Kentucky Public Universities

FY 2022-24 Bucks For Brains Allocation and Usage Research Challenge Trust Fund and Comprehensive University Excellence Trust Fund Summary Data by Sector

Total State Matching Funds Available by Eligible Use

	MIN Funds for chairs, professorships, or research scholars, or research staff and infrastructure	graduate fellowships or	Total
Research	\$21,000,000	\$9,000,000	\$30,000,000
Comprehensive	\$5,000,000	\$5,000,000	\$10,000,000
Total	\$26,000,000	\$14,000,000	\$40,000,000

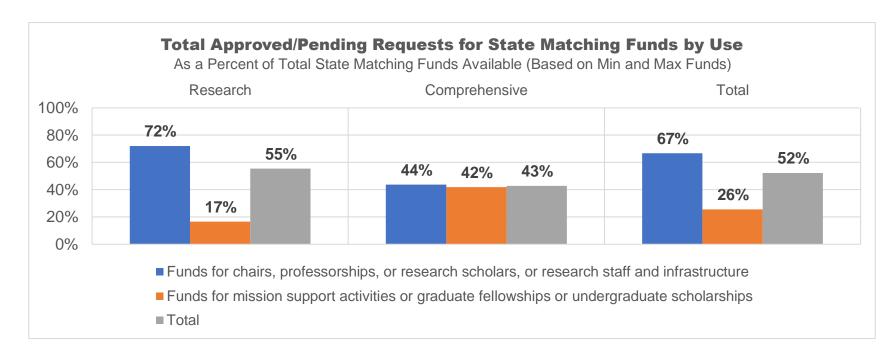
Total Approved & Pending State Matching Fund Requests by Eligible Use

	research staff and	support activities or graduate fellowships or	Total
Research	\$15,141,514	\$1,485,000	\$16,626,514
Comprehensive	\$2,185,250	\$2,090,396	\$4,275,646
Total	\$17,326,764	\$3,575,396	\$20,902,160

Total Remaining State Matching Funds Available by Eligible Use

	MIN Funds for chairs, professorships, or research scholars, or research staff and infrastructure	graduate fellowships or	Total
Research	\$5,858,487	\$7,515,000	\$13,373,487
Comprehensive	\$3,148,650	\$2,575,704	\$5,724,354
Total	\$9,007,137	\$10,090,704	\$19,097,840

Attachment A



--> As Percent of Total State Matching Funds Available

Total	67%	26%	52%
Comprehensive	44%		
Research	72%	17%	55%
	<i>infrastructure</i>	scholarships	Total
	scholars, or research staff and	fellowships or	
	research	or graduate	
	professorships, or		
	Funds for chairs,		

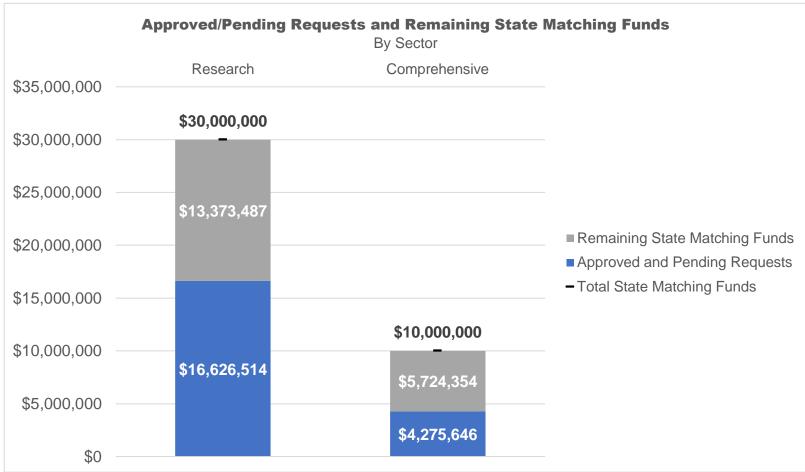
	Chairs	Professorships	Research Scholars	Research Staff	Research Infrastructure	Graduate Fellowships	Undergraduate Scholarships	
Research	6	12	0	0	1	3	0	5
Comprehensive	0	12	0	4	4	3	22	2
Total	6	24	0	4	5	6	22	7

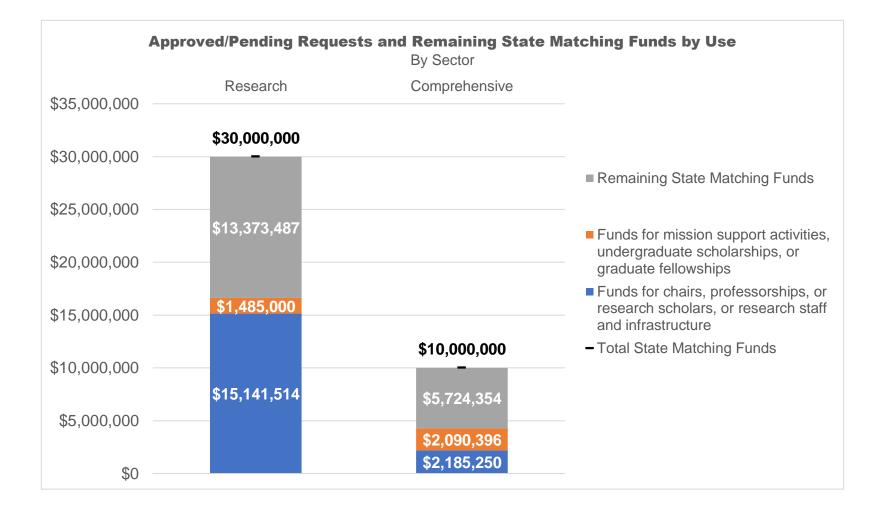
Kentucky Public Universities: Summary Charts

	Approved and	Remaining State	Total State
	Pending Requests	Matching Funds	Matching Funds
Research	\$16,626,514	\$13,373,487	\$30,000,000
Comprehensive	\$4,275,646	\$5,724,354	\$10,000,000
Total	\$20,902,160	\$19,097,840	\$40,000,000

