

Research Data
Fiscal Year 2020-21 (FY 2021)
WMU Office of Research and Innovation



Executive Summary

- Despite the uncertainties faced throughout this fiscal year, the research data for FY 2021 reflects recovery and advancement.
 - The number of proposal submissions was lower than in FY 2020, while the overall value of FY 2021 submissions exceeds the pre-pandemic amounts of FY 2019.
 - Federal sponsors continue to account for the vast majority of proposal submissions. However, FY 2021 shows growth in submissions to state sponsors.
 - A comparable trend is seen in Awards, with fewer awards but higher dollar value. FY 2021 surpassed FY 2020 by 20.5% and is only 2.9% down from FY 2019 totals.
 - The latter half of the fiscal year saw expenditures outpacing the same period of FY 2020. Overall, expenditures were down 1.1% from FY 2020.
 - Year-end F&A percentage for FY 2021 is greater than the prior year and even greater than FY 2019, which was pre-pandemic.

NOTE: Higher Education Emergency Relief Funding (HEERF) for FY 2020 of \$7.8M and for FY 2021 of \$17.1M is excluded from the data and reporting.

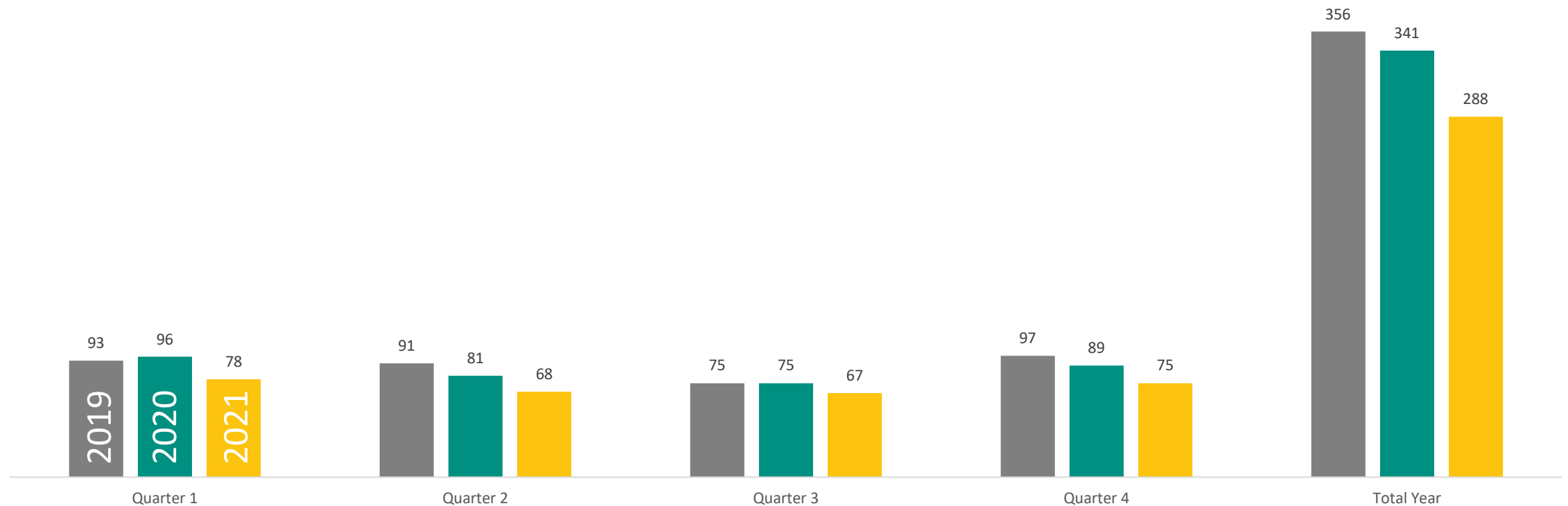


Proposal Submissions

Number of Proposal Submissions

Compared with **FY 2020**, there were 15.5% fewer proposal submissions in **FY 2021**.

