

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

CHRONOLOGICAL HISTORY

FISCAL YEAR 1961

BUDGET SUBMISSION

Prepared by:
Office of Administration
Budget Operations Division
Code BT-1 EXT. 24146

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Chronological History of the FY 1961 Budget Submission
(In thousands of dollars)

SUMMARY

I T E M	A U T H O R I Z A T I O N							A P P R O P R I A T I O N				
	NASA Budget Submission	House Comm Action HR 10809 Rep 1333 3/3/60	House Comm Approved Budget	House Approved 3/9/60	Senate Comm Action Rep 1300 HR 10809 4/29/60	Senate Approved 5/3/60	Conf Comm Appd 5/19/61 P.L. 86-481 6/1/60	House Appn Committee Approved HR 11776 Rep 1519	House Approved 4/20/60	Senate Appn Comm Appd HR 11776 Rep 1611	Senate Approved 6/22/60	Conf Comm Appd 6/30/60 Rep No 2063 P.L. 86-626 7/12/60
TOTAL APPROPRIATIONS:												
Research & Development..	671,059	-49,606 ^{1/}	621,453	621,453	+50,000	671,453	671,453	651,240	651,240	720,453	720,453	670,453
Construction of												
Facilities.....	122,787	---	122,787	122,787	+5,000	127,787	127,787	107,275	107,275	122,787	122,787	122,787
Salaries & Expenses.....	170,760	---	170,760	170,760	---	170,760	170,760	166,500	166,500	170,760	170,760	170,760
GRAND TOTAL.....	964,606	-49,606^{1/}	915,000	915,000	+55,000	970,000	970,000	925,015	925,015	1,014,000	1,014,000	964,000
R&D Appropriation:												
Basic Submission:												
Aeronautical & space research.....	61,345	---	61,345	61,345	---	61,345	61,345					
Scientific investi- gations in space....	94,700	---	94,700	94,700	---	94,700	94,700					
Satellite applications	26,300	---	26,300	26,300	---	26,300	26,300					
Manned space flight...	107,750	---	107,750	107,750	---	107,750	107,750					
Vehicle systems tech..	21,200	---	21,200	21,200	---	21,200	21,200					
Space prop. technology	83,800	---	83,800	83,800	---	83,800	83,800					
Vehicle development...	193,808	---	193,808	193,808	---	193,808	193,808					
Tracking & data acq...	32,550	---	32,550	32,550	---	32,550	32,550					
Emergency author- ization.....	---	---	---	---	+50,000	50,000	50,000					
Subtotal, Basic.....	621,453	---	621,453	621,453	+50,000	671,453	671,453	602,240	602,240	671,453	671,453	621,453
Supplemental:												
Scientific investi- gations in space....	5,000											
Satellite applications	24,000											
Space prop. tech.....	2,600											
Vehicle development...	18,006											
Subtotal, Supplemental.....	49,606 ^{1/}	-49,606 ^{1/}	---	---	---	---	---	49,000 ^{6/}	49,000 ^{5/}	49,000 ^{6/}	49,000 ^{7/}	49,000 ^{8/}
TOTAL R&D.....	671,059	-49,606^{1/}	621,453	621,453	+50,000	671,453	671,453	651,240	651,240	720,453	720,453	670,453
C&E Appropriation.....	122,787	2/	122,787	122,787	+5,000^{2/}	127,787	127,787	107,275	107,275	122,787	122,787	122,787
S&E Appropriation:												
NASA Headquarters.....	9,890	---	9,890	9,890	---	9,890	9,890					
Langley Research Center.	29,295	---	29,295	29,295	---	29,295	29,295					
Ames Research Center....	15,244	---	15,244	15,244	---	15,244	15,244					
Lewis Research Center...	25,724	---	25,724	25,724	---	25,724	25,724					
Flight Research Center..	3,679	---	3,679	3,679	---	3,679	3,679					

1/ Requested for appropriation only. Funds were authorized in P.L. 86-481.
 2/ Includes \$5,000,000 emergency authorization.
 3/ Increased by \$5,000,000 for emergency authorization.
 4/ H.R. 5188, Report 52, 3/3/61.
 5/ House approved 3/7/61.
 6/ H.R. 5188, Report 85, 3/24/61.
 7/ Senate approved 3/27/61.
 8/ P.L. 87-14, 3/31/61, Supplemental.

