

Office of Research and Sponsored Programs

December 8, 2022

TO: Dr. Carine Feyten, Chancellor and President
Dr. O. Finley Graves, Interim Executive Vice President for Academic Affairs and Provost
Jason Tomlinson, Vice President for Finance and Administration
Dr. Monica Mendez-Grant, Vice President for Student Life
Dr. Kimberly Russell, Vice President of University Advancement
Dr. Damon Cottrell, Interim Dean – College of Nursing
Dr. Christopher Ray, Dean – College of Health Sciences
Dr. Lisa Huffman, Dean – College of Professional Education
Dr. Abigail Tilton, Dean – College of Arts and Sciences
Dr. Rama Yelkur, Dean – College of Business
Kristina Kaskel-Ruiz, Vice President, Marketing and Communications
Dr. Holly Hansen-Thomas, Vice Provost for Research, Innovation, and Corporate Engagement

FROM: Tracy Lindsay, Director of Operations
Research and Sponsored Programs

RE: FY 2022 Annual Report on Proposal and Grant Activity for External Funding

Attached is the annual report on TWU's sponsored research, teaching, scholarship, and public service for fiscal year 2022 (September 1, 2021 through August 31, 2022). The report outlines external proposal and award activity through the Office of Research and Sponsored Programs (ORSP).

These sponsored projects encompass many types of activities funded by outside agencies: basic scientific research; applied research in nursing, allied health sciences, social sciences, and other areas; education and training programs in community and business settings; demonstration, model, or pilot projects; and creative activities. Sources of funding include federal, state, and private funding agencies. In addition, the formula funding granted by the federal CARES Act was processed through ORSP and is included in this report.

Proposals for grants and contracts are initiated by TWU faculty or staff and are reviewed by the department chair, director, or associate dean; the dean of the college; the Vice Provost for Research; and the Provost. Occasionally others are included in the review process, depending on the nature of the project or the instructions from the funding source. Proposals range in complexity from a request for support of a few hundred dollars from a professional association to an application for a million-dollar, multi-year project from a federal agency.

This report is divided into several sections. The first section presents varied breakdowns of externally-funded projects by campus, college, department, and principal investigator (or project director). The second section describes the proposals submitted for external funding; the remaining sections provide information about active awards, research expenditures, Comprehensive Research Funds, and facility and administrative (indirect) costs.

e-copy: Dr. Carolyn Kapinus, Dean, Graduate School
Dr. Suzanne Sellers, Dean of Libraries
Dr. Donna Scott Tilley, Associate Dean for Research, Nursing
Dr. Jessica Gullion, Associate Dean for Research, Arts and Sciences
Dr. Noralyn Pickens, Associate Dean for Research, Health Sciences
Dr. Maria Peterson-Ahmed, Associate Dean for Research, Professional Education
Dr. Lee Brown, Director of Research, Business
Barbara Newton, Assistant Controller

**Annual Report on Proposal and Grant Activity
Office of Research and Sponsored Programs**

FY 2022 (September 1, 2021 – August 31, 2022)

I. Externally Funded Grants and Contracts

Total Grants Awarded		Research Grants Awarded	
FY 2013: \$ 8,426,440	54 Awards	FY 2013: \$ 1,206,015	13 Awards
FY 2014: \$ 7,114,862	65 Awards	FY 2014: \$ 1,061,422	23 Awards
FY 2015: \$ 7,450,986	43 Awards	FY 2015: \$ 1,528,188	17 Awards
FY 2016: \$ 6,763,277	57 Awards	FY 2016: \$ 2,593,934	24 Awards
FY 2017: \$ 5,539,645	67 Awards	FY 2017: \$ 2,171,771	32 Awards
FY 2018: \$ 6,959,443	55 Awards	FY 2018: \$ 1,860,891	21 Awards
FY 2019: \$ 6,286,539	59 Awards	FY 2019: \$ 3,331,441	31 Awards
FY 2020: \$ 6,492,616	69 Awards	FY 2020: \$ 3,975,799	42 Awards
FY 2021: \$ 7,135,765	65 Awards	FY 2021: \$ 3,634,535	31 Awards
FY 2022: \$ 8,383,022	80 Awards	FY 2022: \$ 5,093,532	48 Awards

These numbers do not include the formula funding requested and received by the university through the CARES Act; the CARES Act funding is detailed in Section IV. The following section provides a more detailed breakdown of the external grants and contracts received through ORSP during FY 2022 and comparisons with FY 2021.