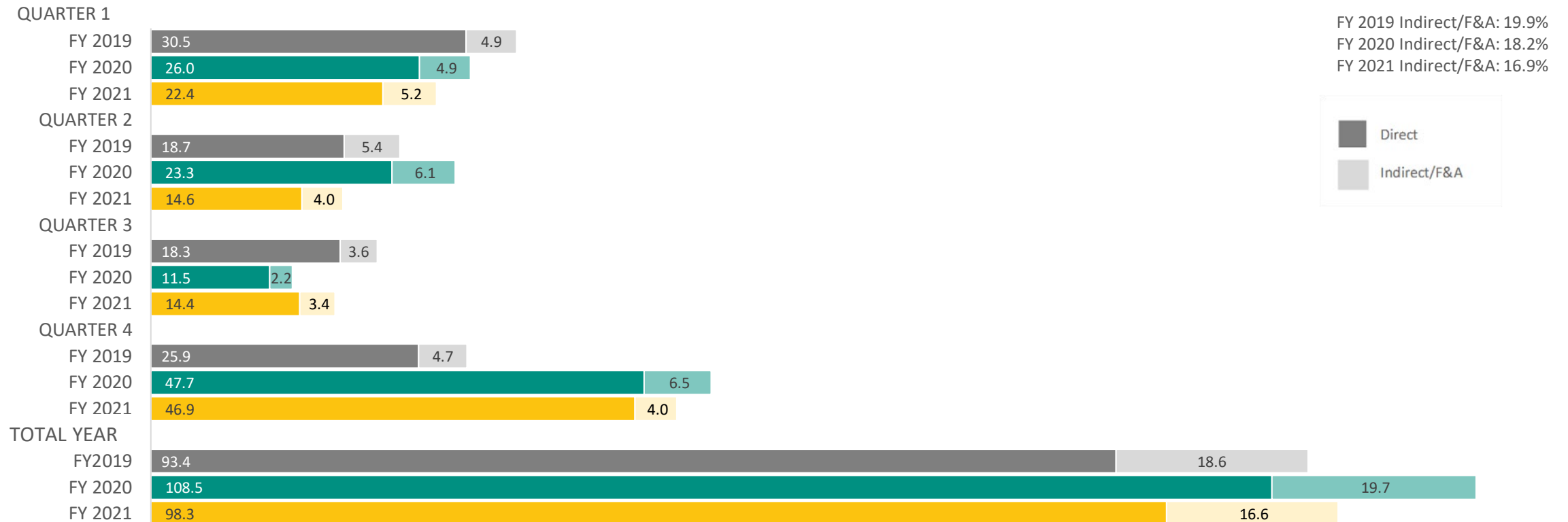
Year-over-Year Comparison
Number of Proposal Submissions



Value of Proposal Submissions

Despite fewer submissions, the total value of **Q4 FY 2021** submissions exceeded that of **FY 2019** (pre-pandemic). The value of **FY 2021 submissions** is 10.4% less than **FY 2020**.

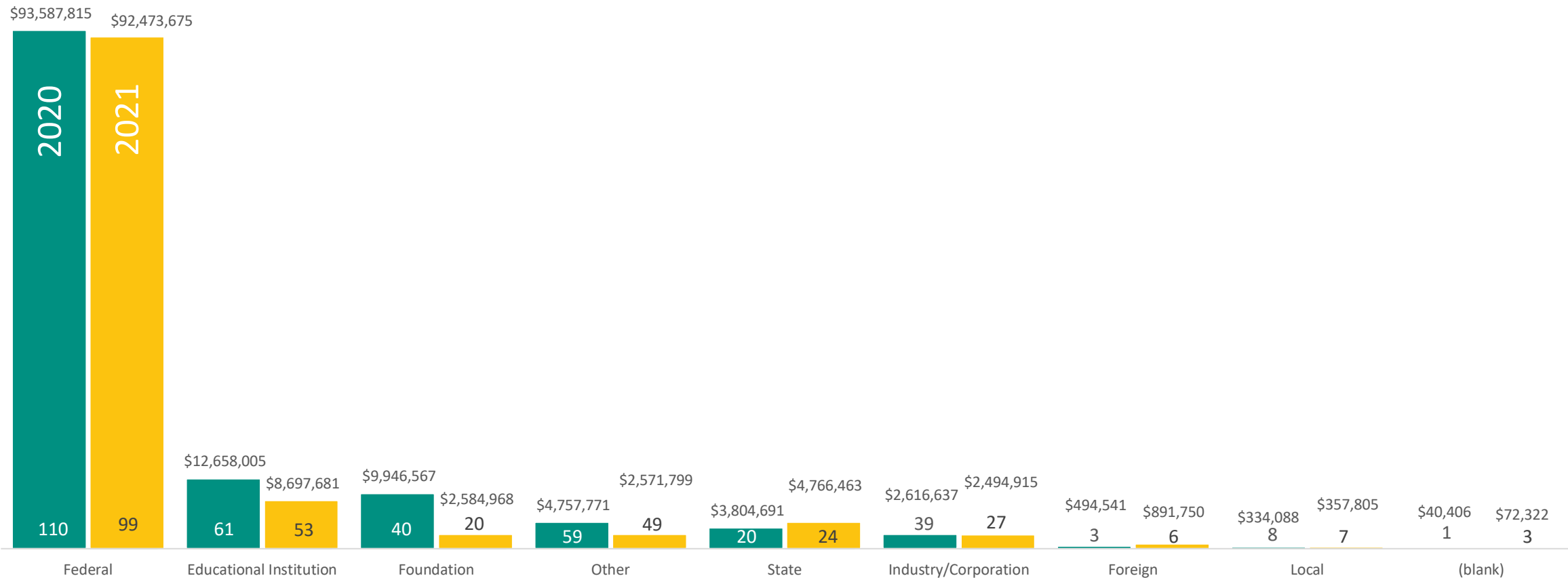
Year-over-Year Comparison
Total Amount of Proposal Submissions
(in Millions \$)



