



ASTRA Summary of America COMPETES Authorization Levels

ASTRA Comparison of COMPETES Funding - HR 5116 vs Senate version of Dec 17, 2010											
Updated Dec 17 after Senate Passed COMPETES											
All figures in Millions of Current Dollars											
House Version - 5 Yr. Authorization	2010	Authorized by COMPETES - HR 5116					Percent Changes - with 2010 Base				
National Science Foundation	Approps	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Research and Related	5,618.0	6,020.0	6,496.0	7,009.0	7,562.0	8,160.0	7.2%	15.6%	24.8%	34.6%	45.2%
Education	872.7	954.0	1,020.0	1,100.0	1,187.0	1,281.0	9.3%	16.9%	26.0%	36.0%	46.8%
Facilities	117.0	166.0	235.0	250.0	250.0	250.0	41.9%	100.9%	113.7%	113.7%	113.7%
Misc. & Other	319.3	341.0	376.0	405.0	437.0	470.0	6.8%	17.8%	26.8%	36.9%	47.2%
Total	6,927.0	7,481.0	8,127.0	8,764.0	9,436.0	10,161.0	8.0%	17.3%	26.5%	36.2%	46.7%
NIST											
Research	515.0	620.0	657.2	696.7	738.5	782.8	20.4%	27.6%	35.3%	43.4%	52.0%
Facilities and Construction	147.0	125.0	85.0	122.0	124.0	133.0	-15.0%	-42.2%	-17.0%	-15.6%	-9.5%
TIP	69.9	95.0	89.0	89.0	80.0	80.0	35.9%	27.3%	27.3%	14.4%	14.4%
MEP	124.7	141.1	150.0	161.5	172.8	184.9	13.2%	20.3%	29.5%	38.6%	48.3%
Misc	0.0	10.0	11.2	10.6	10.9	11.2		12.0%	6.0%	9.0%	12.0%
Total	856.6	991.1	992.4	1,079.8	1,126.2	1,191.9	15.7%	15.9%	26.1%	31.5%	39.1%
DoE Office of Science											
Basic Energy Science	1,636.5	1,875.0	2,025.0	2,187.0	2,362.0	2,551.0	14.6%	23.7%	33.6%	44.3%	55.9%
Biological and Environmental Research	604.2	667.0	720.0	778.0	840.0	907.0	10.4%	19.2%	28.8%	39.0%	50.1%
Scientific Computing	394.0	466.0	503.0	544.0	587.0	634.0	18.3%	27.7%	38.1%	49.0%	60.9%
Total	4,904.0	5,247.0	5,614.0	6,007.0	6,428.0	6,878.0	7.0%	14.5%	22.5%	31.1%	40.3%
ARPA - e											
Program funding	0.0	300.0	450.0	600.0	800.0	1,000.0	n/a	50.0%	100.0%	166.7%	233.3%
Energy Innovation Hubs											
	0.0	110.0	135.0	195.0	210.0	210.0	N/A	22.7%	77.3%	90.9%	90.9%
Total All Agencies	12,687.6	14,019.1	15,183.4	16,450.8	17,790.2	19,230.9	10.5%	19.7%	29.7%	40.2%	51.6%



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<i>All figures in Millions of Current Dollars</i>												
Senate Version - 3 Yr. Authorization		2010	Authorized by COMPETES in Senate on Dec. 17									
National Science Foundation		Approps	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Research and Related		5,618.0	5,974.8	6,234.3	6,637.8			6.4%	11.0%	18.2%		
Education		872.7	937.9	979.0	1,041.8			7.5%	12.2%	19.4%		
Facilities		117.0	164.7	225.5	236.8			40.8%	92.7%	102.4%		
Misc. & Other		319.3	346.7	361.2	383.6			8.6%	13.1%	20.1%		
Total		6,927.0	7,424.0	7,800.0	8,300.0			7.2%	12.6%	19.8%		
NIST												
Research		515.0	584.5	661.1	676.7			13.5%	28.4%	31.4%		
Facilities and Construction		147.0	124.8	84.9	121.3			-15.1%	-42.2%	-17.5%		
TIP		69.9	53.6	54.4	61.0			-23.3%	-22.2%	-12.7%		
MEP		124.7	141.0	155.1	165.1			13.1%	24.4%	32.4%		
Misc		0.0	15.0	15.3	15.6				-71.5%	-70.9%		
Total		856.6	918.9	970.8	1,039.7			7.3%	13.3%	21.4%		
DoE Office of Science												
		No detail available on Dec 17										
Basic Energy Science		1,636.5										
Biological and Environmental Research		604.2										
Scientific Computing		394.0										
Total		4,904.0	5,247.0	5,614.0	6,007.0							
ARPA - e												
Program funding		0.0	300.0	306.0	312.0			n/a	2.0%	4.0%		
Energy Innovation Hubs												
		0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A
Total All Agencies		12,687.6	13,889.9	14,690.8	15,658.7	0.0	0.0	9.5%	15.8%	23.4%	-100.0%	-100.0%



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Differences - House vs. Senate													
			2011	2012	2013			2011	2012	2013			
NSF		2010	Senate minus House in \$ mil			Totals		Senate minus House - difference in % change					
	Research and Related	0.0	-45.2	-261.7	-371.2	-678.1		-0.8%	-4.7%	-6.6%			
	Education	0.0	-16.2	-41.0	-58.2	-115.4		-1.9%	-4.7%	-6.7%			
	Facilities	0.0	-1.3	-9.5	-13.2	-24.0		-1.1%	-8.1%	-11.3%			
	Misc. & Other	0.0	5.6	-14.8	-21.4	-30.6		1.8%	-4.6%	-6.7%			
	Total	0.0	-57.0	-327.0	-464.0	-848.0		-0.8%	-4.7%	-6.7%			
NIST			Senate minus House in \$ mil					Senate minus House - difference in % change					
	Research	0.0	-35.5	3.9	-20.0	-51.6		-6.9%	0.8%	-3.9%			
	Facilities and Construction	0.0	-0.2	-0.1	-0.7	-1.0		-0.1%	-0.1%	-0.5%			
	TIP	0.0	-41.4	-34.6	-28.0	-104.0		-59.2%	-49.5%	-40.1%			
	MEP	0.0	-0.1	5.1	3.6	8.6		-0.1%	4.1%	2.9%			
	Misc	0.0	5.0	4.1	5.0	14.1		0.0%	-83.5%	-76.9%			
	Total	0.0	-72.2	-21.6	-40.1	-133.9		-8.4%	-2.5%	-4.7%			
DoE Office of Science			Senate minus House in \$ mil										
	Basic Energy Science	1,636.5	No detail provided by Senate										
	Biological and Environmental Research	604.2	No detail provided by Senate										
	Scientific Computing	394.0	No detail provided by Senate										
	Total	4,904.0	0.0	0.0	0.0								
ARPA - e			Senate minus House in \$ mil					Senate minus House - difference in % change					
	Program funding	0.0	0.0	-144.0	-288.0			0.0%	-48.0%	-96.0%			
Total All Agencies			Senate minus House in Dollars			3 Yr. Total		Senate vs House Percentage difference					
		0.0	\$ (129.20)	\$ (492.60)	\$ (792.10)	\$(1,413.9)		-1.0%	-3.9%	-6.2%		3.1%	