



Alternative Fuels & Chemicals Coalition

Advocating for Public Policies to Promote the Development & Production of Alternative Fuels & Chemicals, with a Focus on Sustainable Aviation Fuels

AFCC's FY2021 Appropriations Requests

KEY PROGRAMS SUMMARY:

COMMERCE, JUSTICE & SCIENCE (CJS)

AFCC's priorities – the programs whose authorizations or appropriations have expired or not been renewed, or have been proposed for severe cuts or elimination in the President's Budget – **are indicated in red text.**

Symbols after Amounts for House & Senate FY2021 Appropriations: ↔ same as prior years, ↓ less than prior years, ↑ more than prior years

Subcommittee: Commerce, Justice & Science

Agency: U.S. Department of Commerce (DOC)

11 Programs – 4 Industry-Critical Priorities

Account / Program:	FY 2018 Appropriation	FY 2019 Appropriation	FY 2020 Appropriation	President's FY 2021 Budget	AFCC's FY 2021 REQUEST	House Appropriation H.R. 7667	Senate Marker Bill
DOC: Economic Development Administration (EDA)⁽¹⁾							
FY Appropriation	\$262,500,000	\$266,500,000	\$292,500,000	\$0 (eliminated)	(1) Restore to \$292,500,000	\$314,000,000↑	\$299,000,000↑
DOC: National Oceanic and Atmospheric Administration (NOAA); Operations, Research, and Facilities (ORF); Oceanic and Atmospheric Research (OAR) ⁽²⁾							
FY Appropriation	\$474,514,000 per DOC FY2019 "Budget in Brief," pg. 60; included under FY2018 appropriation of \$3,536,331,000 for ORF	\$525,060,000 per DOC FY2020 "Budget in Brief," pg. 71; included under FY2019 appropriation of \$3,596,997,000 for ORF	\$548,384,000 per DOC FY2021 "Budget in Brief," pg. 75; included under FY2020 appropriation of \$3,763,939,000 for ORF	\$352,700,000	(2) Restore to \$525,000,000	Amount for OAR not specified; included in appropriation for ORF, which is 60% less than FY2020 at \$1,524,360,000↓	Amount for OAR not specified; included in appropriation for ORF of \$3,807,958,000↑ a 1.2% increase from FY2020

A Collaborative Government Affairs Effort

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Subcommittee: Commerce, Justice & Science

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11 Programs – 4 Industry-Critical Priorities

Account / Program:	FY 2018 Appropriation	FY 2019 Appropriation	FY 2020 Appropriation	President's FY 2021 Budget	AFCC's FY 2021 REQUEST	House Appropriation H.R. 7667	Senate Marker Bill
DOC: National Oceanic and Atmospheric Administration (NOAA); Operations, Research, and Facilities (ORF); Office of Marine and Aviation Operations (OMAO)							
FY Appropriation	\$209,712,000 per DOC F2019 “Budget in Brief,” pg. 60; included under FY2018 appropriation of \$3,536,331,000 for ORF	\$226,420,000 per DOC FY2020 “Budget in Brief,” pg. 71; included under FY2019 appropriation of \$3,596,997,000 for ORF	\$274,490,000 per DOC FY2021 “Budget in Brief,” pg. 75; included under FY2020 appropriation of \$3,763,939,000 for ORF	\$363,800,000	\$363,800,000 per Administration request	Amount for OMAO not specified; included in appropriation for ORF, which is 60% less than FY2020 at \$1,524,360,000↓	Amount for OAR not specified; included in appropriation for ORF of \$3,807,958,000↑ a 1.2% increase from FY2020
DOC: National Institute of Standards and Technology (NIST), Scientific and Technical Research and Services (STRS) ⁽³⁾							
FY Appropriation	\$724,500,000	\$724,500,000	\$754,000,000	\$652,000,000	(3) Restore to \$754,000,000	\$789,000,000↑	\$786,500,000↑
DOC: National Institute of Standards and Technology (NIST); Industrial Technology Services; Manufacturing Extension Partnership (MEP)⁽⁴⁾							
FY Appropriation	\$155,000,000	\$155,000,000	\$155,000,000	\$0 (eliminated)	(4) Restore to \$155,000,000	\$153,000,000↓	\$165,500,000↑