Proposal Sponsors

Federal agencies continue to be the dominant sponsor type. However, in **FY 2021**, we saw a rise in the number and value of state and foreign proposal submissions.

Value and Number of Proposal Submissions by Sponsor Type



Submissions to Federal Sponsors

Submissions to the **U.S. Department of Education** had the highest dollar value, although there were four times as many submissions to the **National Science Foundation**.

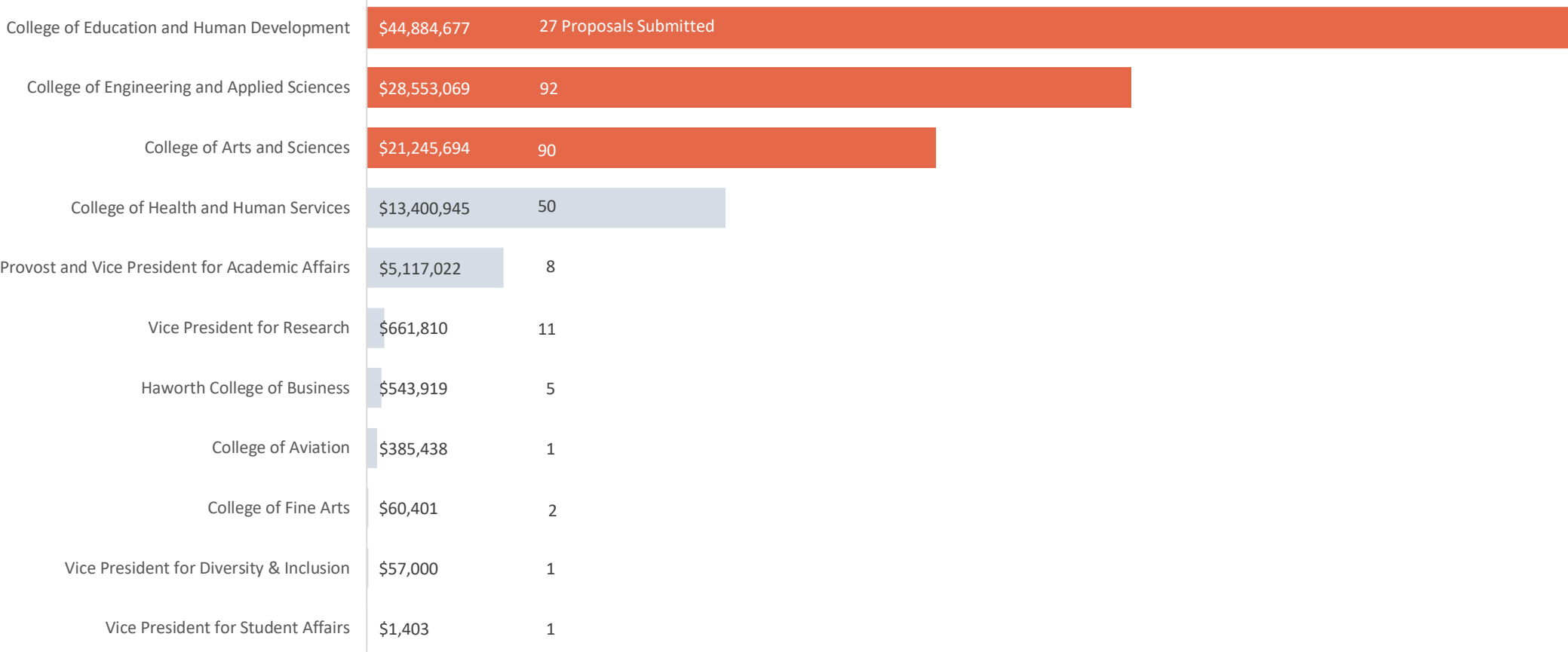
Top 10 Federal Funding Sources



Proposal Submissions