A. Distribution by College, Department, and Campus

Tables 1-4 illustrate the distribution of grant awards for each college, department, individual faculty member, and campus. For accounting purposes, the award is listed in the department of the principal investigator (PI). In the instances where the co-principal investigator (Co-PI) is from a different department or campus than the PI, the Co-PI's department is shown in parentheses.

**Table 1
Comparison of Funding by College/Other**

	2020-2021	2021-2022
Arts and Sciences	\$2,029,425	\$3,796,267
Health Sciences	\$1,958,700	\$1,951,040
Nursing	\$233,126	\$159,632
Professional Education	\$942,804	\$290,567
Business	\$0	\$50,000
Other	\$1,971,710	\$2,135,516
TOTAL OF ALL AWARDS	\$7,135,765	\$8,383,022

Table 2
Comparison of Funding by College and Department/Division*

	2020-2021	2021-2022
ARTS AND SCIENCES		
Biology	\$1,066,749	\$2,820,628
Chemistry and Biochemistry	\$82,852	\$72,488
English, Speech & Foreign Languages	\$125,860	\$0
Mathematics & Computer Science	\$100,000	\$0
History and Political Science	\$395,000	\$398,979
Psychology and Philosophy	\$0	\$295,450
Social Work	\$258,964	\$208,722
Total Arts and Sciences	\$2,029,425	\$3,796,267
BUSINESS		
Business	\$0	\$50,000
Total Business	\$0	\$50,000
HEALTH SCIENCES		
Communication Sciences and Oral Health	\$392,517	\$391,841
Dental Hygiene	\$0	\$27,412
Health Promotion and Kinesiology	\$464,687	\$568,175
Nutrition and Food Sciences	\$897,210	\$487,580
Nutrition and Food Sciences – Houston	\$0	\$76,615
Occupational Therapy – Dallas	\$25,330	\$0
Occupational Therapy – Denton	\$127,209	\$295,836
Occupational Therapy – Houston	\$18,244	\$17,455
Physical Therapy – Dallas	\$40,000	\$86,126
Physical Therapy – Houston	\$18,833	\$0
Total Health Sciences	\$1,958,700	\$1,951,040
NURSING		
Nursing (Dean’s Office)	\$167,017	\$0
Nursing – Dallas	\$66,109	\$130,931
Nursing – Denton	\$0	\$1,000
Nursing – Houston	\$0	\$27,701
Total Nursing	\$233,126	\$159,632
PROFESSIONAL EDUCATION		
Literacy and Learning	\$339,124	\$0
Teacher Education	\$603,680	\$290,567
Total Professional Education	\$942,804	\$290,567

OTHER		
Blagg-Huey Library	\$729	\$70,185
Career Connections Center	\$0	\$50,000
Center for Research Design and Analysis	\$0	\$40,000
Curriculum and Strategic Initiatives	\$0	\$4,000
Financial Aid	\$0	\$325,000
Institutional Research and Data Management	\$0	\$50,000
Pioneer Center for Student Excellence	\$0	\$748,776
Research & Sponsored Programs	\$300,902	\$294,069
Student Life	\$471,303	\$109,739
Undergraduate Studies & Academic Partnerships	\$748,776	\$0
Woodcock Institute	\$450,000	\$443,747
Total Other	\$1,971,710	\$2,135,516
TOTAL OF ALL AWARDS	\$7,135,765	\$8,383,022

* Departments/Divisions use FY 2022 naming structure.