	Funds for chairs, professorships, or research scholars, or research staff and infrastructure	undergraduate scholarships, or graduate	Remaining State Matching Funds
Research	\$15,141,514	\$1,485,000	\$13,373,487
Comprehensive	\$2,185,250	\$2,090,396	\$5,724,354
Total	\$17,326,764	\$3,575,396	\$19,097,840

Total State
Matching
Funds
\$30,000,000
\$10,000,000
\$40,000,000





Attachment A

University of Kentucky

FY 2022-24 Bucks For Brains Allocation and Usage Research Challenge Trust Funds



Attachment B

Total State Matching Funds Available by Eligible Use

MIN Funds for		
chairs,		
professorships, or	MAX Funds for	
research scholars,	mission support	Total state
or research staff	activities or graduate	matching funds
and infrastructure	fellowships	available
\$14,000,000	\$6,000,000	\$20,000,000

Approved/Pending State Matching Fund Requests by Eligible Use

	Approved/Pending	g State Matching Fund F	requests by Eligi
	Funds for chairs,		
	professorships, or		
	research scholars,	Funds for mission	
	or research staff	support activities or	
Endowment Name	and infrastructure	graduate fellowships	Total approved
John R. van Nagell Chair in Gynecology Oncology		·	\$800,000
Katharine and Mike Ball Professor of Transplant	\$800,000 \$500,000		\$500,000
Coaches for Kids Foundation Endowed Research Professorship in Child	φ500,000		\$500,000
Abuse Pediatrics	¢275 000		\$275,000
Constance L. Wood Graduate Fellowship in Statistics	\$275,000	\$50,000	
Barnstable Brown Diabetes and Obesity Research Endowed		φου,υυυ	\$50,000
Professorship	¢200,000		#200,000
Willie Barnstable Faculty Excellence Fund	\$200,000		\$200,000
	Ф4.F0.000	\$200,000	
Lon R. Hays, M.D. and Ann A. Hays, M.D. Professorship for Addictions	\$150,000		\$150,000
Price Family Research Endowment for Pediatric Health Equity		\$25,000	\$25,000 \$72,500
Allan and Ginger Brown Aerospace Faculty Excellence Fund		\$72,500	\$72,500
CHET Training Program Support Endowed Fund Lighthouse Beacon Foundation Endowment for Research and Graduate		\$50,000	\$50,000
		• • • • • • • •	•
Education	\$2,537,500		{
Goodman Family Chair in Pediatric Forensic Medicine	\$1,000,000		\$1,000,000
Sally Humphrey Professorship in Cancer Health Equity	\$100,000		\$100,000
Stanley and Karen Pigman Heritage Science Professorship	\$616,834		\$616,834
Cambron Family Distinguished Research Professor in Adolescent Mental			
Health	\$500,000		\$500,000
Bill and Donna Shively Endowed Pediatric Research Professorship	\$250,000		\$250,000
Martin-Gatton College of Agriculture, Food and Environment Innovation			
Fund	\$5,000,000		\$5,000,000
Total approved requests	\$11,929,334	\$1,485,000	\$13,414,334

Remaining State Matching Funds Available by Eligible Use

MIN Funds for chairs,			
professorships, or	MAX Funds	s for	
research scholars,			
or research staff	activities or	graduate	
and infrastructure	fellowships		Total remaining
\$2,070,667		\$4,515,000	\$6,585,667

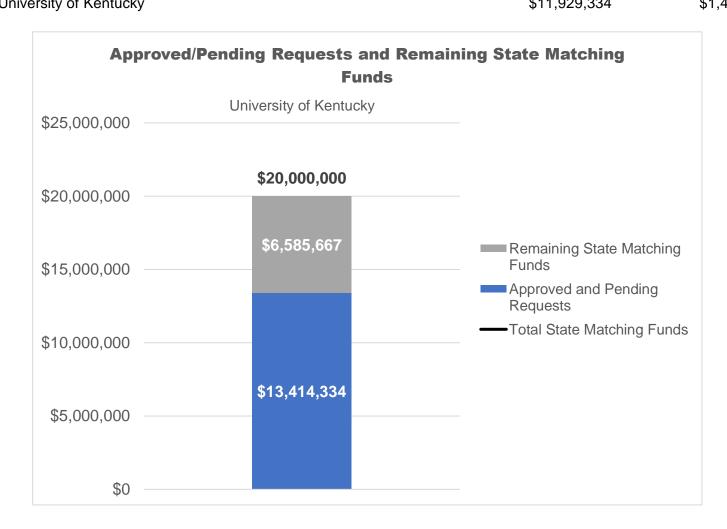
MAX Funds for chairs, professorships, or research scholars, or research staff and infrastructure \$6,585,667

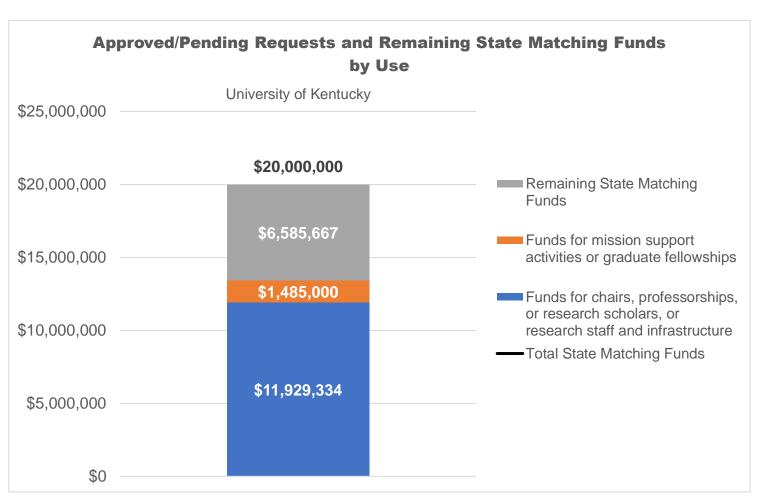
Chairs	Professorships	Research Scholars	Research Staff	Research Infrastructure	Graduate Fellowships	Undergraduate Scholarships	Mission Support
Χ	X						
	Х						
					Χ		***************************************
	X						
							Χ
	X	<u> </u>					X
		 					X
					Χ		Χ
X	X			X	Х		X
Χ							
	X						
	X	 					
	X						
	Χ						
Х	X						
4	10	0	0	1	3	0	5