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Goddard Space Flight Center.....	25,084	---	25,084	25,084	---	25,084	25,084					
Wallops Station.....	2,678	---	2,678	2,678	---	2,678	2,678					
NASA Huntsville Facility	58,313	---	58,313	58,313	---	58,313	58,313					
Western Operations Office.....	515.5	---	515.5	515.5	---	515.5	515.5					
Atlantic Missile Range Operations Office.....	278	---	278	278	---	278	278					
Pacific Missile Range Operations Office.....	59.5	---	59.5	59.5	---	59.5	59.5					
TOTAL S&E.....	170,760	---	170,760	170,760	---	170,760	170,760	166,500	166,500	170,760	170,760	170,760
Subtotal, Basic Submission.....	915,000	---	915,000	915,000	+55,000	970,000	970,000	876,015	876,015	965,000	965,000	915,000
Total Supplemental	49,606	-49,606 ^{1/}	---	---	---	---	---	49,000 ^{4/}	49,000 ^{5/}	49,000 ^{6/}	49,000 ^{7/}	49,000 ^{8/}
TOTAL, NASA.....	964,606	-49,606^{1/}	915,000	915,000	+55,000	970,000	970,000	925,015	925,015	1,014,000	1,014,000	964,000
RESEARCH AND DEVELOPMENT APPROPRIATION:	671,059	-49,606	621,453	621,453	+50,000	671,453	671,453	651,240	651,240	720,453	720,453	670,453
Basic submission.....	621,453	---	621,453	621,453	+50,000	671,453	671,453	602,240	602,240	671,453	671,453	621,453
AERONAUTICAL AND SPACE RESEARCH.....	(61,345)	(---)	(61,345)	(61,345)	(---)	(61,345)	(61,345)					
Support of NASA Plant.....	51,345	---	51,345	51,345	---	51,345	51,345					
Research grants and contracts.....	10,000	---	10,000	10,000	---	10,000	10,000					
SCIENTIFIC INVESTIGATIONS IN SPACE.....	(94,700)	(---)	(94,700)	(94,700)	(---)	(94,700)	(94,700)					
Sounding rockets....	8,000	---	8,000	8,000	---	8,000	8,000					
Scientific satellites	41,700	---	41,700	41,700	---	41,700	41,700					
Lunar and planetary exploration.....	45,000	---	45,000	45,000	---	45,000	45,000					
SATELLITE APPLICATIONS...	(26,300)	(---)	(26,300)	(26,300)	(---)	(26,300)	(26,300)					
Meteorology.....	20,700	---	20,700	20,700	---	20,700	20,700					
Communications.....	5,600	---	5,600	5,600	---	5,600	5,600					

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For footnote explanations 1 and 4 thru 8, see page 1.