Table 3
Funding Distribution by College, Department, and Individual Faculty Member 2020-2021

For accounting purposes, the award is listed in the department of the principal investigator (PI). In the instances where the co-principal investigator (Co-PI) is from a different department or campus than the PI, the Co-PI's department is shown in parentheses.

Principal Investigator	Agency	Amount Awarded
ARTS and SCIENCES		
Biology		
Dr. Christopher Brower & Winnie Lokuso	HHS – National Institutes of Health	\$72,067
Dr. Ann Davis	Texas Higher Education Coordinating Board	\$1,080
Dr. Ann Davis	Joint Admission Medical Program Council	\$22,488
Dr. Diana Elrod, Dr. Karen Dunlap (Teacher Education), Dr. David Gardner (Computer Science), & Dr. Robby Petros (Chemistry & Biochemistry)	National Science Foundation	\$201,628
Dr. Diana Elrod, Dr. Karen Dunlap (Teacher Education), Dr. David Gardner (Computer Science), Dr. Robby Petros (Chemistry & Biochemistry) & Dr. Jorg Waltje (Center for Faculty Excellence)	National Science Foundation	\$494,068
Dr. Zane Lybrand	DOD – Department of Defense	\$149,633
Dr. Zane Lybrand	DOD – Department of Defense	\$89,870
Dr. Zane Lybrand	DOD – Department of Defense	\$150,000
Dr. Catalina Pislariu	National Science Foundation	\$125,882
Dr. Juliet Spencer, Dr. Diana Elrod, Dr. Stephanie Pierce, & Dr. Jessica Gullion	National Science Foundation	\$1,500,000

Dr. Juliet Spencer & Dr. Jian Zhang (Computer Science)	HHS – Health and Human Services	\$36,400
Subtotal Biology		\$2,843,116
Chemistry and Biochemistry		
Dr. Richard Sheardy	Welch Foundation	\$50,000
Subtotal Chemistry and Biochemistry		\$50,000
Psychology and Philosophy		
Dr. Elisa Na	HHS – National Institutes of Health	\$295,450
Subtotal Psychology and Philosophy		\$295,450
History and Political Science		
Dr. Jim Alexander	State of Texas	\$380,000
Dr. Christina Bejarano	Rutgers, The State University of New Jersey	\$18,979
Subtotal History and Political Science		\$398,979
Social Work		
Dr. Emarely Rosa-Davila	HHS - Administration for Children and Families	\$208,722
Subtotal Social Work		\$208,722
Total Arts and Sciences		\$3,796,267

BUSINESS		
Business		
Dr. Rama Yelkur, Dr. Rigoberto Delgado, Dr. Kittipong Boonme	US Department of Education	\$50,000
Subtotal Business		\$50,000
Total Business		\$50,000

HEALTH SCIENCES		
Communication Sciences and Oral Health		
Dr. Tamby M. Allman	U.S. Department of Education	\$248,630
Dr. Erika Armstrong and Paula Chance	Texas Education Agency	\$143,211
Subtotal Communication Sciences and Oral Health		\$391,841
Dental Hygiene		
Professor Charlene Dickinson	Cancer Prevention and Research Institute of Texas	\$27,142
Subtotal Dental Hygiene		\$27,412
Health Promotion and Kinesiology		
Dr. Mandy Golman and Dr. Nila Ricks (School of Social Work, Psychology and Philosophy)	HHS – Office of Adolescence and Pregnancy Prevention	\$171,344
Dr. Suzanna Dillon, Dr. Erika Armstrong (Communication Sciences and Oral Health)	U.S. Department of Education	\$245,214
Dr. Suzanna Dillon	U.S. Department of Education	\$150,617
Ms. Noelle Tuttle & Dr. Young-Hoo Kwon	International Society of Biomechanics	\$1,000
Subtotal Health Promotion and Kinesiology		\$568,175