Submissions by the **College of Education and Human Development** had the highest dollar value, while the **College for Engineering and Applied Sciences** submitted the most proposals, with the **College of Arts and Sciences** close behind.

Value and Number of Proposal Submissions by College for FY 2021



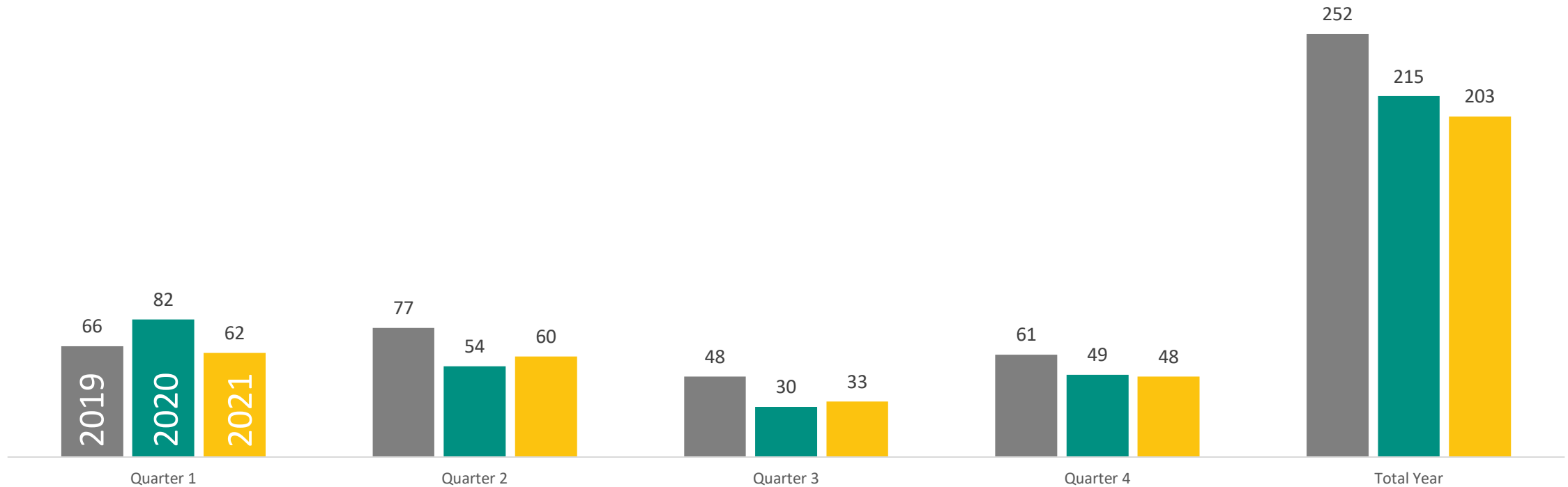


Awards

Number of Awards

WMU received more awards in **Q2 and Q3 FY 2021** than in the same periods in **FY 2020**. Overall, 5.5% fewer awards were received in **FY 2021** compared with **FY 2020**.

