

MEMORANDUM

TO: Legislative Oversight Commission on Education Accountability (LOCEA)

FROM: Dr. Juliana Serafin, Senior Director Division of Science and Research, HEPC

DATE: September 1, 2022

RE: Research Trust Fund Annual Report

Overview of Research Trust Fund

The State of West Virginia's initial \$50 million investment in STEM research through the Research Trust Fund (RTF), also known as Bucks for Brains, continues to support research important to the state's economy as well as the quality of life of West Virginians.

The two primary institutions to receive the majority of this investment in 2008 were the state's largest research institutions, WVU and Marshall. WVU was allotted \$35 million and Marshall, \$15 million. Each year, the Higher Education Policy Commission is required to submit to the governor and the Legislature this report on the status of the trust fund's distributions.

Please note that the state's initial \$50 million investment was a 50-50 matching program, whereby the research institutions had to obtain equal *private* investment dollars to draw down the state funds. Those state funds were then transferred to the institutions' foundations or investment arms to join with the private donations as an endowment. The institutions subsequently distribute the investment proceeds for sponsored faculty research.

By 2013, all of the \$50 million state investment was distributed to the institutions, so there no longer is a balance in the state's trust fund. That investment, combined with the matching private donations, is supporting research endowments at the institutions, as prescribed by the legislation and envisioned by its authors.

Summary of FY22:

As of June 30, 2022, the Marshall University RTF endowments total \$38 million, with \$6.7 million of endowment proceeds expended over the life of the program. Earnings to date are \$14 million. The amount spent in FY22 was \$558,548. There are a total of 16 endowments for research-related activities.

For West Virginia University, there are 85 endowments that fund chairs and professorships, student scholarships, fellowships, research activities, and library endowments. In FY22, \$19

million was spent from both private and matching state accounts. In FY23, \$15 million will be available. The current market value for all the private RTF endowments is \$63 million and that for the state RTF endowments \$42 million.

Background and History of the Research Trust Fund

Outlined in Legislative Rule Series 48, Research Trust Fund Program (RTF), the Higher Education Policy Commission (Commission) receives annual reports from institutions and is required to submit a combined annual report on the Research Trust Fund to the Governor and the Legislative Oversight Commission on Education Accountability (LOCEA) by January 1 of each year.

In compliance with this statutory requirement, the Commission is provided a draft annual report for FY2022 activities within the Research Trust Fund for review, comment, and approval.

The Commission completed its initial implementation plan during the fall of 2008 which resulted in Title 133 Legislative Rules Series 48, subsequently approved by the Legislature during the 2009 regular session. The rule establishes guidelines, procedures and documentation standards for the distribution of funds in the West Virginia Research Trust Fund. The final rules are available at [wvresearch.org: https://westvirginiaresearch.org/wp-content/uploads/2019/07/ResearchTrustFundRules.pdf](https://westvirginiaresearch.org/wp-content/uploads/2019/07/ResearchTrustFundRules.pdf)

Commission staff created an electronic “Match Request System” (MRS) in 2008 that allowed secure transactions for RTF requests made by the universities. All requests, documentation and invoicing are permanently recorded in files that allow sorting, analysis and up-to-date balance information. The MRS was cross referenced with university records annually to ensure accuracy in drawdown reporting for previous reports.

Required “Research Plans” specified by the legislation and approved by Marshall’s and WVU’s boards of governors were received. Both institutional plans are on file with the Commission and are found to be generally compliant with legislative requirements.

The RTF financial account was established in late June 2008 by the State Auditor and made accessible to Commission staff for distribution to public institutions in addition to Marshall and WVU. *All transactions from this fund were completed in 2013.*

Interest funds generated by the RTF account have been separately tracked for distribution to State Colleges as defined by the Legislature. On May 15, 2009, the Commission released the first competitive request for proposals for RTF interest funds collected on the account specifically for state colleges and the West Virginia School of Osteopathic Medicine, in accordance with provisions of §18B-18A-10 of the Code. A second request for proposals was issued on March 9,

2010; a third on June 2, 2011; a fourth on May 30, 2012; and a fifth on September 21, 2012. Proposals for up to \$100,000 each were received from eligible institutions and subsequently reviewed by external peers for program merit. Two awards were issued in 2009, two in 2010 and one in 2011 as a result. No applications were received in response to the May 2012 request for proposals. A request for proposals was issued September 7, 2012 – one institution was awarded. A final award was made on May 6, 2013.

The institutions that received awards from the RTF for State Colleges and Universities from 2008-2013 were Shepherd University, Fairmont State University, West Liberty University, West Virginia State University and West Virginia University Institute of Technology.

The Research Trust Fund has been fully matched, and no additional funds are available for distribution.

Attachments

Marshall University and West Virginia University Annual Reports for FY2022 are attached.



