,466.7	1,496.0	1,525.9	1,556
Science	7,290.7	7,931.4	7,614.4	7,988.3	8,148.1	8,311.1	8,477.3	8,646
Earth Science	1,996.5	2,250.0	-	2,411.5	2,460.3	2,589.0	2,722.3	2,782
Planetary Science	2,693.2	3,200.0	-	3,160.2	3,186.1	3,197.4	3,176.4	3,299
Astrophysics	1,770.9	1,575.2	-	1,556.0	1,597.0	1,578.5	1,620.5	1,625
Heliophysics	751.0	797.2	-	760.2	802.6	842.0	851.9	831
Biological and Physical Sciences	79.1	109.1	-	100.4	102.1	104.1	106.2	108
Aeronautics	828.7	914.8	880.7	971.5	990.9	1,010.7	1,030.9	1,051
STEM Engagement	127.0	147.0	137.0	150.1	153.1	156.2	159.3	162
Safety, Security, and Mission Services	2,936.5	3,049.2	3,020.6	3,208.7	3,272.9	3,338.4	3,405.2	3,473
Mission Services & Capabilities	1,918.3	2,028.8	-	2,154.4	2,197.5	2,241.5	2,286.3	2,332
Engineering, Safety, & Operations	1,018.2	1,020.4	-	1,054.3	1,075.4	1,096.9	1,118.9	1,141
Construction and Environmental Compliance & Restoration	445.8	390.3	410.3	424.3	432.8	441.5	450.3	459
Construction of Facilities	387.7	315.6	-	348.1	353.4	360.5	367.6	376
Environmental Compliance and Restoration	58.1	74.7		76.2	79.4	81.0	82.7	82
Inspector General	44.2	46.0	45.3	48.4	49.4	50.4	51.4	52
NASA Total	23.271.3	24,801.5	24.041.3	25.973.8	26.493.4	27.023.3	27.563.7	28,114

NASA Budget Over Time

Does NASA have enough money?

Adjusted for inflation, NASA's annual budget

NASA's budget is 0.3% of the US budget

8

7

How is the Budget Made?

President Budget Request
Gets sent to Congress, explains the breakdown of each category in detail
Fiscal Year begins Oct. 1

If budget is not approved by then, NASA is allowed to keep spending at the same rate they spent at during the previous fiscal year (called a continuing resolution)
The budget always gets adjusted prior to approval
3% increase in FY 2022 vs. 7% proposed increase

American Institute of Physics | alp org/fight

Class Exercise

Why does Congress adjust the budget so much?
Is the budget being "sold" correctly, further, what do you think NASA can do to better advocate for themselves?

9 10

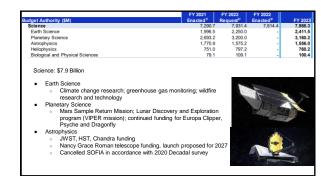
Budget Authority (\$M)	Enacted ^{1/}	Request ^{2/}	FY 2022 Enacted ^{3/}	FY 2023
Deep Space Exploration Systems	6,396.5	6,750.2	6,791.7	7,478.3
Common Exploration Systems Development	4,538.7		-	4,668.44
Artemis Campaign Development	1,672.1	2,062.0	-	2,600.3
Human Exp Requirements & Architecture Mars Campaign Development	9.5 176.2	9.5 195.0	-	48.3 161.3
Deep Space Exploration System \$7.5 Billion				
Highlights:				
Common Exploration Systems Development				
 Common Exploration Systems Development Artemis goal of landing the first woman and firs south pole" 	st person of color on	the moon's	A	
 Artemis goal of landing the first woman and firs south pole" 			6	
 Artemis goal of landing the first woman and firs south pole" SLS for completion of Artemis I and preparatio 			Ö	
Artemis goal of landing the first woman and firs south pole* SLS for completion of Artemis I and preparatio Orion program to finish Artemis II crew vehicle			O	
Artemis goal of landing the first woman and firs south pole* SLS for completion of Artemis I and preparatio Orion program to finish Artemis II crew vehicle Human Exploration Requirements and Architecture	n for Artemis III and I	V	Į.	
Artemis goal of landing the first woman and first south pole* SLS for completion of Artemis I and preparation of Orion program to finish Artemis II crew vehicle. Human Exploration Requirements and Architecture. Support strategy and architecture developmen	n for Artemis III and I	V		
Artemis goal of landing the first woman and firs south pole? SLS for completion of Artemis I and preparatio Orion program to finish Artemis II crew vehicle Human Exploration Requirements and Architecture Support strategy and architecture developmen Mars Campaign Development	n for Artemis III and I	V	Į.	
Artemis goal of landing the first woman and first south pole* SLS for completion of Artemis I and preparation on original programs to finish Artemis II crew vehicle Human Exploration Requirements and Architecture Support strategy and architecture development Mars Campaign Development Habitation systems required for deep space mit	n for Artemis III and I	V exploration.		
Artemis goal of landing the first woman and firs south pole? SLS for completion of Artemis I and preparatio Orion program to finish Artemis II crew vehicle Human Exploration Requirements and Architecture Support strategy and architecture developmen Mars Campaign Development	n for Artemis III and I	V exploration.	Č.	

Space Operations 1.32.1 Fr 2022 Fr 2022
Space Operations 1.32.1 Fr 2022
Space Operations 1.32.1 Space Space

11 12

2





14

16



Budnet Authority (SM)
Safety, Security, and Mission Services
Mission Services & Capabilities
Engineering, Safety, & Operations
Construction and Environmental Compiliance & Restoration SSMS and CECR: \$3.6 Billion Safety, Security, and Mission Services - \$3.2 Billion

Maintenance of all NASA centers - \$2.1 Billion

Strategic cybersecurity risk management

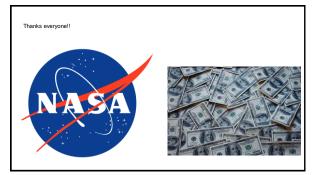
Enables mission success across all programs and projects

Construction and Environmental Compliance & Restoration - \$424 Million

Support Exploration mission work (SLS, Orion, Exploration Ground Systems programs)

"Construct, repair, or revitalize institutional infrastructure that supports capabilities across all centers"

15



17