University of Kentucky: Summary Charts

Sinversity of Remarks, Summary Smarte			
	Approved and	Remaining State	Total State
	Pending Requests	Matching Funds	Matching Funds
University of Kentucky	\$13,414,334	\$6,585,667	\$20,000,000

	Funds for chairs, professorships, or			
	research scholars,	Funds for mission		Total State
	or research staff	support activities or	Remaining State	Matching
	and infrastructure	graduate fellowships	Matching Funds	Funds
University of Kentucky	\$11,929,334	\$1,485,000	\$6,585,667	\$20,000,000





Attachment B

University of Louisville

FY 2022-24 Bucks For Brains Allocation and Usage Research Challenge Trust Funds



Attachment C

Total State Matching Funds Available by Eligible Use

MIN Funds for		
chairs,		
professorships, or	MAX Funds for	
research scholars,	mission support	Total state
or research staff	activities or graduate	matching funds
and infrastructure	fellowships	available
\$7,000,000	\$3,000,000	\$10,000,000

Approved/Pending State Matching Fund Requests by Eligible Use

		support activities or	
Endowment Name	and infrastructure	graduate fellowships	Total approved
Donald Miller Endowed Professorship in Cancer Computational Biology	\$500,000		\$500,000
John Trent, Ph.D. Endowed Professorship in Bioinformatics	\$500,000		\$500,000
Carolyn Siler Browning Endowed Chair in Immunogenomics	\$1,000,000		\$1,000,000
Samuel C. Robinson Endowed Chair in Nano-Enabled Medicine and			
Healthcare	\$1,212,180		\$1,212,180
Total approved requests	\$3,212,180	\$0	\$3,212,180

Remaining State Matching Funds Available by Eligible Use

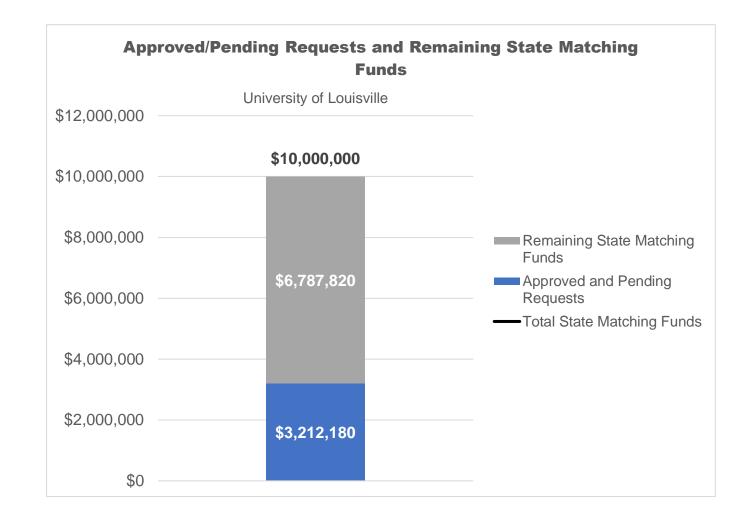
MIN Funds for		
chairs,		
professorships, or	MAX Funds for	
research scholars,	mission support	
or research staff	activities or graduate	
and infrastructure	fellowships	Total remaining
\$3,787,820	\$3,000,000	\$6,787,820

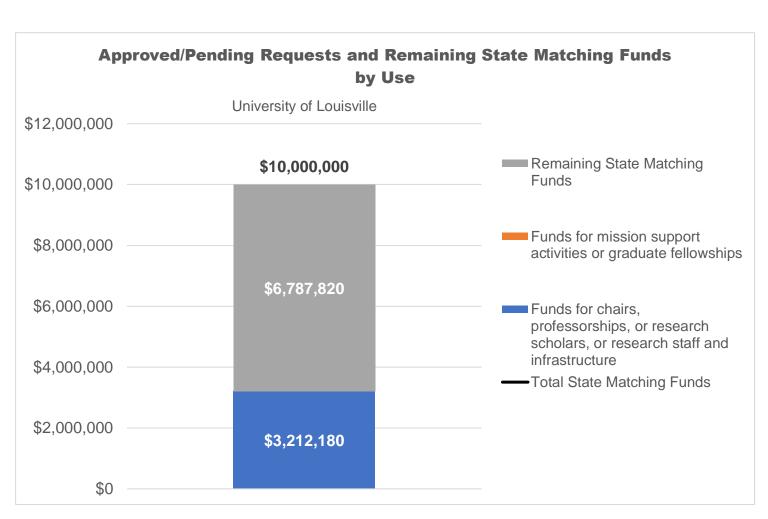
MAX Funds for chairs, professorships, or research scholars, or research staff and infrastructure \$6,787,820

2	2	0	0	0	0	0	0
Х							
X							
Į	X						
	X						
Chairs	Professorships	Research Scholars	Research Staff	Research Infrastructure	Graduate Fellowships	Undergraduate Scholarships	Mission Support

University of Louisville: Summary Charts

University of Louisville	Approved and Pending Reques	Remaining State sts Matching Funds 80 \$6,787,820	Total State Matching Funds \$10,000,000	
	Funds for chairs professorships,	, , ,	, , , , , , , , , , , , , , , , , , ,	Total St
	or research staff and infrastructur	• •	Remaining State Matching Funds	Matchin Funds
University of Louisville	\$3,212,1	80 \$0	\$6,787,820	\$10,000





Attachment C

Eastern Kentucky University

FY 2022-24 Bucks For Brains Allocation and Usage Comprehensive University Excellence Trust Fund



Total State Matching Funds Available by Eligible Use

-	, , ,
MAX Funds for	
mission support	
activities or	
graduate	
fellowships or	
undergraduate	Total state matching
scholarships	funds available
\$1,113,900	\$2,227,800
	mission support activities or graduate fellowships or undergraduate scholarships

