
National Aeronautics and
Space Administration
FY 2024 Enacted Budget and
FY 2025 Budget Request
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FY 2024 Enacted Appropriations

FY 2024 NASA Appropriations Conference Outcome

	FY 2023 Enacted	FY 2024 Request	FY 2024 HAC CJS RCP	FY 2024 SAC CJS Mark	FY 2024 Enacted	*Delta from FY 2023 Enacted*
NASA TOTAL	**25,383.7**	**27,185.0**	**25,366.5**	**25,000.0**	**24,875.0**	***-508.7***
Science	**7,795.0**	**8,260.8**	**7,380.0**	**7,340.9**	**7,334.2**	***-460.8***
Earth Science	2,195.0	2,472.8	2,000.0	2,218.7	2,195.0	*0.0*
Planetary	3,200.0	3,383.2	3,100.0	2,683.3	2,716.7	*-483.3*
NEOS		209.7			209.7	
Dragonfly		327.7			360.0	
MSR	822.3	949.3	949.3	300.0	300.0	*-522.3*
Astrophysics	1,510.0	1,557.4	1,485.5	1,544.0	1,530.0	*20.0*
Heliophysics	805.0	750.9	710.0	805.0	805.0	*0.0*
Biological and Physical Science	85.0	96.5	85.0	90.0	87.5	*2.5*
Aeronautics	**935.0**	**995.8**	**945.8**	**935.0**	**935.0**	***0.0***
Space Technology	**1,200.0**	**1,391.6**	**1,205.0**	**1,118.0**	**1,100.0**	***-100.0***
OSAM-1	227.0		227.0	227.0	227.0	*0.0*
NTP	110.0		110.0	110.0	110.0	*0.0*
Exploration	**7,468.9**	**7,971.1**	**7,971.1**	**7,736.3**	**7,666.2**	***197.3***
Common Exploration Systems Development	4,737.9	4,525.4				
Orion	1,338.7	1,225.0	1,225.0	1,225.0	1,338.7	*0.0*
SLS	2,600.0	2,506.1	2,506.1	2,506.1	2,600.0	*0.0*
B1B/Enhanced Upper Stage	600.00	462.2	600.0	600.0	600.0	*0.0*
EGS	799.2	794.2	794.2	794.0		
ML-2	330.6	273.2	273.2	273.2		
Artemis Campaign Development	**2,600.3**	**3,234.8**	**3,234.9**			
HLS	1,485.6	1,880.5			1,880.5	*394.9*
xEVA/Human Surface Mobility Program		379.9			379.9	
Space Operations	**4,250.0**	**4,534.6**	**4,344.6**	**4,200.0**	**4,220.0**	***-30.0***
USDV	10.0	180.0				
STEM Engagement	**143.5**	**157.8**	**89.0**	**143.5**	**143.0**	***-0.5***
EPSCOR	26.0	26.0	29.0	26.0	26.0	*0.0*
Space Grant	58.0	57.0	60.0	58.0	58.0	*0.0*
Safety, Security and Mission Services	**3,129.5**	**3,369.4**	**3,135.5**	**3,100.0**	**3,129.0**	***-0.5***
Earmarks	30.7		36.3	21.0	56.7	
Construction & Env Compliance & Restoration	**414.3**	**453.7**	**247.9**	**379.0**	**300.0**	***-114.3***
Office of the Inspector General	**47.6**	**20.2**	**47.6**	**47.6**	**47.6**	***0.0***

NOTE: Of the amounts in FY24 Conference for Exploration, $450M is designated for an emergency requirement. Of the amounts in FY24 Conference for CECR, $250.0M is designated for an emergency requirement.