Nutrition & Food Sciences		
Dr. Shane Broughton & Dr. Jyutika Mehta (Communication Sciences and Disorders)	City of Denton	\$58,800
Dr. Shane Broughton & Dr. Jyutika Mehta (Communication Sciences and Disorders)	Superbrewed Food Inc.	\$29,886
Dr. Kathleen Davis & Dr. Cynthia Warren	US Department of Agriculture	\$224,194
Dr. Xiaofen Du	US Department of Agriculture	\$17,907
Dr. Xiaofen Du	Century Snacks, LLC	\$5,705
Dr. Xiaofen Du	Century Snacks, LLC	\$5,705
Dr. Xiaofen Du	Simply Foods, LLC	\$7,760
Dr. Xiaofen Du	Artemys Foods	\$17,620
Dr. Xiaofen Du	Century Snacks, LLC	\$5,705
Dr. Xiaofen Du	Simply Foods, LLC	\$1,600
Dr. Xiaofen Du	Firmenich Aromatics	\$73,062
Dr. Helen Everts	HHS – National Institutes of Health	\$39,636
Subtotal Nutrition & Food Sciences		\$487,580
Nutrition & Food Sciences – Houston		
Dr. Derek Miketinas	Reckitt/Mead Johnson Nutrition	\$57,415
Dr. Mindy Patterson	MSP Starch Products Inc.	\$19,200
Subtotal Nutrition & Food Sciences – Houston		\$76,615
Occupational Therapy (OT) – Denton		
Dr. Claudette Fette & Dr. Cynthia Evetts	Moody Foundation	\$235,000
Dr. Noralyn Pickens	TWU Foundation – Jean A. Spencer Foundation	\$5,466
Dr. Suzanne Burns	HHS – Administration for Community Living	\$55,370
Subtotal OT - Denton		\$295,836
Occupational Therapy (OT) – Houston		
Dr. Patricia Bowyer	HHS – Health Resources and Services Administration	\$17,455
Subtotal OT – Houston		\$17,455
Physical Therapy (PT) – Dallas		
Dr. Hui-Ting Goh	DOD – Department of Defense	\$72,312
Dr. Alyssa LaForme Fiss	Academy of Pediatric Physical Therapy	\$3,558
Dr. Sharon Wang-Price	American Academy of Orthopaedic Manual Physical Therapist	\$6,000
Dr. Sharon Wang-Price, Ms. Carissa Stoddard, and Dr. Mark Weber	Texas Physical Therapy Foundation	\$4,256
Subtotal Physical Therapy – Dallas		\$86,126
Total Health Sciences		\$1,951,040
NURSING		
Nursing – Dallas		
Dr. Jennifer Woo	HHS – National Institutes of Health	\$130,931
Subtotal Nursing – Dallas		\$130,931

Nursing – Denton		
Dr. Damon Cottrell, Dr. Stephanie Evans, and Mr. Phillip Atchison	Sigma Theta Tau International	\$1,000
Subtotal Nursing – Denton		\$1,000
Nursing – Houston		
Dr. Sandra Cesario & Stella Dike	Oncology Nursing Society Foundation	\$2,000
Dr. Judith McFarlane	HSS – National Institutes of Health	\$25,701
Subtotal Nursing – Houston		\$27,701
Total Nursing		\$159,632

PROFESSIONAL EDUCATION		
Teacher Education		
Dr. Gina Anderson & Dr. Lisa Huffman	Texas Higher Education Coordinating Board	\$104,464
Dr. Gina Anderson, Dr. Rebeca Fredrickson, & Dr. Sarah McMahan	US Department of Education	\$50,000
Dr. Rebecca Fredrickson & Dr. Sarah McMahan	US Department of Education	\$136,103
Subtotal Teacher Education		\$290,567
Total Professional Education		\$290,567