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MANNED SPACE FLIGHT.....	(107,750)	(---)	(107,750)	(107,750)	(---)	(107,750)	(107,750)					
VEHICLE SYSTEMS TECHNOLOGY	(21,200)	(---)	(21,200)	(21,200)	(---)	(21,200)	(21,200)					
SPACE PROPULSION												
TECHNOLOGY.....	(83,800)	(---)	(83,800)	(83,800)	(---)	(83,800)	(83,800)					
Solid rockets.....	2,800	---	2,800	2,800	---	2,800	2,800					
Liquid rockets.....	63,000	---	63,000	63,000	---	63,000	63,000					
Nuclear systems technology.....	10,000	---	10,000	10,000	---	10,000	10,000					
Space power technology.	8,000	---	8,000	8,000	---	8,000	8,000					
VEHICLE DEVELOPMENT.....	(193,808)	(---)	(193,808)	(193,808)	(---)	(193,808)	(193,808)					
Delta.....	12,500	---	12,500	12,500	---	12,500	12,500					
Centaur.....	47,000	---	47,000	47,000	---	47,000	47,000					
Saturn.....	134,308	---	134,308	134,308	---	134,308	134,308					
TRACKING AND DATA												
ACQUISITION.....	(32,550)	(---)	(32,550)	(32,550)	(---)	(32,550)	(32,550)					
EMERGENCY AUTHORIZATION...	---	---	---	---	(+50,000)	(50,000)	(50,000)					
SUPPLEMENTAL REQUEST:	49,606	-49,606 ^{1/}	---	---	---	---	---	49,000 ^{2/}	49,000 ^{2/}	49,000 ^{4/}	49,000 ^{2/}	49,000 ^{6/}
SCIENTIFIC INVESTIGATIONS												
IN SPACE.....	(5,000)	(-5,000) ^{1/}	---	---	---	---	---					
Lunar and planetary exploration.....	5,000	-5,000	---	---	---	---	---					
SATELLITE APPLICATIONS.....	(24,000)	(-24,000) ^{1/}	---	---	---	---	---					
Communications.....	24,000	-24,000	---	---	---	---	---					
SPACE PROPULSION												
TECHNOLOGY.....	(2,600)	(-2,600) ^{1/}	---	---	---	---	---					
Nuclear Systems technology.....	2,600	-2,600	---	---	---	---	---					
VEHICLE DEVELOPMENT.....	(18,006)	(-18,006)	---	---	---	---	---					
Scout.....	1,825	-1,825 ^{1/}	---	---	---	---	---					
Centaur.....	16,181	-16,181 ^{1/}	---	---	---	---	---					

1/ Requested for appropriation only. Funds were authorized in P.L. 86-481.
2/ M.A. 5188, Report 52, 3/3/61.
3/ House approved 3/7/61.
4/ H.R. 5188, Report 85, 3/24/61.
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6/ P.L. 87-14, 3/31/61, Supplemental. 6103-31 PL

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CONSTRUCTION AND EQUIPMENT APPROPRIATION	122,787	---	122,787	122,787	+5,000	127,787	127,787	107,275 ^{1/}	107,275 ^{1/}	122,787	122,787	122,787
<u>Langley Research Center (Hampton, Virginia)....</u>	(11,957)	(---)	(11,957)	(11,957)	(---)	(11,957)	(11,957)					
Hypersonic aero- thermal dynamics facility.....	7,957	---	7,957	7,957	---	7,957	7,957					
Dynamics research laboratory.....	4,000	---	4,000	4,000	---	4,000	4,000					
<u>Ames Research Center (Moffett Field, Calif.)</u>	(980)	(---)	(980)	(980)	(---)	(980)	(980)					
Centrifuge equipment.	980	---	980	980	---	980	980					
<u>Lewis Research Center (Cleveland, Ohio)</u>	(9,100)	(---)	(9,100)	(9,100)	(---)	(9,100)	(9,100)					
Energy conversion laboratory.....	5,050	---	5,050	5,050	---	5,050	5,050					
Basic materials research laboratory.	4,050	---	4,050	4,050	---	4,050	4,050					
<u>Goddard Space Flight Center (Beltsville, Md.)</u>	(9,500)	(---)	(9,500)	(9,500)	(---)	(9,500)	(9,500)					
Payload testing facility.....	3,555	---	3,555	3,555	---	3,555	3,555					
Satellite systems laboratory.....	4,636	---	4,636	4,636	---	4,636	4,636					
Utility installations.	1,309	---	1,309	1,309	---	1,309	1,309					
<u>Pilotless Aircraft Station (Wallops Station, Virginia)....</u>	(4,000)	(---)	(4,000)	(4,000)	(---)	(4,000)	(4,000)					
Precision trajectory determination system.	1,910	---	1,910	1,910	---	1,910	1,910					
Operations computing center.....	350	---	350	350	---	350	350					
Equipment modern- ization.....	1,740	---	1,740	1,740	---	1,740	1,740					
<u>Jet Propulsion Laboratory (Pasadena, Calif.).....</u>	(5,000)	(---)	(5,000)	(5,000)	(---)	(5,000)	(5,000)					
Land acquisition....	60	---	60	60	---	60	60					
Modernization of laboratory facilities	2,335.3	---	2,335.3	2,335.3	---	2,335.3	2,335.3					

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^{1/} See items specifically disallowed for JPL and NASA Huntsville Facility; in addition all fallout shelters deleted and general reduction on all square footage costs made on basis of apparent excessive costs.