FY 2024 Appropriations Conference

NASA Highlights

Science: $461M below FY 2023 enacted

- Earth Science: equal to FY 2023 enacted
- Planetary: $483M below FY 2023 enacted (MSR: not less than $300M; Dragonfly, $360M; NEOS, $210M)
- Astrophysics: $20M above FY 2023 enacted
- Heliophysics: equal to FY 2023 enacted

Aeronautics: $935M, equal to FY 2023 enacted

Space Technology: $1.1B, $100M below FY 2023 enacted

- OSAM-1: equal to FY 2023 enacted, overriding NASA proposal to discontinue
- NTP: equal to FY 2023 enacted; cooperation with DARPA on DRACO supported
- NEP: supports commencement of technology development

Exploration: $7.7B, $197M above FY 2023 enacted, $305M below request

- Orion: up to FY 2023 enacted ($1.3B)
- SLS: up to FY 2023 enacted ($2.6B)
- HLS: up to FY 2024 request level ($1.9B)
- xEVA: up to FY 2024 request level ($380M)

FY 2024 Appropriations Conference *(cont.)*

NASA Highlights

Space Operations: $30M below FY 2023 enacted, and $315M below request

STEM Engagement: $0.5M below FY 2023 enacted, and $15M below request

Safety, Security and Mission Services (SSMS): $0.5M below FY 2023 enacted, and $240M below request; Earmarks within this account total $56.7M

Construction and Environmental Compliance and Restoration (CECR): $114.3M below FY 2023 enacted, and $240M below request

Significant Provisions:

- Extended availability of $436M in prior-year appropriations for liquidation of valid obligations for Commercial Crew
- Removal of appropriations funding “call-outs” in Exploration and Space Technology accounts
- General transfer authority increased

FY 2025 President's Budget Request

NASA's FY 2024 Enacted and FY 2025 Budget Request

Budget Authority ($M)	FY 2023 Operating Plan[1/]	FY 2024 Enacted	FY 2025 Request	FY 2026	FY 2027	FY 2028	FY 2029
			FY 2025 Request				
Deep Space Exploration Systems	7,447.6	7,666.2	**7,618.2**	7,803.7	7,959.8	8,119.0	8,281.4
Moon to Mars Transportation System	4,716.6		4,213.0	4,254.0	4,267.3	3,880.9	3,713.6
Moon To Mars Lunar Systems Development	2,630.5		3,288.1	3,285.7	3,389.5	3,868.8	3,712.3
Human Exploration Requirements & Architecture	100.5		117.1	264.1	303.0	369.3	855.5
Space Operations	4,266.7	4,220.0	**4,389.7**	4,497.6	4,587.6	4,679.4	4,773.0
International Space Station	1,286.2		1,269.6	1,267.8	1,262.8	1,259.4	1,259.4
Space Transportation	1,759.6		1,862.1	1,876.2	1,840.9	1,895.7	1,804.1
Space and Flight Support	983.4		1,088.4	1,051.3	1,048.7	1,059.0	1,080.2
Commercial LEO Development	224.3		169.6	302.3	435.2	465.2	629.3
Exploration Operations	13.2		0.0	0.0	0.0	0.0	0.0
Space Technology	1,193.0	1,100.0	**1,181.8**	1,205.4	1,229.5	1,254.1	1,279.2
Science	7,791.5	7,334.2	**7,565.7**	7,717.0	7,871.3	8,028.7	8,189.3
Earth Science	2,175.0	2,195.0	2,378.7	2,396.3	2,446.1	2,489.7	2,543.4
Planetary Science	3,216.5	2,716.7	2,731.5	2,850.5	2,911.6	2,976.8	3,042.5
Astrophysics	1,510.0	1,530.0	1,578.1	1,587.0	1,613.6	1,647.1	1,673.4
Heliophysics	805.0	805.0	786.7	791.9	807.0	820.3	833.4
Biological and Physical Sciences	85.0	87.5	90.8	91.3	93.0	94.8	96.6
Aeronautics	935.0	935.0	**965.8**	985.1	1,004.8	1,024.9	1,045.4
STEM Engagement	143.5	143.0	**143.5**	146.4	149.3	152.3	155.3
Safety, Security, and Mission Services	3,136.5	3,129.0	**3,044.4**	3,105.3	3,167.4	3,230.7	3,295.3
Mission Services & Capabilities	2,067.4		2,058.1	2,099.2	2,141.3	2,184.1	2,227.6
Engineering, Safety, & Operations	1,069.1		986.3	1,006.1	1,026.1	1,046.6	1,067.7
Construction and Environmental Compliance & Restoration	422.4	300.0	**424.1**	379.3	386.9	394.6	402.5
Construction of Facilities	346.2		344.7	298.3	304.3	310.4	316.6
Environmental Compliance and Restoration	76.2		79.4	81.0	82.6	84.2	85.9
Inspector General	47.6	47.6	**50.5**	51.5	52.5	53.6	54.7
NASA Total	25,383.7	24,875.0	25,383.7	25,891.3	26,409.1	26,937.3	27,476.1