Approved/Pending State Matching Fund Requests by Eligible Use

	Approved/Feriality	y State Matching i un	u nequests by Eligible
		Funds for mission	
		support activities or	
	Funds for chairs,	graduate	
	professorships, or	fellowships or	
	research staff and	undergraduate	
Endowment Name	infrastructure	scholarships	Total approved
Commonwealth Credit Union Endowment	\$250,000		\$250,000
College of Science Endowment for Faculty Success		\$25,000	\$25,000
Anthem Rural Medicine Scholarship (ARMS)		\$100,000	\$100,000
Dr. Suzanne Bird Endowed Scholarship		\$109,446	\$109,446
Dr. Yoshihiko and Betty Yagi Endowed Scholarship		\$25,000	\$25,000
Total approved requests	\$250,000	\$259,446	\$509,446

Remaining State Matching Funds Available by Eligible Use

MAX Funds for mission support

MIN Funds for activities or chairs, graduate professorships, or fellowships or research staff and undergraduate infrastructure scholarships Total remaining

\$863,900 \$854,454 \$1,718,354

MAX Funds for chairs, professorships, or research scholars, or research staff and infrastructure \$1,718,354

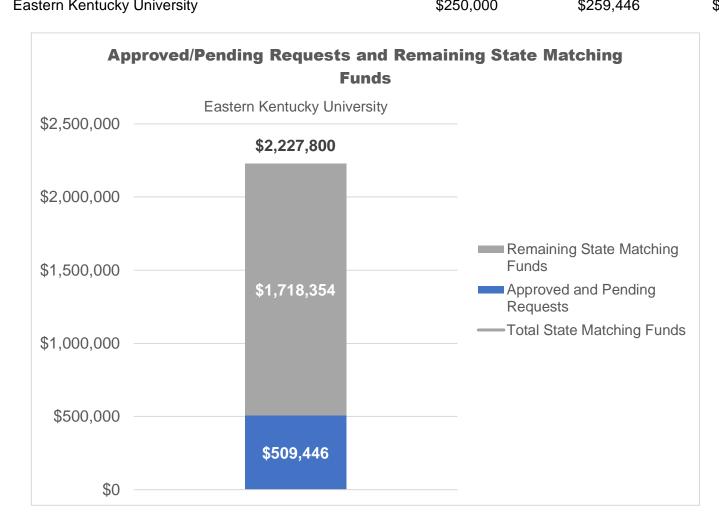
Attachment D

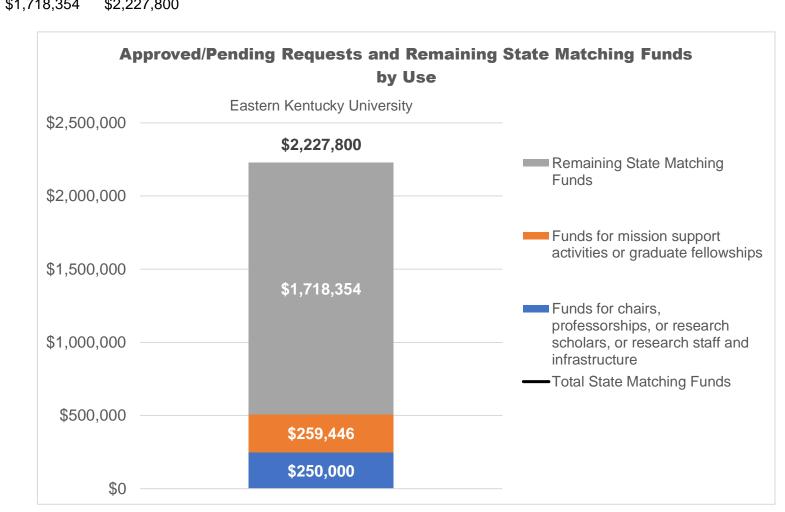
Chairs	Professorships	Research Scholars	Research Staff	Research Infrastructure	Graduate Fellowships	Undergraduate Scholarships	Mission Support
	X						
							X
					Χ		
)						X	
			(**************************************			Χ	
0	1	0	0	0	1	2	1

Eastern Kentucky University: Summary Charts

	Juli 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	Approved and	Remaining State	Total State Matching
	Pending Requests	Matching Funds	Funds
Eastern Kentucky University	\$509,446	\$1,718,354	\$2,227,800

	Funds for chairs,		
	professorships, or		
	research scholars, Funds for m	nission	Total State
	or research staff support acti	vities or Remaining State	Matching
	and infrastructure graduate fe	llowships Matching Funds	Funds
Fastern Kentucky University	\$250,000	\$259.446 \$1.718.354	\$2 227 800

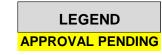




Attachment D

Kentucky State University

FY 2022-24 Bucks For Brains Allocation and Usage Comprehensive University Excellence Trust Fund



Attachment E

Total State Matching Funds Available by Eligible Use

		·
	MAX Funds for	
	mission support	
MIN Funds for	activities or	
chairs,	graduate	
professorships, or	fellowships or	
research staff and	undergraduate	Total state matching
infrastructure	scholarships	funds available
\$333,900	\$333,900	\$667,800

Approved/Pending State Matching Fund Requests by Eligible Use

	Funds for chairs, professorships, or	Funds for mission support activities or graduate fellowships or	
Endowment Name	research staff and infrastructure	undergraduate scholarships	Total approved
Endowed Professorship in STEM+H (i.e.,		•	
College of Engineering Endowed Fund)	\$667,800		\$667,800
Total approved requests	\$667,800	\$0	\$667,800

Remaining State Matching Funds Available by Eligible Use

•	•			
	MAX Funds for			
	mission support			
MIN Funds for	activities or			
chairs,	graduate			
professorships	, or fellowships or			
research staff a	and undergraduate			
infrastructure	scholarships		Total remaining	
Minimum	met	\$0		\$0