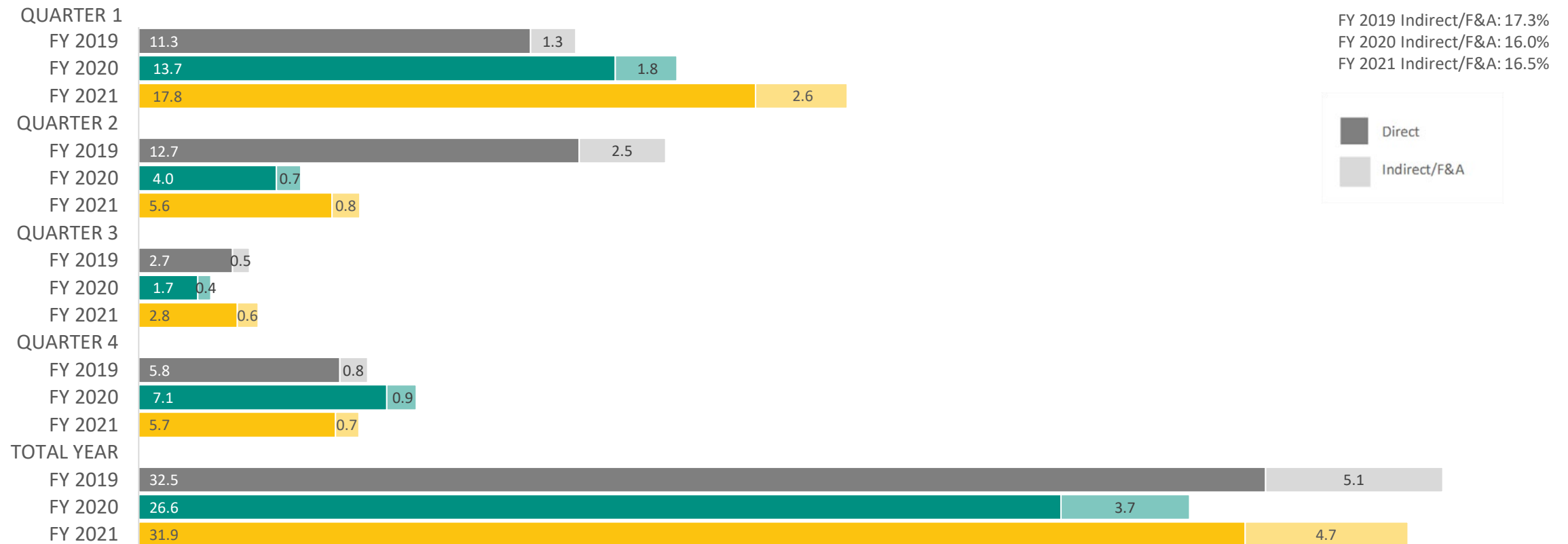
Year-over-Year Comparison
Number of Awards



Value of Awards

Although fewer awards were received in **FY 2021**, award values for **FY 2021** surpassed **FY 2020** by 20.5%. The overall value of **FY 2021** awards was just 2.9% less than of **FY 2019** awards (pre-pandemic). The overall **FY 2021** F&A percentage also increased over **FY 2020**.