1/ - FY 2023 reflects amounts in Public Law 117-328, Consolidated Appropriations Act, 2023, adjusted by NASA's September 2023 Operating Plan, plus $8M for IT Modernization Working Capital Fund.

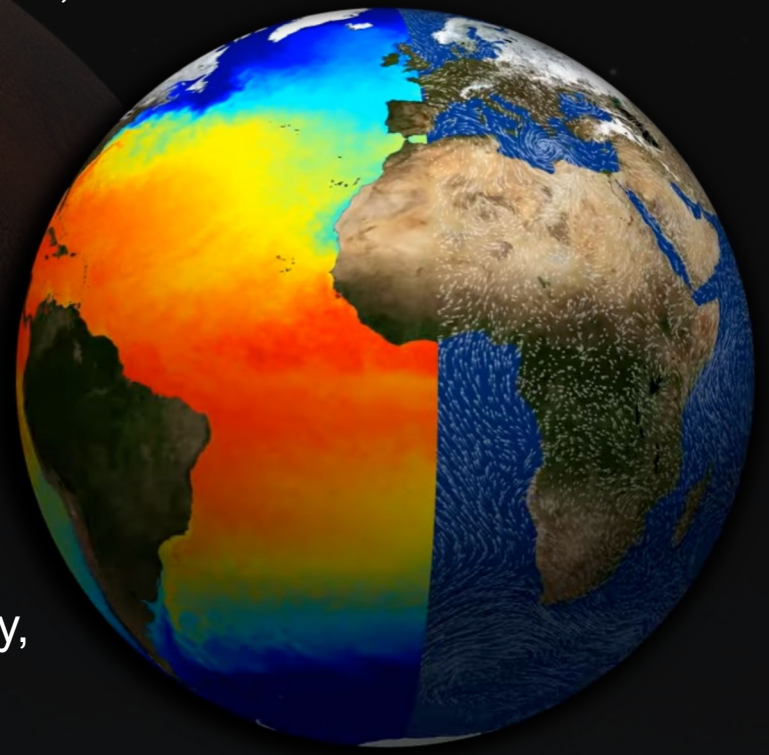
Advancing U.S. Leadership in Exploration and Discovery

- The President's budget request for NASA is an investment in our nation's future; it promotes U.S. leadership in space exploration, improves our understanding of Earth and the universe, inspires the Artemis Generation, and develops new aviation and space technologies for the benefit of humanity
- Leads the world back to the Moon through the Artemis program, with the broadest space exploration coalition in history

- Advances science and research in low-Earth orbit on the International Space Station while partnering with U.S. industry to develop commercial destinations to further American presence in low Earth Orbit after the ISS is retired in 2030
- Invests in the civil space technology base by developing, demonstrating, and transferring revolutionary technologies that expand the commercial space economy and transform NASA missions