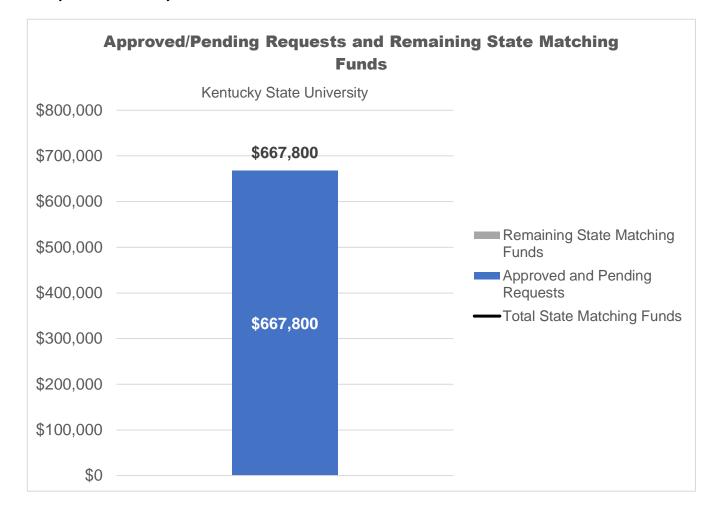
MAX Funds for chairs, professorships, or research scholars, or research staff and infrastructure

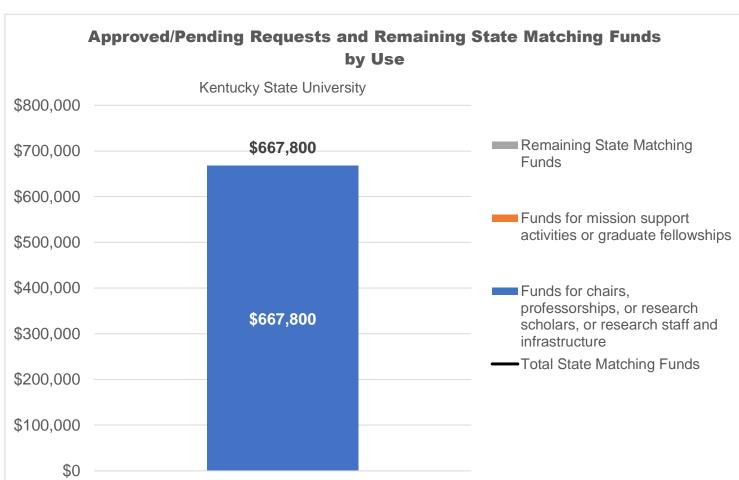
\$0

Kentucky State University: Summary Charts

reditionly office of the office	. Gaiiiiiai y	o i i a i to		
	Approved and	Remaining State	Total Stat	te Matching
	Pending Requests	Matching Funds	Funds	
Kentucky State University	\$667,800		\$0	\$667,800

	Funds for chairs,				
	professorships, or				
	research scholars,	Funds for mission		Т	otal State
	or research staff	support activities or	Remaining State	M	latching
	and infrastructure	graduate fellowships	Matching Funds	F	unds
Kentucky State University	\$667,800	\$0		\$0	\$667,800





Attachment E

Morehead State University

FY 2022-24 Bucks For Brains Allocation and Usage Comprehensive University Excellence Trust Fund



Attachment F

Total State Matching Funds Available by Eligible Use

	•	•
	MAX Funds for	
	mission support	
MIN Funds for	activities or	
chairs,	graduate	
professorships, or	fellowships or	
research staff and	undergraduate	Total state matching
infrastructure	scholarships	funds available
\$639,500	\$639.500	\$1,279,000

Approved/Pending State Matching Fund Requests by Eligible Use

	Approved/Feriality	g State Matching Fun	id Kequesis by ⊑iigible
		Funds for mission	
		support activities or	
	Funds for chairs,	graduate	
	professorships, or	fellowships or	
	research staff and	undergraduate	
Endowment Name	infrastructure	scholarships	Total approved
Scutchfield Family Pre-Medicine Scholarship Endowment		\$50,000	\$50,000
Eugene Lacefield Space Studies Endowment		\$100,000	\$100,000
Greene Family Scholarship Endowment		\$200,000	\$200,000
Kerr STEM Scholarship Endowment and Kirk Scholarship Endowment			
Fund		\$125,000	\$125,000
Craft Endowed Professorship in Biomedical Sciences	\$150,000		\$150,000
The J. Dudley Herron Professorship Endowment	\$125,000		\$125,000
Dhilling Cahalarahin Endaumaant		\$90,000	\$90,000
The Judy-Craig Scholarship Endowment for Science		\$35,000	\$35,000
Dr. John and Betty Philley Endowment Fund		\$4,500	\$4,500
Robert Thomas Lierman Memorial Scholarship Endowment		\$10,000	\$10,000
Total approved requests	\$275,000	\$614,500	\$889,500

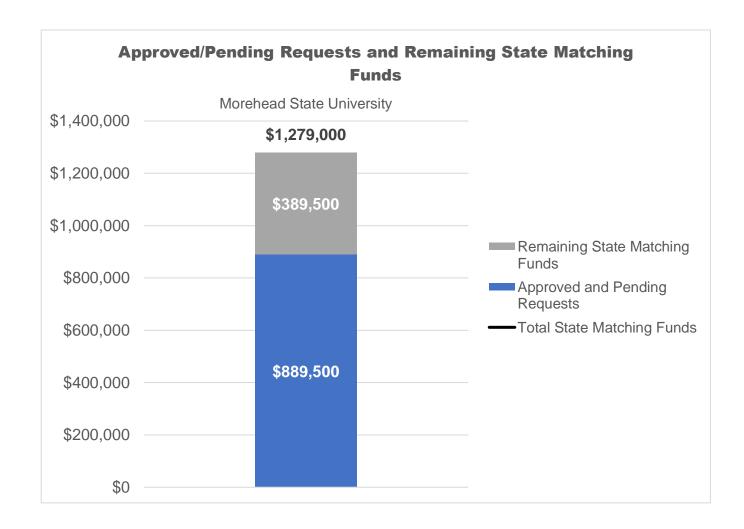
Remaining State Matching Funds Available by Eligible Use