Subcommittee: Commerce, Justice & Science

Agency: National Science Foundation (NSF)⁽⁵⁾

Account / Program:	FY 2018 Appropriation	FY 2019 Appropriation	FY 2020 Appropriation	President's FY 2021 Budget	AFCC's FY 2021 REQUEST	House Appropriation H.R. 7667	Senate Marker Bill
NSF: Research and Related Activities⁽⁵⁾							
FY Appropriation	\$5,993,000,000	\$6,556,183,000	\$6,737,200,000	\$6,213,020,000	⁽⁵⁾ Restore to \$6,737,200,000	\$6,967,123,000↑	\$6,907,400,000↑
NSF: Education and Human Resources⁽⁵⁾							
FY Appropriation	\$902,000,000	\$915,000,000	\$940,000,000	\$934,530,000	⁽⁵⁾ Restore to \$940,000,000	\$970,000,000↑	\$963,500,000↑
NSF: Major Research Equipment and Facilities Construction⁽⁵⁾							
FY Appropriation	\$182,800,000	\$249,254,000	\$243,230,000	\$229,750,000	⁽⁵⁾ Restore to \$243,230,000	\$243,230,000↔	\$239,750,000↓
NSF: Agency Operations and Award Management⁽⁵⁾							
FY Appropriation	\$328,510,000	\$328,510,000	\$336,900,000	\$345,640,000	⁽⁵⁾ \$345,600,000	\$345,640,000↔	\$345,000,000↓
NSF: National Science Board⁽⁵⁾							
FY Appropriation	\$4,370,000	\$4,370,000	\$4,500,000	\$4,210,000	⁽⁵⁾ Restore to \$4,500,000	\$4,500,000↔	\$4,500,000↔
NSF: Office of Inspector General⁽⁵⁾							
FY Appropriation	\$15,200,000	\$15,350,000	\$16,500,000	\$17,850,000	\$17,850,000	\$17,850,000↔	\$17,850,000↔
NSF FY Totals	\$7.5 billion	\$7.5 billion	\$8 billion	\$8,278,330,000	\$7,745,000,000	\$8,548,343,000↑	\$8,478,000,000↑



The President has proposed eliminating:

- The Economic Development Administration (EDA) Program, created in 1965 to promote economic activity in distressed areas,
- The National Institute of Standards and Technology's (NIST's) Manufacturing Extension Partnership program, a public-private initiative, and
- Several of the National Oceanic and Atmospheric Administration's (NOAA's) grant programs, including the Sea Grant, Coastal Zone Management Grants, and Education Grants.

AFCC STRONGLY OPPOSES THE ELIMINATION OF THESE PROGRAMS

- (1) **The Economic Development Administration (EDA) Program** is dedicated to promoting innovation, competitiveness, and regional collaboration to prepare American regions for growth and success in the worldwide economy. EDA works directly with communities and regions to help them build the capacity for economic development based on local business conditions and needs. EDA makes grant investments in planning, technical assistance, and infrastructure construction which are designed to leverage existing regional assets to make it easier for businesses to start and grow. Based on EDA's track record of successful collaboration with stakeholders (both federal and non-federal), the Office of Management and Budget (OMB) has designated EDA to lead the federal government's efforts to maximize the integration of economic development resources from all sources, including federal, state, local and philanthropic, to achieve impactful outcomes for the nation's communities.

ONE OF NOAA'S PROGRAMS – Oceanic and Atmospheric Research (OAR) – HAS BEEN CUT BY 36% in the President's FY2021 Budget. AFCC STRONGLY RECOMMENDS that full funding – at the same level as appropriated in prior years -- be restored for OAR.