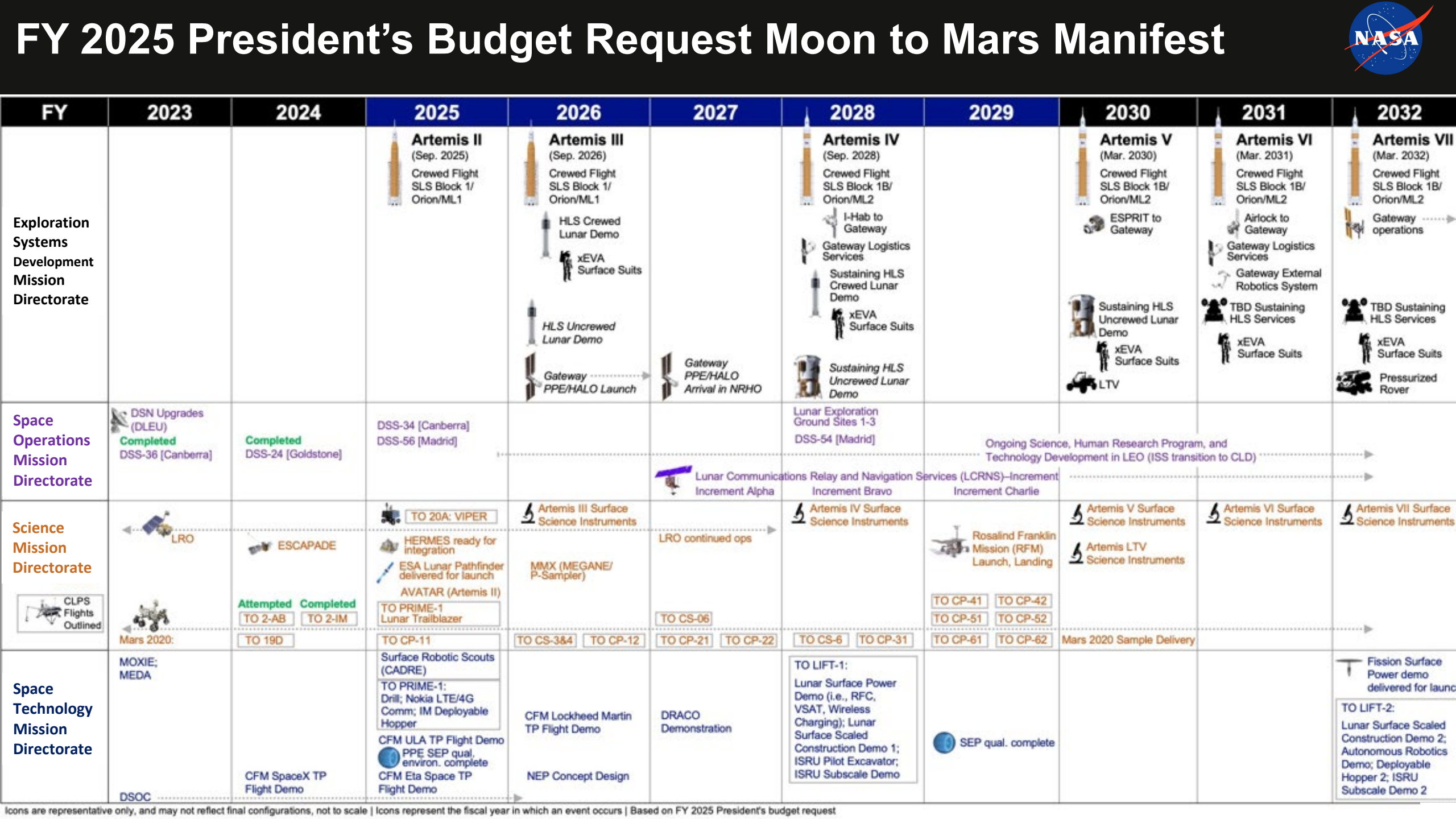
Advancing U.S. Leadership in Exploration and Discovery

