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1 NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
2 SCIENCE

3 For necessary expenses, not otherwise provided for,
4 in the conduct and support of science research and devel-
5 opment activities, including research, development, oper-
6 ations, support, and services; maintenance and repair, fa-
7 cility planning and design; space flight, spacecraft control,
8 and communications activities; program management; per-
9 sonnel and related costs, including uniforms or allowances
10 therefor, as authorized by sections 5901 and 5902 of title
11 5, United States Code; travel expenses; purchase and hire
12 of passenger motor vehicles; and purchase, lease, charter,
13 maintenance, and operation of mission and administrative
14 aircraft, \$7,301,000,000, to remain available until Sep-
15 tember 30, 2022: *Provided*, That, \$2,000,000,000 shall be
16 for Earth Science; \$2,700,000,000 shall be for Planetary
17 Science; \$1,356,200,000 shall be for Astrophysics;
18 \$414,700,000 shall be for the James Webb Space Tele-
19 scope; \$751,000,000 shall be for Heliophysics, and
20 \$79,100,000 shall be for Biological and Physical Science:
21 *Provided further*, That the National Aeronautics and
22 Space Administration shall use the Space Launch System
23 (SLS) for the Europa Clipper mission if the SLS is avail-
24 able and if torsional loading analysis has confirmed Clip-
25 per's appropriateness for SLS: *Provided further*, That, if

1 the conditions in the preceding proviso cannot be met, the
2 Administrator shall conduct a full and open competition,
3 that is not limited to the launch vehicles listed in the NLS-
4 II contract of the Launch Services Program as of the date
5 of the enactment of this Act, to select a commercial launch
6 vehicle for Europa Clipper.

7
8 **AERONAUTICS**

8 For necessary expenses, not otherwise provided for,
9 in the conduct and support of aeronautics research and
10 development activities, including research, development,
11 operations, support, and services; maintenance and repair,
12 facility planning and design; space flight, spacecraft con-
13 trol, and communications activities; program manage-
14 ment; personnel and related costs, including uniforms or
15 allowances therefor, as authorized by sections 5901 and
16 5902 of title 5, United States Code; travel expenses; pur-
17 chase and hire of passenger motor vehicles; and purchase,
18 lease, charter, maintenance, and operation of mission and
19 administrative aircraft, \$828,700,000, to remain available
20 until September 30, 2022.

21
22 **SPACE TECHNOLOGY**

22 For necessary expenses, not otherwise provided for,
23 in the conduct and support of space technology research
24 and development activities, including research, develop-
25 ment, operations, support, and services; maintenance and

1 repair, facility planning and design; space flight, space-
2 craft control, and communications activities; program
3 management; personnel and related costs, including uni-
4 forms or allowances therefor, as authorized by sections
5 5901 and 5902 of title 5, United States Code; travel ex-
6 penses; purchase and hire of passenger motor vehicles; and
7 purchase, lease, charter, maintenance, and operation of
8 mission and administrative aircraft, \$1,100,000,000, to
9 remain available until September 30, 2022: *Provided*,
10 That \$227,000,000 shall be for RESTORE-L/SPace In-
11 frastructure DExterous Robot: *Provided further*, That
12 \$110,000,000 shall be for the development, production,
13 and demonstration of a nuclear thermal propulsion sys-
14 tem, of which \$80,000,000 shall be for the design of a
15 flight demonstration system: *Provided further*, That, not
16 later than 180 days after the enactment of this Act, the
17 National Aeronautics and Space Administration shall pro-
18 vide a plan for the design of a flight demonstration.

19 EXPLORATION

20 For necessary expenses, not otherwise provided for,
21 in the conduct and support of exploration research and
22 development activities, including research, development,
23 operations, support, and services; maintenance and repair,
24 facility planning and design; space flight, spacecraft con-
25 trol, and communications activities; program manage-

1 ment; personnel and related costs, including uniforms or
2 allowances therefor, as authorized by sections 5901 and
3 5902 of title 5, United States Code; travel expenses; pur-
4 chase and hire of passenger motor vehicles; and purchase,
5 lease, charter, maintenance, and operation of mission and
6 administrative aircraft, \$6,555,400,000, to remain avail-
7 able until September 30, 2022: *Provided*, That not less
8 than \$1,406,700,000 shall be for the Orion Multi-Purpose
9 Crew Vehicle: *Provided further*, That not less than
10 \$2,585,900,000 shall be for the Space Launch System
11 (SLS) launch vehicle, which shall have a lift capability not
12 less than 130 metric tons and which shall have core ele-
13 ments and an Exploration Upper Stage developed simulta-
14 neously to be used to the maximum extent practicable, in-
15 cluding for Earth to Moon missions and Moon landings:
16 *Provided further*, That of the amounts provided for SLS,
17 not less than \$400,000,000 shall be for SLS Block 1B
18 development including the Exploration Upper Stage and
19 associated systems including related facilitization, to sup-
20 port an SLS Block 1B mission available to launch in 2025
21 in addition to the planned Block 1 missions for Artemis
22 1 through Artemis 3: *Provided further*, That \$590,000,000
23 shall be for Exploration Ground Systems and associated
24 Block 1B activities, including \$74,000,000 for a second
25 mobile launch platform: *Provided further*, That the Na-