OTHER		
Blagg-Huey Library		
Ms. Kristine Reed	Institute of Museum and Library Services	\$210
Ms. Amanda Zerangue & Adrian Shapiro	Insitute of Museum and Lbraray Services	\$69,975
Subtotal Blagg-Huey Library		\$70,185
Career Connections Center		
Brookelyn Bush & Dr. Stephanie Krauth	US Department of Education	\$50,000
Subtotal Career Connections Center		\$50,000
CRDA		
Dr. Paul Yeatts	HHS – Office of Minority Health	\$40,000
Dr. Wanyi Wang	HHS – National Institutes of Health	\$4,105
Subtotal CRDA		\$44,105
Curriculum and Strategic Initiatives		
Dr. Jorge Figueroa	Greater Texas Foundation	\$4,000
Subtotal Curriculum and Strategic Initiatives		\$4,000
Financial Aid		
Ms. Lacey Thompson & Dr. Monica Mendez-Grant	US Department of Education	\$75,000
Ms. Lacey Thompson	US Department of Education	\$250,000
Subtotal Financial Aid		\$325,000
Institutional Research and Data Management		
Dr. Mark Hamner, Greg Gengo & Grace Chalon	US Department of Education	\$50,000
Subtotal Institutional Research and Data Management		\$50,000

Pioneer Center for Student Excellence		
Dr. Joshua Adams	US Department of Education	\$50,000
Dr. Juan Armijo & Dr. Joshua Adams	US Department of Education	\$175,000
Dr. Theresa Lindsay & Dr. Joshua Adams	US Department of Education	\$261,888
Dr. Theresa Lindsay & Dr. Joshua Adams	US Department of Education	\$261,888
Subtotal Pioneer Center for Student Excellence		\$748,776
Research & Sponsored Programs		
Dr. Holly Hansen-Thomas	U.S. Department of Education	\$289,964
Subtotal Research & Sponsored Programs		\$289,964
Student Life		
Dr. Stephanie Brown & Ms. Amy Allison	U.S. Department of Justice	\$57,856
Dr. Monica-Mendez-Grant, Dr. Stephanie Krauth & Dr. Becky Rodriguez	Texas Higher Education Coordinating Board	\$51,882
Ms. Amy Eileen O'Keefe & Dr. Catherine Dutton (Human Development, Family Studies, and Counseling)	U.S. Department of Education	\$1
Subtotal Student Life		\$109,739
Woodcock Institute		
Dr. Daniel Miller	TWU Foundation – Richard W. Woodcock Endowment Fund	\$435,000
Dr. Daniel Miller & Dr. Nila Ricks	University of North Texas	\$8,747
Subtotal Woodcock Institute		\$443,747
Total Other		\$2,135,516
TOTAL OF ALL AWARDS		\$8,383,022

**Table 4
Comparison of Funding by Campus**

Location	2020-2021	2021-2022
Dallas Campus	\$106,109	\$217,057
Denton Campus	\$6,992,579	\$8,044,194
Houston Campus	\$37,077	\$121,771
TOTAL	\$7,135,765	\$8,383,022

B. Distribution by Funding Source

Tables 5 and 6 provide a breakdown of funding by agency type.

**Table 5
Comparison of Funding by Type of Funding Source**

	2020-2021		2021-2022	
Federal	\$5,240,876	73.5%	\$6,595,021	78.67%
Private	\$1,059,001	14.8%	\$970,938	11.58%
State	\$773,288	10.8%	\$739,284	8.82%
Other	\$62,600	0.9%	\$77,779	0.93%
TOTAL	\$7,135,765	100.0%	\$8,383,022	100.0%