**Marshall University
Research Endowment Plan Annual Report
2021-2022**

Submitted to the Division of Science and Research at the
West Virginia Higher Education Policy Commission

I. Summary

The West Virginia Research Trust Fund program has created sixteen endowments at Marshall University to fund allowed research-related activity. Over fifteen million dollars of private donations and the fifteen million dollars of state match have been invested in the Marshall University Foundation and Marshall University Research Corporation, respectively. These endowments span research areas from Engineering to Clinical and Translational Research and specify uses from direct research support to student research stipends. In FY 2013, the full \$15MM in gifts and pledges was raised, along with an excess of over \$800,000.

As of June 30, 2022, the Marshall University Bucks for Brains Endowments totaled \$ 38,073,572, with \$ 6,705,261 of endowment proceeds expended over the life of the program. FY 22 expenditures totaled \$ 558,548. Earnings to date have amounted to \$ 14,054,295.

Past years' expenditures were as follows:

FY 16 \$450,000
FY 17 \$560,000
FY 18 \$672,000
FY 19 \$560,000
FY 20 \$3,100,000
FY 21 \$595,149

II. Review of the Marshall University Research Endowment Plan

Marshall's original Research Endowment Plan approved by the University's Board of Governors in 2008, directed donations to:

- Endowment of the Marshall Institute for Interdisciplinary Research (MIIR), continuing with the plan laid out in Marshall's application to the Eminent Scholars Recruitment and Enhancement (ESRE) initiative; and
- Advancement of Intelligent Transportation Systems research at the Rahall Transportation Institute (RTI).

In November 2010, the Marshall University Board of Governors approved a Research Trust Fund Addendum (Appendix One) that broadened the recognition of Biomedicine/ Biotechnology as a focus for donor activity across the University, and further included aspects of Engineering, Environmental Science and the Physical Sciences.

III. Endowed Research Area Highlights

A brief update on highlighted activities of one of the endowments is included below. A comprehensive summary of the endowments is included in previous versions of this report.

Dr. Uma Sundaram: Bucks for Brains Supported Researcher Has Dramatic Impact

Gastroenterologist Uma Sundaram, M.D., was the recipient of the VA Merit Review Senior Clinician Scientist Investigator (SCSI) Award, the most prestigious grant given by the U.S. Veterans Administration grants program. Sundaram is one of only 41 researchers across the country to hold SCSI status.

Sundaram, vice dean for research and graduate education at the Joan C. Edwards School of Medicine, first received a VA Merit Award in 2017, which was renewed in 2021, for research related to the causes of malnutrition and diarrhea in IBD, one of the most common causes of disability among U.S. Veterans serving overseas. This research is done jointly at the VA, School of Medicine and Cabell Huntington Hospital.

Dr. Sundaram's continued research will work to determine how the body's immune system affects intestinal absorption and secretion in IBD so that more specific and effective treatments can be developed.

Dr. Sundaram is also an NIH R01 funded researcher, and is Principal Investigator of the NIH COBRE award focusing on obesity. Bucks for Brains funding has enabled a tremendous enhancement in research activity via the investment in Dr. Sundaram's activities.

Other Highlights

The investments enabled by the Bucks for Brains funds is creating a cadre of researchers applying for and being successful in obtaining federal funding at Marshall University. In FY 22, these researchers are performing on NIH R01 awards, significant VA Merit awards and a VA Senior Clinician Scientist Merit award. This is some of the most significant competitive funding ever achieved at Marshall, and four of the investigators are women.

Appendix One- Marshall University's Research Trust Fund Addendum

The University's directed research endowment plan has concentrated initially in two domains of interdisciplinary research, which are strengths at Marshall: research clusters in biomedicine/biotechnology/ bionanotechnology and transportation technology/logistics. Marshall's Research Trust Fund activities are to be expanded to include the following areas:

I. Engineering

Engineering is a foundational discipline essential to the development and implementation of research in the approved areas in the Research Trust Fund legislation¹. Marshall has recently achieved ABET accreditation of its engineering program, and has experienced dramatic facilities growth with the construction and occupation of The Arthur Weisberg Family Engineering Laboratories facility and is planning for the future addition of an Advanced Engineering and Technology Center Complex. Development of robust undergraduate and graduate programs and the associated integral research opportunities are essential to developing and enhancing the capabilities and profile of the school.

1

- 4.3.1. Energy and environmental sciences;
- 4.3.2. Nanotechnology and materials sciences;
- 4.3.3. Biological, biotechnical and biomedical sciences;
- 4.3.4. Transportation technology and logistics;
- 4.3.5. Biometrics, security, sensing, and related identification technologies; and
- 4.3.6. Gerontology.

Match from the Research Trust Fund will be requested to enhance private donations for endowed professorships and other research-related positions and initiatives in all aspects of Engineering as they relate to the allowed subject areas of the Research Trust Fund Program and the associated uses allowed in the legislation.

