

Summary Tables

**NSF ADMINISTRATION PRIORITIES AND CROSSCUTTING RESEARCH TOPICS SUMMARY  
FY 2025 BUDGET REQUEST TO CONGRESS**

(Dollars in millions)

	Advanced Manufacturing						Advanced Wireless				
	FY 2023 Base Plan	FY 2024 (TBD)	FY 2025 Request	Change over FY 2023 Base Plan			FY 2023 Base Plan	FY 2024 (TBD)	FY 2025 Request	Change over FY 2023 Base Plan	
				Amount	Percent				Amount	Percent	
BIO	\$7.16	-	\$7.48	\$0.32	4.5%	BIO	-	-	-	N/A	
CISE	44.30	-	44.30	-	-	CISE	88.76	-	4.85	5.5%	
ENG	125.00	-	130.63	5.63	4.5%	ENG	25.00	-	1.13	4.5%	
GEO Programs	-	-	-	-	N/A	GEO Programs	-	-	-	N/A	
GEO: OPP	-	-	-	-	N/A	GEO: OPP	-	-	-	N/A	
MPS	128.33	-	139.50	11.17	8.7%	MPS	17.00	-	-	-	
SBE	0.50	-	0.52	0.02	4.0%	SBE	-	-	-	N/A	
TIP	41.60	-	55.72	14.12	33.9%	TIP	23.26	-	7.90	34.0%	
OISE	0.50	-	0.52	0.02	4.0%	OISE	-	-	-	N/A	
IA	1.00	-	1.00	-	-	IA	-	-	-	N/A	
<b>R&amp;RA</b>	<b>\$348.39</b>	-	<b>\$379.67</b>	<b>\$31.28</b>	<b>9.0%</b>	<b>R&amp;RA</b>	<b>\$154.02</b>	-	<b>\$167.90</b>	<b>\$13.88</b>	<b>9.0%</b>
<b>EDU</b>	<b>6.00</b>	-	<b>7.00</b>	<b>1.00</b>	<b>16.7%</b>	<b>EDU</b>	<b>-</b>	-	<b>-</b>	<b>N/A</b>	
<b>Total, NSF</b>	<b>\$354.39</b>	-	<b>\$386.67</b>	<b>\$32.28</b>	<b>9.1%</b>	<b>Total, NSF</b>	<b>\$154.02</b>	-	<b>\$167.90</b>	<b>\$13.88</b>	<b>9.0%</b>

  

	Artificial Intelligence						Biotechnology				
	FY 2023 Base Plan	FY 2024 (TBD)	FY 2025 Request	Change over FY 2023 Base Plan			FY 2023 Base Plan	FY 2024 (TBD)	FY 2025 Request	Change over FY 2023 Base Plan	
				Amount	Percent				Amount	Percent	
BIO	\$20.00	-	\$20.90	\$0.90	4.5%	BIO	\$148.00	-	\$6.66	4.5%	
CISE	344.00	-	369.18	25.18	7.3%	CISE	6.92	-	1.63	23.6%	
ENG	88.00	-	91.96	3.96	4.5%	ENG	92.00	-	4.14	4.5%	
GEO Programs	5.00	-	5.23	0.23	4.6%	GEO Programs	10.00	-	0.45	4.5%	
GEO: OPP	-	-	-	-	N/A	GEO: OPP	1.60	-	0.07	4.4%	
MPS	75.21	-	78.59	3.38	4.5%	MPS	62.20	-	5.00	8.0%	
SBE	16.92	-	17.68	0.76	4.5%	SBE	1.50	-	0.07	4.7%	
TIP	78.09	-	104.62	26.53	34.0%	TIP	52.58	-	17.86	34.0%	
OISE	-	-	-	-	N/A	OISE	-	-	-	N/A	
IA	1.00	-	1.00	-	-	IA	1.00	-	-	-	
<b>R&amp;RA</b>	<b>\$628.22</b>	-	<b>\$689.16</b>	<b>\$60.94</b>	<b>9.7%</b>	<b>R&amp;RA</b>	<b>\$375.80</b>	-	<b>\$35.88</b>	<b>9.5%</b>	
<b>EDU</b>	<b>35.00</b>	-	<b>40.00</b>	<b>5.00</b>	<b>14.3%</b>	<b>EDU</b>	<b>9.00</b>	-	<b>0.50</b>	<b>5.6%</b>	
<b>Total, NSF</b>	<b>\$663.22</b>	-	<b>\$729.16</b>	<b>\$65.94</b>	<b>9.9%</b>	<b>Total, NSF</b>	<b>\$384.80</b>	-	<b>\$36.38</b>	<b>9.5%</b>	