**Table 6
External Funding Agencies Supporting Research and Sponsored Projects at TWU during FY 2022**

Agency	# of awards	Total Amount
FEDERAL FUNDING		
DOD – Department of Defense	4	\$461,815
HHS – Administration for Children and Families	1	\$208,722
HHS – Administration for Community Living	1	\$55,370
HHS – Health and Human Services	1	\$36,400
HHS – Health Resources & Services Administration	1	\$17,455
HHS – National Institutes of Health	8	\$567,890
HHS – Office of Adolescence and Pregnancy	2	\$171,344
HHS – Office of Minority Health	1	\$40,000
Institute of Museum and Library Services	2	\$70,185
National Science Foundation	4	\$2,321,578
U.S. Department of Agriculture	2	\$242,101
U.S. Department of Education	16	\$2,344,305
U.S. Department of Justice	1	\$57,856
TOTAL FEDERAL FUNDING	44	\$6,595,021
PRIVATE FUNDING		
Academy of Pediatric Physical Therapy	1	\$3,558
American Academy of Orthopaedic Manual Physical Therapist	1	\$6,000
Artemys Foods	1	\$17,620
Century Snacks, LLC	3	\$17,115
Firmenich Aromatics	1	\$73,062
Greater Texas Foundation	1	\$4,000
International Society of Biomechanics	1	\$1,000
Moody Foundation	1	\$235,000
MSP Starch Foods, Inc	1	\$19,200

PRIVATE FUNDING		
Oncology Nursing Society Foundation	1	\$2,000
Reckitt/Mead Johnson Nutrition	1	\$57,415
Sigma Theta Tau International	1	\$1,000
Simply Foods, LLC	2	\$9,360
Superbrewed Food Inc.	1	\$29,886
Texas Physical Therapy Foundation	1	\$4,256
TWU Foundation – Jean A. Spencer Research Award	1	\$5466
TWU Foundation – Richard W. Woodcock Endowment Fund	1	\$435,000
Welch Foundation	1	\$50,000
TOTAL PRIVATE FUNDING	21	\$970,938

STATE FUNDING		
Cancer Prevention and Research Institute of Texas	1	\$27,412
Joint Admission Medical Program Council	5	\$22,488
State of Texas	1	\$380,000
Texas Education Agency	1	\$143,211
Texas Higher Education Coordinating Board	3	\$157,426
University of North Texas	1	\$8,747
TOTAL STATE FUNDING	12	\$739,284

OTHER FUNDING		
City of Denton	2	\$58,800
Rutgers, The State University of New Jersey	1	\$18,979
TOTAL OTHER FUNDING	3	\$77,779

TOTAL	80	\$8,383,022
--------------	-----------	--------------------

C. Distribution by Project Type

Table 7 provides a breakdown of funding by project type. State accountability measures focus on research funding and related expenditures.

**Table 7
Comparison of Awards by Project Type**

	2020-2021		2021-2022	
	Number of Awards	Amount of Awards	Number of Awards	Amount of Awards
Institutional Support	4	\$286,000	5	\$229,000
Instruction	16	\$1,805,102	18	\$1,925,113
Research	31	\$3,634,535	48	\$5,093,532
Scholarship or Fellowship	5	\$521,912	4	\$696,310
Service	9	\$888,216	5	\$439,067
TOTAL	65	\$7,135,765	80	\$8,383,022

II. Proposals Submitted for External Funding

Total Proposals Submitted (All Types)

FY 2013: \$ 12,365,076	73 Submitted
FY 2014: \$ 34,950,606	74 Submitted
FY 2015: \$ 22,773,865	83 Submitted
FY 2016: \$ 28,084,897	87 Submitted
FY 2017: \$ 30,020,496	102 Submitted
FY 2018: \$ 39,398,483	112 Submitted
FY 2019: \$ 34,062,653	116 Submitted
FY 2020: \$ 28,911,248	111 Submitted
FY 2021: \$ 31,697,560	106 Submitted
FY 2022: \$ 31,865,464	121 Submitted

Research Proposals Submitted

FY 2013: \$ 6,982,672	46 Submitted
FY 2014: \$ 13,756,834	45 Submitted
FY 2015: \$ 14,119,690	60 Submitted
FY 2016: \$ 15,329,988	56 Submitted
FY 2017: \$ 22,689,597	66 Submitted
FY 2018: \$ 30,869,118	80 Submitted
FY 2019: \$ 23,776,695	90 Submitted
FY 2020: \$ 20,905,910	88 Submitted
FY 2021: \$ 26,047,917	79 Submitted
FY 2022: \$ 22,761,532	91 Submitted

Following is a more detailed breakdown of proposals submitted in FY 2022 compared with the previous fiscal year.