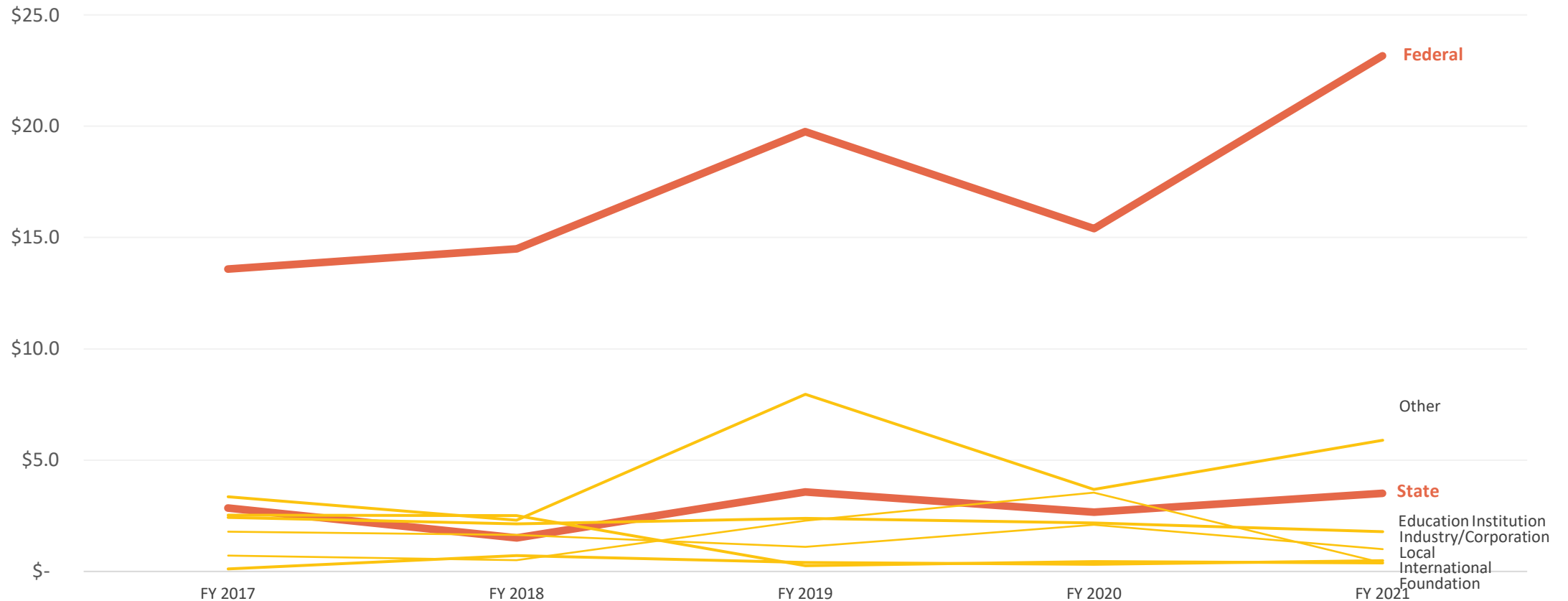
Year-over-Year Comparison
Total Value of Awards
(in Millions \$)



Award Sponsors

Awards are predominately from **federal** sponsors. More awards were received from **state** sponsors in FY 2021 compared with FY 2020.

5-Year Funding Source Trend
Fiscal Years 2017-21
(in Millions \$)



Award Sponsors

The value of awards from federal and state sponsors increased substantially in **FY 2021**. Most other funding sources stayed steady. However, Foundation awards declined after posting higher amounts in **FY 2019** and **FY 2020**.

Note: FY2019 numbers include some federal and state awards that covered multiple years (i.e., an entire \$5 million award received upfront rather than in annual increments).