**NSF ADMINISTRATION PRIORITIES AND CROSSCUTTING RESEARCH TOPICS SUMMARY  
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(Dollars in millions)

	NSTC Crosscut Quantum Information Science							Microelectronics and Semiconductors					
	FY 2023 Base Plan	FY 2024 (TBD)	FY 2025 Request	Change over FY 2023 Base Plan				FY 2023 Base Plan	FY 2024 (TBD)	FY 2025 Request	Change over FY 2023 Base Plan		
				Amount	Percent					Amount	Percent		
BIO	\$3.28	-	\$3.43	\$0.15	4.6%	BIO	-	-	-	-	N/A		
CISE	20.70	-	27.05	6.35	30.7%	CISE	40.00	-	41.80	1.80	4.5%		
ENG	29.50	-	30.83	1.33	4.5%	ENG	43.00	-	44.94	1.94	4.5%		
GEO Programs	-	-	-	-	N/A	GEO Programs	-	-	-	-	N/A		
GEO: OPP	-	-	-	-	N/A	GEO: OPP	-	-	-	-	N/A		
MPS	179.00	-	187.83	8.83	4.9%	MPS	31.00	-	35.00	4.00	12.9%		
SBE	-	-	-	-	N/A	SBE	-	-	-	-	N/A		
TIP	29.25	-	39.18	9.93	33.9%	TIP	38.25	-	51.23	12.98	33.9%		
OISE	1.00	-	1.05	0.05	5.0%	OISE	-	-	-	-	N/A		
IA	-	-	-	-	N/A	IA	-	-	-	-	N/A		
<b>R&amp;RA</b>	<b>\$262.73</b>	-	<b>\$289.37</b>	<b>\$26.64</b>	<b>10.1%</b>	<b>R&amp;RA</b>	<b>\$152.25</b>	-	<b>\$172.97</b>	<b>\$20.72</b>	<b>13.6%</b>		
<b>EDU</b>	<b>4.00</b>	-	<b>5.00</b>	<b>1.00</b>	<b>25.0%</b>	<b>EDU</b>	<b>-</b>	-	<b>2.00</b>	<b>2.00</b>	<b>N/A</b>		
<b>Total, NSF</b>	<b>\$266.73</b>	-	<b>\$294.37</b>	<b>\$27.64</b>	<b>10.4%</b>	<b>Total, NSF</b>	<b>\$152.25</b>	-	<b>\$174.97</b>	<b>\$22.72</b>	<b>14.9%</b>		

  