Table 8
Comparison of Proposal Submissions by Type of Funding Source

	2020-2021		2021-2022	
	Number of Proposals	Amount Requested	Number of Proposals	Amount Requested
Federal	60	\$26,821,664	65	\$28,756,222
State	3	\$512,479	7	\$920,271
Private	40	\$4,183,417	47	\$2,167,471
Other	3	\$180,000	2	21,500
TOTAL	106	\$31,697,560	121	\$31,865,464

Table 9
Comparison of Proposal Submissions by Project Type

	2020-2021		2021-2022	
	Number of Proposals	Amount Requested	Number of Proposals	Amount Requested
Institutional Support	2	\$151,400	4	\$179,000
Instruction	10	\$3,256,624	13	\$6,782,898
Research	79	\$26,047,917	91	\$22,761,532
Scholarship or Fellowship	4	\$1,357,538	6	\$1,404,766
Service	11	\$884,081	7	\$737,268
TOTAL	106	\$31,697,560	121	\$31,865,464

Table 10
Comparison of Proposal Submissions by College

	2020-2021		2021-2022	
	Number of Proposals	Amount Requested	Number of Proposals	Amount Requested
Arts and Sciences	36	\$12,994,749	38	\$10,647,932
Business	0	\$0	4	\$2,143,025
Health Sciences	35	\$4,158,123	42	\$4,320,097
Nursing	14	\$7,405,207	13	\$5,445,339
Other	12	\$1,660,407	15	\$4,507,620
Professional Education	9	\$5,479,074	9	\$4,801,451
TOTAL	106	\$31,697,560	21	\$31,865,464

Tables 11 and 12 provide the funding rate for the proposals submitted for the past 5 fiscal years.

Table 11
Funding Rate of All Proposals Submitted

	Total # Submitted	Proposals Awarded	Proposals Not Awarded	Funding Rate
FY 2017	102	38	64	37.25%
FY 2018	112	31	81	27.68%
FY 2019	116	40	76	34.48%
FY 2020	111	37	74	33.33%
FY 2021	106	39	67	36.79%
FY 2022	121	*	*	*

* Data not yet complete

Table 12
Funding Rate of All Research Proposals Submitted

	Total # Submitted	Proposals Awarded	Proposals Not Awarded	Funding Rate
FY 2017	66	18	48	27.27%
FY 2018	80	18	62	22.50%
FY 2019	90	23	67	25.56%
FY 2020	88	23	65	26.14%
FY 2021	79	22	57	27.85%
FY 2022	90	*	*	*

* Data not yet complete

Table 13
Funding Rate of Federal Proposals Submitted

	Total # Submitted	Proposals Awarded	Proposals Not Awarded	Funding Rate
FY 2017	51	16	35	31.37%
FY 2018	47	12	35	25.53%
FY 2019	51	14	37	27.45%
FY 2020	64	19	45	29.69%
FY 2021	60	23	37	38.33%
FY 2022	65	*	*	*

* Data not yet complete

III. Active Projects

Table 14 provides the total amount of active grants each fiscal year by project type based on the beginning date and end date of a budget period.

