



**CONGRESSIONAL BUDGET OFFICE  
COST ESTIMATE**

May 14, 2015

**H.R. 2039  
National Aeronautics and Space Administration Authorization Act  
for 2016 and 2017**

*As ordered reported by the House Committee on Science, Space, and Technology  
on April 4, 2015*

**SUMMARY**

H.R. 2039 would authorize the appropriation of \$18.5 billion in 2016 and \$18.8 billion in 2017 for activities of the National Aeronautics and Space Administration (NASA). In 2015, NASA received an appropriation of \$18.0 billion. Assuming appropriation of the authorized amounts, CBO estimates that implementing the legislation would cost \$37.1 billion over the 2016-2020 period.

Enacting H.R. 2039 would not affect direct spending or revenues; therefore, pay-as-you-go procedures do not apply.

H.R. 2039 contains no intergovernmental or private-sector mandates as defined in the Unfunded Mandates Reform Act (UMRA).

**ESTIMATED COST TO THE FEDERAL GOVERNMENT**

The estimated budgetary effect of H.R. 2039 is shown in the following table. The costs of this legislation fall within budget functions 250 (general science, space, technology) and 400 (transportation).

	By Fiscal Year, in Millions of Dollars					2016- 2020
	2016	2017	2018	2019	2020	
<b>CHANGES IN SPENDING SUBJECT TO APPROPRIATION</b>						
Space Exploration						
Authorization Level	4,953	5,268	0	0	0	10,221
Estimated Outlays	3,839	4,702	1,055	521	105	10,222
Space Operations						
Authorization Level	3,992	3,992	0	0	0	7,984
Estimated Outlays	2,954	3,912	1,038	80	0	7,984
Science						
Authorization Level	4,951	4,935	0	0	0	9,886
Estimated Outlays	2,476	4,596	2,320	247	89	9,728
Aeronautics						
Authorization Level	571	580	0	0	0	1,151
Estimated Outlays	286	547	278	23	10	1,144
Space Technology						
Authorization Level	596	596	0	0	0	1,192
Estimated Outlays	238	477	328	113	29	1,185
Education						
Authorization Level	119	119	0	0	0	238
Estimated Outlays	30	65	67	48	23	233
Safety, Security, and Mission Services						
Authorization Level	2,843	2,843	0	0	0	5,686
Estimated Outlays	1,677	2,815	1,166	28	0	5,686
Construction and Environmental Compliance Restoration						
Authorization Level	465	436	0	0	0	901
Estimated Outlays	126	280	260	147	67	880
Inspector General						
Authorization Level	37	37	0	0	0	74
Estimated Outlays	31	37	0	0	0	74
Total Changes						
Authorization Level	18,527	18,806	0	0	0	37,333
Estimated Outlays	11,657	17,431	6,518	1,207	323	37,136

Note: Components may not sum to totals because of rounding.

## **BASIS OF ESTIMATE**

For this estimate, CBO assumes H.R. 2039 will be enacted near the end of 2015 and that the specified amounts will be appropriated for each fiscal year. Estimated outlays are based on historical spending patterns for existing programs.

**PAY-AS-YOU-GO CONSIDERATIONS:** None.

## **INTERGOVERNMENTAL AND PRIVATE SECTOR IMPACT**

H.R. 2039 contains no intergovernmental or private-sector mandates as defined in UMRA.

## **ESTIMATE PREPARED BY:**

Federal Costs: Marin Burnett

Impact on State, Local, and Tribal Governments: Jon Sperl

Impact on the Private Sector: Paige Piper/Bach

## **ESTIMATE APPROVED BY:**

Theresa Gullo

Assistant Director for Budget Analysis.