	NSTC Crosscut Clean Energy Technology							NSTC Crosscut U.S. Global Change Research Program					
	FY 2023 Base Plan	FY 2024 (TBD)	FY 2025 Request <sup>1</sup>	Change over FY 2023 Base Plan				FY 2023 Base Plan	FY 2024 (TBD)	FY 2025 Request <sup>1</sup>	Change over FY 2023 Base Plan		
				Amount	Percent					Amount	Percent		
BIO	\$55.00	-	\$57.48	\$2.48	4.5%	BIO	\$211.71	-	\$242.00	\$30.29	14.3%		
CISE	39.50	-	42.63	3.13	7.9%	CISE	30.00	-	30.00	-	-		
ENG	193.00	-	201.69	8.69	4.5%	ENG	-	-	-	-	N/A		
GEO Programs	-	-	-	-	N/A	GEO Programs	355.60	-	371.60	16.00	4.5%		
GEO: OPP	-	-	-	-	N/A	GEO: OPP	197.26	-	206.14	8.88	4.5%		
MPS	123.83	-	129.40	5.57	4.5%	MPS	12.00	-	12.54	0.54	4.5%		
SBE	-	-	-	-	N/A	SBE	20.00	-	20.90	0.90	4.5%		
TIP	53.07	-	69.32	16.25	30.6%	TIP	-	-	-	-	N/A		
OISE	7.50	-	-	-7.50	-100.0%	OISE	15.50	-	12.00	-3.50	-22.6%		
IA	-	-	-	-	N/A	IA	2.00	-	2.00	-	-		
<b>R&amp;RA</b>	<b>\$471.90</b>	-	<b>\$500.52</b>	<b>\$28.62</b>	<b>6.1%</b>	<b>R&amp;RA</b>	<b>\$844.07</b>	-	<b>\$897.18</b>	<b>\$53.11</b>	<b>6.3%</b>		
<b>EDU</b>	<b>-</b>	-	<b>-</b>	<b>-</b>	<b>N/A</b>	<b>EDU</b>	<b>-</b>	-	<b>-</b>	<b>-</b>	<b>N/A</b>		
<b>Total, NSF</b>	<b>\$471.90</b>	-	<b>\$500.52</b>	<b>\$28.62</b>	<b>6.1%</b>	<b>Total, NSF</b>	<b>\$844.07</b>	-	<b>\$897.18</b>	<b>\$53.11</b>	<b>6.3%</b>		

<sup>1</sup> Other Climate investments of \$152.30 million in the FY 2025 Request, outside the CET defined crosscut, are not captured.

<sup>1</sup> Other Climate investments of \$152.30 million in the FY 2025 Request, outside the USGCRP defined crosscut, are not captured.

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(Dollars in millions)

	NSTC Crosscut National Nanotechnology Initiative (NNI)						NSTC Crosscut Networking & Information Technology R&D (NITRD)				
	FY 2023	FY 2024 (TBD)	FY 2025 Request	Change over			FY 2023	FY 2024 (TBD)	FY 2025 Request	Change over	
	Base Plan			FY 2023 Base Plan Amount	Percent		Base Plan			FY 2023 Base Plan Amount	Percent
BIO	\$39.95	-	\$39.95	-	-	BIO	\$79.00	-	\$79.00	-	-
CISE	14.05	-	14.05	-	-	CISE	1,035.90	-	1,067.58	31.68	3.1%
ENG	190.95	-	235.00	44.05	23.1%	ENG	156.45	-	162.59	6.14	3.9%
GEO Programs	-	-	-	-	N/A	GEO Programs	27.00	-	27.00	-	-
GEO: OPP	-	-	-	-	N/A	GEO: OPP	-	-	-	-	N/A
MPS	126.00	-	128.50	2.50	2.0%	MPS	224.15	-	271.69	47.54	21.2%
SBE	0.40	-	0.40	-	-	SBE	32.94	-	31.70	-1.24	-3.8%
TIP	7.66	-	10.25	2.59	33.8%	TIP	292.04	-	388.67	96.63	33.1%
OISE	0.10	-	0.10	-	-	OISE	-	-	-	-	N/A
IA	-	-	-	-	N/A	IA	1.00	-	1.00	-	-
<b>R&amp;RA</b>	<b>\$379.11</b>	-	<b>\$428.25</b>	<b>\$49.14</b>	<b>13.0%</b>	<b>R&amp;RA</b>	<b>\$1,848.48</b>	-	<b>\$2,029.23</b>	<b>\$180.75</b>	<b>9.8%</b>
<b>EDU</b>	<b>2.50</b>	-	<b>2.50</b>	-	-	<b>EDU</b>	<b>21.77</b>	-	<b>21.56</b>	<b>-0.21</b>	<b>-1.0%</b>
<b>Total, NSF</b>	<b>\$381.61</b>	-	<b>\$430.75</b>	<b>\$49.14</b>	<b>12.9%</b>	<b>Total, NSF</b>	<b>\$1,870.25</b>	-	<b>\$2,050.79</b>	<b>\$180.54</b>	<b>9.7%</b>