- (2) **OAR** provides the research foundation for understanding the complex systems that support our planet. It supports laboratories and programs across the U.S. and collaborates with external partners. OAR research contributes to better forecasts, earlier warnings for natural disasters, enables communities to plan for and respond to climate events such as drought, and enhances the protection and management of the Nation's coastal and ocean resources.

While the NOAA grant programs that are being proposed for elimination in the President's budget do not have a direct impact on AFCC member companies, they still are important to these companies since they provide public support for company objectives and for resources that the companies can use.

- ✓ **NOAA's Sea Grant program** has been in existence for over 50 years. It employs and supports thousands of scientists to address emerging and pressing needs related to the Sea Grant's four strategic focus areas: healthy ecosystems, sustainable fisheries and aquaculture, resilient communities and economies, and environmental literacy and workforce development. It employs more than 500 on-the-ground extension specialists who serve as honest brokers of scientific information to support community needs. The program provides instruction materials and tools to support a better understanding and encourage participation in the Sea Grant's four topic areas.



- ✓ Our nation's coastal zone is vital to the well-being of our country. It is home to roughly half of the nation's population and supports ecologically important habitats and natural resources. **NOAA's National Coastal Zone Management Program (NCZMP)** works with coastal states and territories to address some of the most pressing coastal issues, including climate change and planning for energy facilities and development. The NCZMP takes a comprehensive approach to coastal resource management – balancing the often competing and occasionally conflicting demands of coastal resource use, economic development, and conservation – and provides the basis for protecting, restoring, and responsibly developing our nation's diverse coastal communities and resources.
 - ✓ **NOAA's education grants** support environmental literacy by educating and inspiring people to use Earth systems science to improve ecosystem stewardship and increase resilience to environmental hazards. NOAA's Bay Watershed Education and Training program funds locally relevant, authentic experiential learning for K-12 students through multi-stage activities that include learning both outdoors and in the classroom and aim to increase understanding and stewardship of watersheds and related ocean, coastal, riverine, estuarine, and Great Lakes ecosystems. Finally, NOAA's five Educational Partnership Cooperative Science Centers, which have been established at minority-serving institutions, advance collaborative research in the NOAA-mission sciences.
- (3) **The NIST's Manufacturing Extension Partnership (MEP).** For the past 30 years, the MEP National Network™ has equipped small and medium-sized manufacturers with the resources needed to grow and thrive. MEP's industry experts work side-by-side with manufacturers to reduce costs, improve efficiencies, develop the next generation workforce, create new products, find new markets and much more. Together, they strengthen communities and U.S. manufacturing. **Last year, MEP Centers interacted with 28,213 manufacturers, leading to \$15.7 billion in sales, \$1.5 billion in cost savings, \$4.5 billion in new client investments, and helped create or retain 114,650 jobs.**
- (4) **AFCC RECOMMENDS INCREASING FUNDING FOR the Scientific and Technical Research and Services (STRS) which provides resources for all of NIST's laboratory programs.** NIST's Laboratory Programs work at the frontiers of measurement science to ensure the U.S. system of measurements are grounded on sound science and technical principles. The measurement science research at NIST is the basis for all pure and applied science disciplines that contribute to the productivity and competitiveness of the American economy. Ensuring NIST's continued excellence will provide a critical tool for strengthening American competitiveness.
- (5) **AFCC RECOMMENDS MAINTAINING THE FY2020 FUNDING LEVELS for all of the NSF programs to ensure financial support in wide range of scientific areas, from microbial conversion technologies to plant genomics which impacts the biobased economy.** NSF programs assist in developing improved health care products, enhancement in agricultural crop development, sustainable aviation fuels, and industrial and environmental everyday biobased consumer products. Yearly, NSF provides about 12,000 new grant awards, which support all fields of basic research.