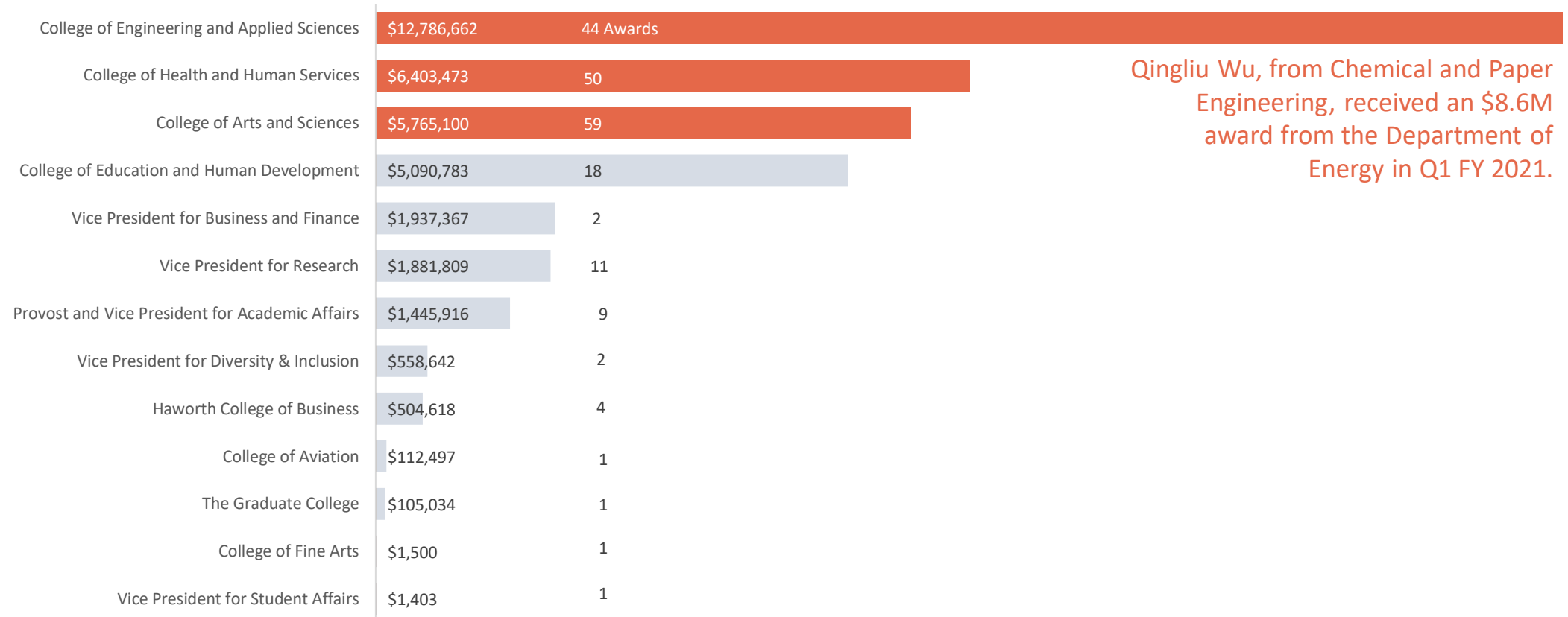
in millions

Sponsor Type	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Federal	\$ 13.6	\$ 14.5	\$ 19.8	\$ 15.4	\$ 23.2
State	\$ 2.8	\$ 1.5	\$ 3.6	\$ 2.7	\$ 3.5
Local	\$ 2.5	\$ 2.5	\$ 0.2	\$ 0.4	\$ 0.4
International	\$ 0.1	\$ 0.7	\$ 0.4	\$ 0.3	\$ 0.5
Industry/Corporation	\$ 1.8	\$ 1.6	\$ 1.1	\$ 2.1	\$ 1.0
Educational Institution	\$ 2.4	\$ 2.1	\$ 2.4	\$ 2.2	\$ 1.8
Foundation	\$ 0.7	\$ 0.5	\$ 2.3	\$ 3.5	\$ 0.4
Other	\$ 3.4	\$ 2.3	\$ 8.0	\$ 3.7	\$ 5.9
Total	\$ 27.3	\$ 25.8	\$ 37.7	\$ 30.3	\$ 36.6

Award Recipients

The **College of Engineering and Applied Sciences** received the greatest amount of funding, followed by the **College of Health and Human Services**. The **College of Arts and Sciences** received the highest number of awards.











Value and Number of Awards by College for FY 2021



Qingliu Wu, from Chemical and Paper Engineering, received an \$8.6M award from the Department of Energy in Q1 FY 2021.

Award Recipients

Qingliu Wu holds the number one spot on this year's top ten awards listed by amount.

PI	College	Department	Total Awards	
Wu, Qingliu	College of Engineering and Applied Sciences	Paper/Chem/Imaging Engrng		\$ 8,896,965
Pschigoda, Lon	Vice President for Business and Finance	Auxiliary		\$ 1,937,367
Cisler, Ron	College of Health and Human Services	Dean-College-Hlth & Human Svcs		\$ 1,618,800
Reeves, Patricia	College of Education and Human Development	Ed Leadership, Research & Tech		\$ 1,532,272
Spybrook, Jessaca	College of Education and Human Development	Ed Leadership, Research & Tech		\$ 1,447,932
Sundberg, Carol	College of Health and Human Services	Unified Clinics		\$ 1,412,316
Bensley, Robert	College of Health and Human Services	School Interdisciplinary Hlth		\$ 1,200,035
Kowalske, Megan	College of Arts and Sciences	Chemistry		\$ 999,972
Magura, Stephen	Vice President for Research	Evaluation Center		\$ 949,780
Yellich, John	College of Arts and Sciences	Geological & Environ Sciences		\$ 780,084



Expenditures

Expenditures

Expenditures in the last half of **FY 2021** increased over **FY 2020** by \$3.3M, with year-end totals for **FY 2021** just 1.1% less than **FY 2020**.

FY 2021 Indirect/F&A percentage has ticked up from prior years.

Year-over-Year Comparison
Total Amount of Expenditures
(in Millions \$)



Expenditures

The **College of Education and Human Development** led expenditures in FY 2021.

Expenditures by College for FY 2021