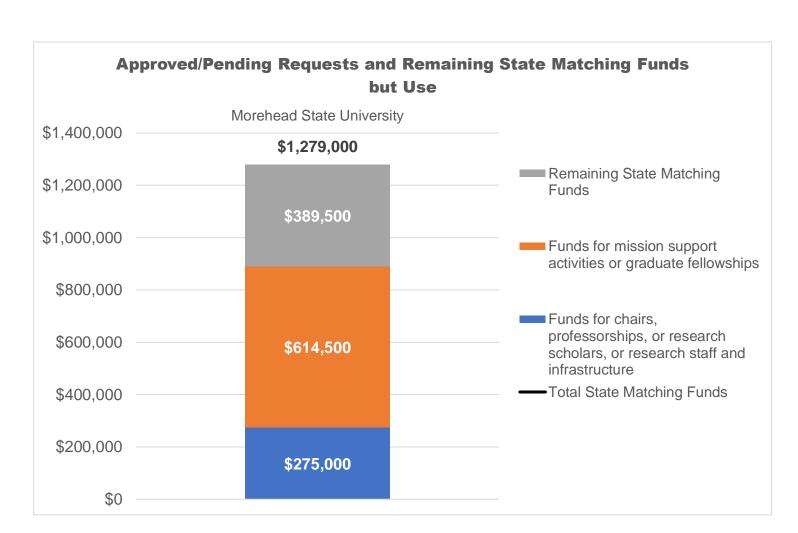
	MAX Funds for	
	mission support	
MIN Funds for	activities or	
chairs,	graduate	
professorships, or	fellowships or	
research staff and	undergraduate	
infrastructure	scholarships	Total remaining
\$364,500	\$25,000	\$389,500

MAX Funds for chairs, professorships, or research scholars, or research staff and infrastructure \$389,500

Morehead State University: Summary Charts

	Approved and	Remaining State	Total State Matching	
	Pending Requests	Matching Funds	Funds	
Morehead State University	\$889,500	\$389,500	\$1,279,000	-
	Funds for chairs, professorships, or			
	research scholars, or research staff	Funds for mission support activities or	Remaining State	Total State Matching
		graduate fellowships	9	Funds
Morehead State University	\$275,000	\$614,500	\$389,500	\$1,279,000





Attachment F

Murray State University

FY 2022-24 Bucks For Brains Allocation and Usage Comprehensive University Excellence Trust Fund



Total State Matching Funds Available by Eligible Use

MAX Funds for mission support

MIN Funds for activities or chairs, graduate professorships, or fellowships or research staff and undergraduate infrastructure scholarships funds available

\$742,450 \$742,450 \$1,484,900

Approved/Pending State Matching Fund Requests by Eligible Use

	Approved/Pending	g State Matching Fui	nd Requests by Eligible
		Funds for mission	
		support activities or	
	Funds for chairs,	graduate	
	professorships, or	fellowships or	
	research staff and	undergraduate	
Endowment Name	infrastructure	scholarships	Total approved
Anthem Medicaid Rural Medicine Endowed Scholarship		\$100,000	\$100,000
Suzi (Steele) and Ken Chapman Agricultural Science Scholarship			
Endowment		\$25,000	\$25,000
Associated of General Contractors Danny Claiborne Endowed			
Professorship	\$88,750		\$88,750
Dr. Steve Cobb Distinguished Endowed Professorship in Engineering			
Physics	\$82,250		\$82,250
Ray and Jewel Thomas Futrell Endowed Professorship in Agricultural			
Science	\$125,000		\$125,000
Bill and Merry Garrett Endowed Professorship in Veterinary Sciences			
Quasi Endowment Match Bill and Merry Garrett Veterinary Sciences Scholarship Quasi-Endowment Match	\$136,449		\$136,449
Bill and Merry Garrett Veterinary Sciences Scholarship Quasi-Endowment			
Match		\$250,000	\$250,000
Vernon L. and Cathryn R. Hamm Trust Endowed Professorship in Equine			
Sciences	\$125,000		\$125,000
llean Summerville Memorial Scholarship		\$27,500	\$27,500
Jessie Munday Jackson Nursing Scholarship Endowment Fund		\$86,450	\$86,450
Dr. Jesse D. Jones Endowed Professorship	\$60,000		\$60,000
Dr. Thomas B. Logan Endowed Chemistry Professorship	\$125,001		\$125,001
Vernon L. and Cathryn R. Hamm Trust Endowed Professorship in Equine Sciences Ilean Summerville Memorial Scholarship Jessie Munday Jackson Nursing Scholarship Endowment Fund Dr. Jesse D. Jones Endowed Professorship Dr. Thomas B. Logan Endowed Chemistry Professorship Gary Mayabb Memorial Scholarship Pat and Frank Miller Scholarship Patey Family Scholarship in Biology and Chemistry Schanbacher Character Scholarship Total approved requests		\$27,500	\$27,500
Pat and Frank Miller Scholarship		\$100,000	\$100,000
Patey Family Scholarship in Biology and Chemistry		\$100,000	\$100,000
Schanbacher Character Scholarship		\$25,000	\$25,000
Total approved requests	\$742,450	\$741,450	\$1,483,900

Remaining State Matching Funds Available by Eligible Use

MAX Funds for mission support

MIN Funds for activities or chairs, graduate professorships, or fellowships or research staff and undergraduate infrastructure scholarships Total remaining

Minimum met \$1,000 \$1,000

MAX Funds for chairs, professorships, or research scholars, or research staff and infrastructure \$1,000