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Solid propellant facility.....	1,954.7	---	1,954.7	1,954.7	---	1,954.7	1,954.7					
Liquid propellant test cell.....	500	---	500	500	---	500	500					
Antenna range.....	150	---	150	150	---	150	150					
<u>NASA Huntsville Facility</u> <u>(Huntsville, Alabama)...</u>	<u>(26,750)</u>	<u>(---)</u>	<u>(26,750)</u>	<u>(26,750)</u>	<u>(---)</u>	<u>(26,750)</u>	<u>(26,750)</u>					
Saturn static test facility.....	10,800	---	10,800	10,800	---	10,800	10,800					
Central laboratory and office facility.	4,400	---	4,400	4,400	---	4,400	4,400					
Dynamic test facility	600	---	600	600	---	600	600					
Pressure test cell...	650	---	650	650	---	650	650					
Extension to assembly building.....	2,500	---	2,500	2,500	---	2,500	2,500					
Addition to engineer- ing building.....	1,137	---	1,137	1,137	---	1,137	1,137					
Completion of guidance and control building.....	1,948	---	1,948	1,948	---	1,948	1,948					
Addition to fabri- cation laboratory...	215	---	215	215	---	215	215					
Addition to checkout building.....	4,500	---	4,500	4,500	---	4,500	4,500					
<u>Atlantic Missile Range</u> <u>(Cape Canaveral, Fla.)..</u>	<u>(27,750)</u>	<u>(---)</u>	<u>(27,750)</u>	<u>(27,750)</u>	<u>(---)</u>	<u>(27,750)</u>	<u>(27,750)</u>					
Completion of Saturn launching complex...	2,250	---	2,250	2,250	---	2,250	2,250					
Escape mechanism....	300	---	300	300	---	300	300					
Hydrogen system.....	2,500	---	2,500	2,500	---	2,500	2,500					
New Saturn launching complex.....	21,000	---	21,000	21,000	---	21,000	21,000					
Staging building....	1,400	---	1,400	1,400	---	1,400	1,400					
Addition to engineer- ing laboratory building.....	300	---	300	300	---	300	300					
<u>Various Locations.....</u>	<u>(27,750)</u>	<u>(---)</u>	<u>(27,750)</u>	<u>(27,750)</u>	<u>(---)</u>	<u>(27,750)</u>	<u>(27,750)</u>					
Tracking facilities ..	27,750	---	27,750	27,750	---	27,750	27,750					
<u>Emergency Authorization...</u>	<u>(---)</u>	<u>(---)</u>	<u>(---)</u>	<u>(---)</u>	<u>(+5,000)</u>	<u>(5,000)</u>	<u>(5,000)</u>					

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SALARIES AND EXPENSES APPROPRIATION	170,760	---	170,760	170,760	---	170,760	170,760	166,500	166,500	170,760	170,760	170,760
All Installations:												
Personal services.....	128,625	---	128,625	128,625	---	128,625	128,625					
Travel.....	5,849	---	5,849	5,849	---	5,849	5,849		(4,900) ^{1/}		(5,849) ^{1/}	(5,375) ^{1/}
Transportation of things.....	442	---	442	442	---	442	442					
Communication services. Rents and utility services.....	1,314	---	1,314	1,314	---	1,314	1,314					
Printing and repro- duction.....	23,842	---	23,842	23,842	---	23,842	23,842					
Other contractual services.....	363	---	363	363	---	363	363	166,500	166,500	170,760	170,760	170,760
Grants, subsidies, and contributions.....	2,540.5	---	2,540.5	2,540.5	---	2,540.5	2,540.5					
Refunds, awards, and indemnities.....	7,618.5	---	7,618.5	7,618.5	---	7,618.5	7,618.5					
Taxes and assessments..	147	---	147	147	---	147	147					
	19	---	19	19	---	19	19					

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^{1/} Specified for limitation travel.