- Drives scientific discovery through a balanced portfolio of space-based observatories performing fundamental research, exploring other bodies in the solar system, and gazing into the galaxy and beyond
- Strengthens NASA's global leadership in Earth science to enhance our understanding of the Earth system, response to natural hazards, and management of our natural resources
- Bolsters competitiveness of the U.S. aviation sector, with technologies that will transform commercial air travel, including a more efficient and greener future for aviation
- Engages students from diverse communities to pursue science, technology, engineering, and mathematics
- Invests in workforce, information technology, and infrastructure to enable mission success, and maintains a strong commitment to advancing diversity, equity, inclusion, and accessibility



Backup

FY 2025 President's Budget Request Moon to Mars Manifest



Icons are representative only, and may not reflect final configurations, not to scale | Icons represent the fiscal year in which an event occurs | Based on FY 2025 President's budget request

Moon to Mars Objectives

Elements included in FY 2025 - 2029 Budget Request

SCIENCE

Commercial Lunar Payload Services (CLPS)

Volatiles Investigating Polar Exploration Rover (VIPER)

Lunar Trailblazer

Artemis Crew Surface Instruments

LUNAR AND MARS INFRASTRUCTURE

In Situ Resource Utilization (ISRU)

Fission Surface Power

Lunar Infrastructure Foundational Technologies (LIFT-1 and LIFT-2)

Cryogenic Fluid Management

TRANSPORTATION AND HABITATION

Orion

Space Launch System (SLS)

Exploration Ground System (EGS)

Gateway

Spacesuits

Lunar Terrain Vehicle (LTV)

Pressurized Rover

OPERATIONS

Space Communication and Navigation (SCaN)

Deep Space Network

Lunar Exploration Ground Segment (LEGS)

Lunar Communication Navigation and Relay Service (LCNRS)

Human Research Program (HRP)

Flight Operations

There are 10 total M2M Objectives
Projects may support multiple objective areas

Low-Earth Orbit Transition: ISS to Commercial Destinations

FY	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
International Space Station (ISS) Operations													
U.S. Deorbit Vehicle Development										*Delivery*	*Deorbit*		
Commercial LEO Destinations (CLDs) Development										CLD Operations			
Phase 1: Early Design Maturation										*Phase 2: Certification & Services*			

Continue valuable science and research on ISS through end of life

Develop U.S. Deorbit Vehicle to safely deorbit ISS at end of useful life

Balancing 3 Priorities

Partner with U.S. commercial space industry to develop and deploy commercial destinations to ensure American access to LEO

Investing in Scientific Discovery

Supports over **125** space science missions, including **54** that are currently preparing for launch and over **70** in operation; also funds U.S. scientists in universities, industry, and government labs through more than **4,000** openly competed research awards

Planetary Science

Explores new destinations in the solar system with exciting missions such as Europa Clipper, Dragonfly, and Rosalind Franklin Mars rover

Earth Science

Enhances understanding of Earth by supplementing Earth observing missions with new missions such as Landsat NEXT and GRACE-Continuity

Astrophysics

Continues to revolutionize understanding of the origins and evolution of galaxies with the development of the Nancy Grace Roman Space Telescope

Heliophysics

Studies the Sun and its influence throughout the solar system with multiple missions, including PUNCH, SunRISE, and IMAP that launch in 2025

Biological & Physical Science

Advances our understanding of how biological and physical systems work from the unique vantage point of space

Commitment to the Earth and Sustainability

Invests over $3.2 billion to observe, understand, and protect our home planet

- $2.4 billion investment in Earth science and observations that enhance our understanding of the Earth system and make Earth science data available and actionable
- $32 million for Advanced Capabilities for Emergency Response Operations and Wildland Fires
- $522 million to reduce aviation's climate impact, including a Sustainable Flight National Partnership that will reduce fuel burn by as much as 30 percent
- $252 million for OSIRIS-APEX, and NEO Surveyor which launches in 2028 to detect, track, and characterize asteroids and comets that could impact Earth
- $41 million to better understand and mitigate the hazard of orbital debris