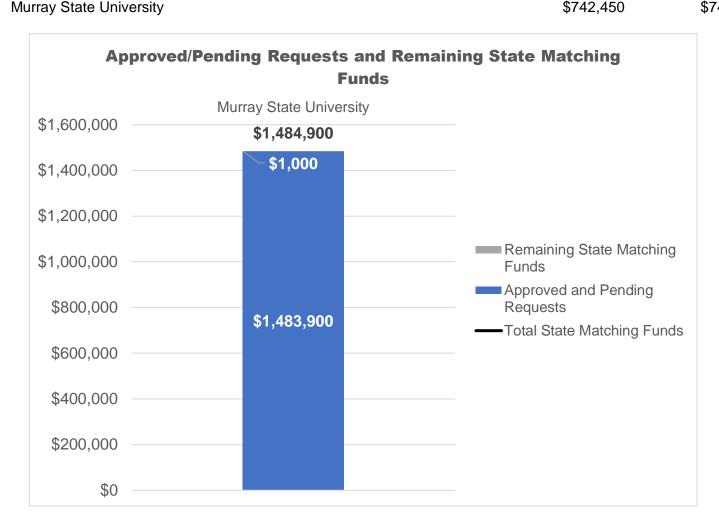
Attachment G

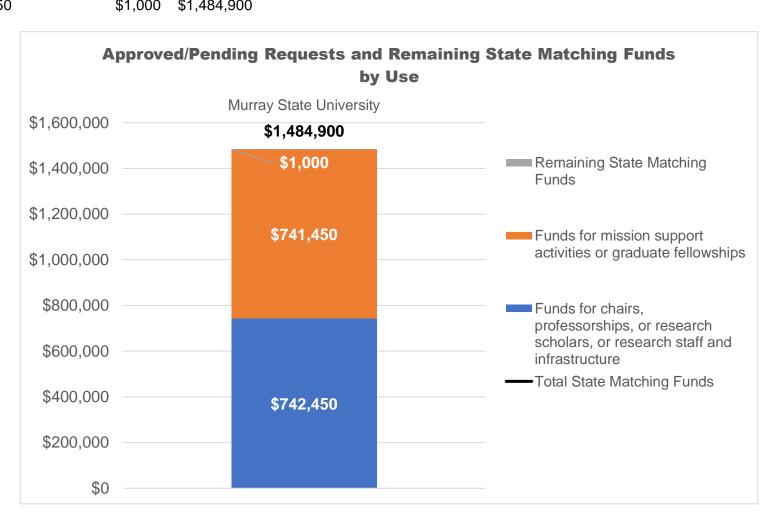
						X X X	
	<u> </u>					· · · · · · · · · · · · · · · · · · ·	
			ļ			X	
	X		X	Χ			
	X						
	<u> </u>					X X	
	Χ		X	X			
					Х	X	
	X		X	X			
	X		X	X			
	X						
	X						
	<u> </u>					X	
						X	
Chairs	Professorships	Research Scholars	Research Staff	Research Infrastructure	Graduate Fellowships	Undergraduate Scholarships	Missior Suppor

Murray State University: Summary Charts

marray state smits stry: Sammary smarts			
	Approved and	Remaining State	Total State Matching
	Pending Requests	Matching Funds	Funds
Murray State University	\$1,483,900	\$1,000	\$1,484,900

	Funds for chairs,			
	professorships, or	Funds for mission		
	research scholars,	support activities or		Total State
	or research staff	graduate	Remaining State	Matching
	and infrastructure	fellowships	Matching Funds	Funds
Murray State University	\$742,450	\$741,450	\$1,000	\$1,484,900





Attachment G

Northern Kentucky University

FY 2022-24 Bucks For Brains Allocation and Usage Comprehensive University Excellence Trust Fund



Total State Matching Funds Available by Eligible Use

MAX Funds for
MIN Funds for mission support
chairs, activities or graduate
professorships, or fellowships or
research staff and undergraduate infrastructure scholarships funds available

\$932,300 \$932,300 **\$1,864,600**

	Funds for chairs, professorships, or research staff and	Funds for mission support activities or graduate fellowships or undergraduate	
Endowment Name	infrastructure	scholarships	Total approved
Newman Endowment for Undergraduate Research in STEM		\$200,000	\$200,000
Dr. Larry A. Giesmann Endowed Professorship in Biology	\$250,000		\$250,000
Norma Fugazzi & Gabbard Family STEM Endowed Scholarship		\$25,000	\$25,000
The Mark and Marie Yeager Endowed Scholarship for the School of			
Computing and Analytics		\$200,000	\$200,000
The Pennie Kitchens Witcher Memorial Endowed Scholarship		\$50,000	\$50,000
Total approved requests	\$250,000	\$475,000	\$725,000

Remaining State Matching Funds Available by Eligible Use

MAX Funds for
mission support
chairs, activities or graduate
professorships, or fellowships or
research staff and undergraduate
infrastructure scholarships Total remaining
\$682,300 \$457,300 \$1,139,600

MAX Funds for chairs, professorships, or research scholars, or research staff and infrastructure \$1,139,600

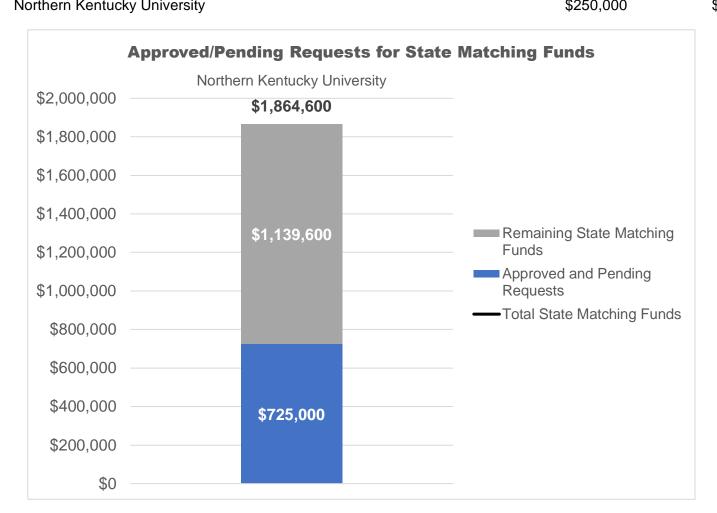
Detaile	Detailed Eligible Uses						
Chairs	Professorships	Research Scholars	Research Staff	Research Infrastructure	Graduate Fellowships	Undergraduate Scholarships	Mission Support
						Χ	
	X						
						X	
						Х	
	×		·			X	
0	1	0	0	0	0	4	0