Table 14
Active Awards

	Research	Instruction	Scholarship/ Fellowship	Service	Institutional Support	TOTAL
FY 2017	\$6,400,793	\$6,171,607	\$2,151,085	\$1,760,642	\$211,356	\$16,695,483
FY 2018	\$7,552,526	\$5,459,015	\$2,434,623	\$1,555,583	\$130,000	\$17,161,747
FY 2019	\$6,546,796	\$4,547,425	\$2,095,340	\$1,519,701	\$122,000	\$14,831,262
FY 2020	\$8,203,169	\$2,670,200	\$1,259,370	\$1,267,566	\$92,582	\$13,492,887
FY 2021	\$9,023,605	\$3,412,815	\$1,022,343	\$1,538,158	\$328,582	\$15,325,503
FY 2022	\$11,709,159	\$3,766,561	\$1,624,146	\$1,045,442	\$1,252,855	\$19,398,163

IV. CARES Funding

Beginning in spring 2020, TWU applied for and received formula funding through the CARES Act: Higher Education Emergency Relief Fund (HEERF). The HEERF provided fast and direct economic aid to the American people negatively impacted by the COVID-19 pandemic and could be used to cover costs associated with significant changes to the delivery of instruction due to the coronavirus and expand support for students with the most significant financial needs arising from the coronavirus pandemic. These funds are primarily managed through the Office of the Controller.

V. Research Expenditures

Research expenditures include all funds spent by TWU to support research. The Texas Higher Education Coordinating Board's accountability system includes research activity among its indicators. Four state accountability measures relate to the amount of research expenditures reported. The first column below shows total research expenditures, including state-appropriated research funds, indirect costs, external awards, and pass-through funds to other entities with whom TWU collaborates on projects as reported on the Research Expenditure Survey to the National Science Foundation.

Total Research Expenditures

FY 2012: \$ 3,853,991
 FY 2013: \$ 2,562,078
 FY 2014: \$ 2,497,818
 FY 2015: \$ 2,199,947
 FY 2016: \$ 2,878,451
 FY 2017: \$ 3,937,973
 FY 2018: \$ 4,821,988
 FY 2019: \$ 4,252,624
 FY 2020: \$ 4,134,695
 FY 2021: \$ 4,672,948
 FY 2022: \$ 5,781,043

Federal Research Expenditures

FY 2012: \$ 1,908,240
 FY 2013: \$ 1,136,427
 FY 2014: \$ 960,889
 FY 2015: \$ 722,307
 FY 2016: \$ 573,354
 FY 2017: \$ 944,627
 FY 2018: \$ 1,040,465
 FY 2019: \$ 1,864,021
 FY 2020: \$ 1,700,481
 FY 2021: \$ 1,513,645
 FY 2022: \$ 2,091,124

VI. Comprehensive Research Funds (CRF)

The Texas comprehensive research fund provides funding from the Texas Higher Education Coordinating Board per [Subchapter E, Sec. 62.091 of the Texas Education Code](#) to promote increased research capacity. The amount is appropriated based on the average amount of restricted research funds expended by each institution per year for the three preceding state fiscal years.

Fiscal Year	Restricted Expenditures	Amount of CRF
FY 2012	\$1,406,182	\$133,076
FY 2013	\$1,521,421	\$133,076
FY 2014	\$1,381,269	\$146,731
FY 2015	\$1,151,951	\$146,731
FY 2016	\$1,331,324	\$135,042
FY 2017	\$1,790,835	\$135,042
FY 2018	\$2,244,224	\$107,572
FY 2019	\$3,554,493	\$107,572
FY 2020	\$3,062,936	\$152,152
FY 2021	\$2,943,320	\$152,152
FY 2022	\$3,203,401	\$240,825

VII. Facilities and Administrative (Indirect) Costs

TWU's on-campus federally-negotiated facilities and administrative (F&A) rate during FY 2021 was 42.7% of salaries and wages. The amount of F&A recovered for FY 2012 – FY 2021 is listed below.

FY 2013 \$ 453,650.30
 FY 2014 \$ 521,994.51
 FY 2015 \$ 567,325.97
 FY 2016 \$ 604,431.60
 FY 2017 \$ 544,562.26
 FY 2018 \$ 480,409.03
 FY 2019 \$ 395,008.33
 FY 2020 \$ 322,245.29
 FY 2021 \$ 363,957.41
 FY 2022 \$ 481,529.80