1 tional Aeronautics and Space Administration shall provide
2 to the Committees on Appropriations of the House of Rep-
3 resentatives and the Senate, concurrent with the annual
4 budget submission, a 5-year budget profile for an inte-
5 grated system that includes the SLS, the Orion Multi-Pur-
6 pose Crew Vehicle, and associated ground systems that
7 will ensure a crewed launch as early as possible, as well
8 as a system-based funding profile for a sustained launch
9 cadence that contemplates the use of an SLS Block 1B
10 cargo variant and associated ground systems: *Provided*
11 *further*, That \$1,972,800,000 shall be for exploration re-
12 search and development.

13 SPACE OPERATIONS

14 For necessary expenses, not otherwise provided for,
15 in the conduct and support of space operations research
16 and development activities, including research, develop-
17 ment, operations, support and services; space flight, space-
18 craft control, and communications activities, including op-
19 erations, production, and services; maintenance and re-
20 pair, facility planning and design; program management;
21 personnel and related costs, including uniforms or allow-
22 ances therefor, as authorized by sections 5901 and 5902
23 of title 5, United States Code; travel expenses; purchase
24 and hire of passenger motor vehicles; and purchase, lease,
25 charter, maintenance, and operation of mission and ad-

1 ministrative aircraft, \$3,988,200,000, to remain available
2 until September 30, 2022.

3 SCIENCE, TECHNOLOGY, ENGINEERING, AND
4 MATHEMATICS ENGAGEMENT

5 For necessary expenses, not otherwise provided for,
6 in the conduct and support of aerospace and aeronautical
7 education research and development activities, including
8 research, development, operations, support, and services;
9 program management; personnel and related costs, includ-
10 ing uniforms or allowances therefor, as authorized by sec-
11 tions 5901 and 5902 of title 5, United States Code; travel
12 expenses; purchase and hire of passenger motor vehicles;
13 and purchase, lease, charter, maintenance, and operation
14 of mission and administrative aircraft, \$127,000,000, to
15 remain available until September 30, 2022, of which
16 \$26,000,000 shall be for the Established Program to
17 Stimulate Competitive Research and \$51,000,000 shall be
18 for the National Space Grant College and Fellowship Pro-
19 gram.

20 SAFETY, SECURITY AND MISSION SERVICES

21 For necessary expenses, not otherwise provided for,
22 in the conduct and support of science, aeronautics, space
23 technology, exploration, space operations and education
24 research and development activities, including research,
25 development, operations, support, and services; mainte-

1 nance and repair, facility planning and design; space
2 flight, spacecraft control, and communications activities;
3 program management; personnel and related costs, includ-
4 ing uniforms or allowances therefor, as authorized by sec-
5 tions 5901 and 5902 of title 5, United States Code; travel
6 expenses; purchase and hire of passenger motor vehicles;
7 not to exceed \$63,000 for official reception and represen-
8 tation expenses; and purchase, lease, charter, mainte-
9 nance, and operation of mission and administrative air-
10 craft, \$2,936,500,000, to remain available until Sep-
11 tember 30, 2022: *Provided*, That if available balances in
12 the “Science, Space, and Technology Education Trust
13 Fund” are not sufficient to provide for the grant disburse-
14 ments required under the third and fourth provisos under
15 such heading in the Department of Housing and Urban
16 Development-Independent Agencies Appropriations Act,
17 1989 (Public Law 100–404) as amended by the Depart-
18 ments of Veterans Affairs and Housing and Urban Devel-
19 opment, and Independent Agencies Appropriations Act,
20 1995 (Public Law 103–327) up to \$1,000,000 shall be
21 available from amounts made available under this heading
22 to make such grant disbursements.

1 CONSTRUCTION AND ENVIRONMENTAL COMPLIANCE AND
2 RESTORATION

3 For necessary expenses for construction of facilities
4 including repair, rehabilitation, revitalization, and modi-
5 fication of facilities, construction of new facilities and ad-
6 ditions to existing facilities, facility planning and design,
7 and restoration, and acquisition or condemnation of real
8 property, as authorized by law, and environmental compli-
9 ance and restoration, \$390,278,000, to remain available
10 until September 30, 2026: *Provided*, That proceeds from
11 leases deposited into this account shall be available for a
12 period of 5 years to the extent and in amounts as provided
13 in annual appropriations Acts: *Provided further*, That such
14 proceeds referred to in the preceding proviso shall be avail-
15 able for obligation for fiscal year 2021 in an amount not
16 to exceed \$18,700,000: *Provided further*, That each an-
17 nual budget request shall include an annual estimate of
18 gross receipts and collections and proposed use of all funds
19 collected pursuant to section 20145 of title 51, United
20 States Code.