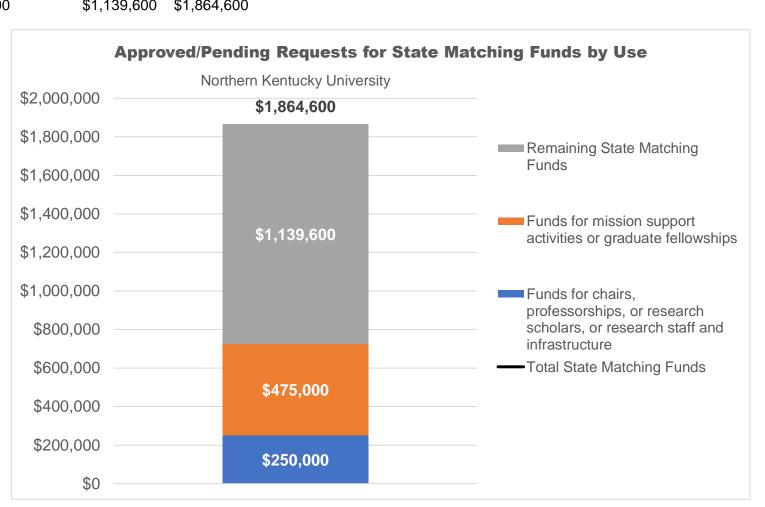
Attachment H

Northern Kentucky University: Summary Charts

	<i>y</i>		
	Approved and	Remaining State	Total State Matching
	Pending Requests	Matching Funds	Funds
Northern Kentucky University	\$725,000	\$1,139,600	\$1,864,600

	Funds for chairs,			
	professorships, or			
	research scholars,	Funds for mission		Total State
	or research staff	support activities or	Remaining State	Matching
	and infrastructure	graduate fellowships	Matching Funds	Funds
Northern Kentucky University	\$250,000	\$475,000	\$1,139,600	\$1,864,600





Attachment H

Western Kentucky University

FY 2022-24 Bucks For Brains Allocation and Usage Comprehensive University Excellence Trust Fund



Attachment I

Total State Matching Funds Available by Eligible Use

	MAX Funds for	
	mission support	
MIN Funds for	activities or	
chairs,	graduate	
professorships, or	fellowships or	
research staff and	undergraduate	Total state matching
infrastructure	scholarships	funds available
\$1,237,950	\$1,237,950	\$2,475,900

Approved/Pending State Matching Fund Requests by Eligible Use

Total approved requests	\$0	\$0	\$0
			\$0
			\$0
			\$0
			\$0
			\$0
			\$0
			\$0
			\$0
			\$0
			\$0
			\$0
			\$0
Endowment Name	infrastructure	scholarships	Total approved
	research staff and	undergraduate	
	professorships, or		
	Funds for chairs,	graduate	
		support activities or	
		Funds for mission	
	Approved/r ending	g Otate Matering i di	id itequests by Liigible

Remaining State Matching Funds Available by Eligible Use

	MAX Funds for	
	mission support	
MIN Funds for	activities or	
chairs,	graduate	
professorships, or	fellowships or	
research staff and	undergraduate	
infrastructure	scholarships	Total remaining
\$1,237,950	\$1,237,950	\$2,475,900

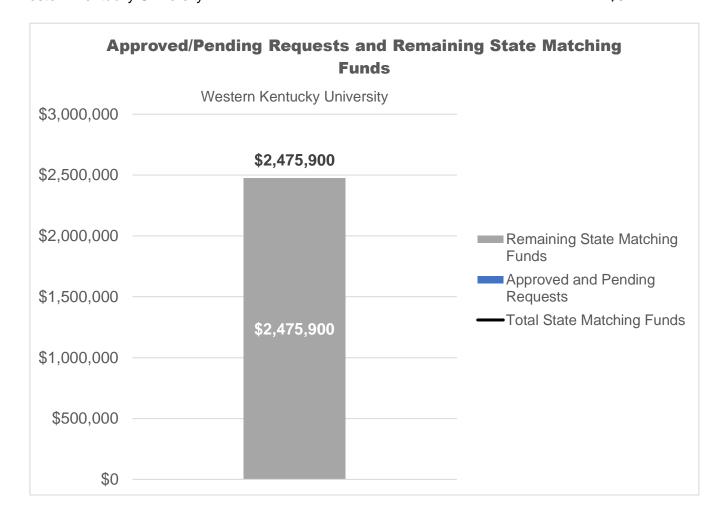
MAX Funds for chairs, professorships, or research scholars, or research staff and infrastructure \$2,475,900

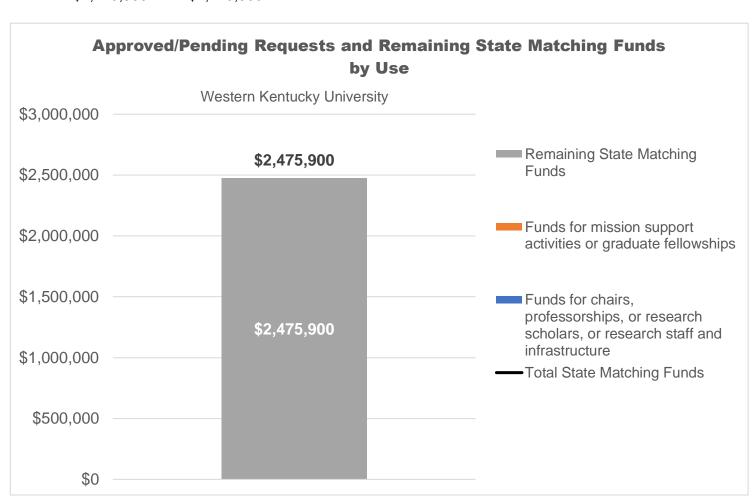
0	0	0	0	0	0	0	0
							,
				•••••			
		·····					·····
		Correlate	Otali	mmadi dotaro	r enemenipe	Coc.a.opc	Саррон
Chairs	Professorships	Research Scholars	Research Staff	Research Infrastructure		Undergraduate Scholarships	Mission Support

Western Kentucky University: Summary Charts

Approved and Remaining State Total State Match	,	
	Approved and Remaining State	otal State Matching
Pending Requests Matching Funds Funds	Pending Requests Matching Funds	unds
Western Kentucky University \$0 \$2,475,900 \$2,475,	\$0 \$2,475,900	\$2,475,900

Western Kentucky University	\$0	\$0	\$2,475,900	\$2,475,900
	and infrastructure fellowships	N	Matching Funds	Matching Funds
	or research staff graduate	F	Remaining State	Total State
	research scholars, support activi	ities or		
	professorships, or Funds for mis	ssion		
	Funds for chairs,			





Attachment I