21 OFFICE OF INSPECTOR GENERAL

22 For necessary expenses of the Office of Inspector
23 General in carrying out the Inspector General Act of 1978,
24 \$44,200,000, of which \$500,000 shall remain available
25 until September 30, 2022.

1 ADMINISTRATIVE PROVISIONS

2 (INCLUDING TRANSFERS OF FUNDS)

3 Funds for any announced prize otherwise authorized
4 shall remain available, without fiscal year limitation, until
5 a prize is claimed or the offer is withdrawn.

6 Not to exceed 5 percent of any appropriation made
7 available for the current fiscal year for the National Aero-
8 nautics and Space Administration in this Act may be
9 transferred between such appropriations, but no such ap-
10 propriation, except as otherwise specifically provided, shall
11 be increased by more than 10 percent by any such trans-
12 fers. Any funds transferred to “Construction and Environ-
13 mental Compliance and Restoration” for construction ac-
14 tivities shall not increase that account by more than 20
15 percent. Balances so transferred shall be merged with and
16 available for the same purposes and the same time period
17 as the appropriations to which transferred. Any transfer
18 pursuant to this provision shall be treated as a reprogram-
19 ming of funds under section 505 of this Act and shall not
20 be available for obligation except in compliance with the
21 procedures set forth in that section.

22 Not to exceed 5 percent of any appropriation pro-
23 vided for the National Aeronautics and Space Administra-
24 tion under previous appropriations Acts that remains
25 available for obligation or expenditure in fiscal year 2021

1 may be transferred between such appropriations, but no
2 such appropriation, except as otherwise specifically pro-
3 vided, shall be increased by more than 10 percent by any
4 such transfers. Any transfer pursuant to this provision
5 shall retain its original availability and shall be treated
6 as a reprogramming of funds under section 505 of this
7 Act and shall not be available for obligation except in com-
8 pliance with the procedures set forth in that section.

9 The spending plan required by this Act shall be pro-
10 vided by the National Aeronautics and Space Administra-
11 tion at the theme, program, project, and activity level. The
12 spending plan, as well as any subsequent change of an
13 amount established in that spending plan that meets the
14 notification requirements of section 505 of this Act, shall
15 be treated as a reprogramming under section 505 of this
16 Act and shall not be available for obligation or expenditure
17 except in compliance with the procedures set forth in that
18 section.

19 Not more than 40 percent of the amounts made avail-
20 able in this Act for the Gateway; Advanced Cislunar and
21 Surface Capabilities; Commercial LEO Development;
22 Human Landing System; and Lunar Discovery and Explo-
23 ration, excluding the Lunar Reconnaissance Orbiter, may
24 be obligated until the Administrator submits a multi-year
25 plan to the Committees on Appropriations of the House

1 of Representatives and the Senate that identifies esti-
2 mated dates, by fiscal year, for Space Launch System
3 flights to build the Gateway; the commencement of part-
4 nerships with commercial entities for additional LEO mis-
5 sions to land humans and rovers on the Moon; and con-
6 ducting additional scientific activities on the Moon. The
7 multi-year plan shall include key milestones to be met by
8 fiscal year to achieve goals for each of the lunar programs
9 described in the previous sentence and funding required
10 by fiscal year to achieve such milestones, as well as fund-
11 ing provided in fiscal year 2021 and previous years.

12 Of the amounts provided for Exploration Systems
13 Development, \$25,000,000 shall be transferred to Con-
14 struction and Environmental Compliance and Restoration
15 (CECR) for Exploration Construction of Facilities con-
16 sistent with direction provided in the explanatory state-
17 ment described in section 4 (in the matter preceding divi-
18 sion A of this consolidated Act). The authority provided
19 by this paragraph is in addition to the authority provided
20 by the second paragraph under this heading.

21 Not more than 20 percent or \$50,000,000, whichever
22 is less, of the amounts made available in the current-year
23 CECR appropriation may be applied to CECR projects
24 funded under previous years' CECR appropriation Acts.
25 Use of current-year funds under this provision shall be

1 treated as a reprogramming of funds under section 505
2 of this act and shall not be available for obligation except
3 in compliance with the procedures set forth in that section.

4 NATIONAL SCIENCE FOUNDATION

5 RESEARCH AND RELATED ACTIVITIES

6 For necessary expenses in carrying out the National
7 Science Foundation Act of 1950 (42 U.S.C. 1861 et seq.),
8 and Public Law 86–209 (42 U.S.C. 1880 et seq.); services
9 as authorized by section 3109 of title 5, United States
10 Code; maintenance and operation of aircraft and purchase
11 of flight services for research support; acquisition of air-
12 craft; and authorized travel; \$6,909,769,000, to remain
13 available until September 30, 2022, of which not to exceed
14 \$544,000,000 shall remain available until expended for
15 polar research and operations support, and for reimburse-
16 ment to other Federal agencies for operational and science
17 support and logistical and other related activities for the
18 United States Antarctic program: *Provided*, That receipts
19 for scientific support services and materials furnished by
20 the National Research Centers and other National Science
21 Foundation supported research facilities may be credited
22 to this appropriation.