Two examples of gifts that have been received in support of engineering endowments are included, and a third solicitation is discussed:

A. Applied Research- Safety Engineering Program

Risk management is a highly specialized field that involves applying the principles of safety engineering and industrial hygiene and integrating them with economic and financial analysis. Marshall University will expand its Research Trust Fund Plan in this area important to transportation and logistics and energy to support an endowment in risk management research. The proposed endowment will support the development of research expertise in the school of engineering in the area of risk management, a highly interdisciplinary pursuit at the interface of management, engineering and applied mathematics.

The proposed applied research employs advanced risk management concepts and research to identify, trend, estimate and reduce workplace hazards in industry based in WV. The area will be supported by a \$100,000 endowment received from BrickStreet and the corresponding state match.

Risk management is of particular interest to the energy industry in our state because of the safety and economic risks associated with the extraction process. In energy, risk management research is essential to find new ways to:

- deal with its high element of monetary risk due to the uncertainty of the economic and regulatory outlook
- reduce the physical risk associated with extraction and development activities, and improve the safety of individual employee

In transportation and logistics research, risk management has become central to understanding many critical elements such as:

- the robustness and resilience of our transportation systems to interruptions due to system load, natural phenomena, and man-made disruptions
- the risks associated with transport of hazardous materials and the potential benefits of mitigation of those risks
- the robustness of logistics networks
- the risks associated with logistics and supply chain outsourcing

These benefits are of particular relevance to the state given current events, and are particular interests of the donor.

B. Mechanical Engineering

Mechanical engineering applies the principles of physics and materials science for analysis, design, manufacturing, and maintenance of mechanical systems. Mechanical engineers use the core principles of mechanics, kinematics, thermodynamics, materials science, and structural analysis along with tools like computer-aided engineering and product lifecycle management to design and analyze items as diverse as manufacturing plants, industrial equipment and machinery, heating and cooling systems, motorized vehicles, aircraft, watercraft, robotics, medical devices and more.

The field has continually evolved to incorporate advancements in technology, and mechanical engineers today are pursuing developments in such fields as composites, mechatronics, and nanotechnology. Mechanical engineering overlaps with aerospace engineering, civil engineering, electrical engineering, and petroleum engineering to varying amounts.

A gift from the Fletcher family will endow a founding Chair of Mechanical Engineering. Mechanical Engineering is an important discipline in Bioengineering and energy sectors. This endowment is essential to developing a Department of Mechanical Engineering, by attracting a senior-level professor to Marshall, with his/her associated research programs.

Another area that is endorsed by the Board of Governors for planning and an active source of solicitation is:

C. Bioengineering

In the translation of biomedical and biotechnology advances, bioengineering is a lynchpin in bridging the transition from academe to commercialization. Marshall University is planning to develop a Bioengineering Department contemporaneously with the construction of the Applied Technology and Engineering Complex. The development of the Department would follow a trajectory very similar to that of Mechanical Engineering, with the attraction of a founding research scientist/bioengineer.

“Biological engineering, biotechnological engineering or bioengineering (including biological systems engineering) is the application of engineering principles to address challenges in the life sciences, which include the fields of biology, ecology, and medicine. Biological engineering is a science based discipline founded upon the biological sciences in the same way that chemical engineering, electrical

engineering, and mechanical engineering are based upon chemistry, electricity and magnetism, and statics, respectively”².

“Biological Engineering can be differentiated from its roots of pure biology or classical engineering in the following way. Biological studies often follow a reductionist approach in viewing a system on its smallest possible scale, which naturally leads toward the development of tools such as functional genomics. Engineering approaches using classical design perspectives are constructionist, involving the building and research of new devices, approaches, and technologies from component concepts. Biological engineering utilizes both of these methods in concert relying on reductionist approaches to define the fundamental units, which are then commingled to generate something new”.³“Although engineered biological systems have been used to manipulate information, construct materials, process chemicals, produce energy, provide food, and help maintain or enhance human health and our environment, our ability to quickly and reliably engineer biological systems that behave as expected remains less well developed than our mastery over mechanical and electrical systems”.⁴

Given Marshall’s research strengths in the biological and biomedical sciences and the emphasis of new initiatives, like the Marshall Institute for Interdisciplinary Research (MIIR), on translating key research findings into commercialization, the discipline of bioengineering sits at a nexus of opportunity for the University. It will be a critical element in fully developing the potential of Marshall’s applied research enterprise and its translation to economic development.

II. Mathematics and the Physical Sciences

Mathematics and the Physical Sciences are basic sciences that have relevance to all aspects of the allowed areas of the Research Trust Fund legislation. Research Trust Fund match will be sought to enhance private donations supporting endowed professorships and other research-related positions and initiatives focusing on research in the allowed areas in these disciplines.

The first application will be for an endowed rotating professorship to promote an undergraduate summer research experience in Chemistry.

This match for the undergraduate research endowment is being requested under the Research Trust Fund because undergraduate summer research in Chemistry is relevant to so many of the legislatively enabled areas:

² Cuello J.C., “Engineering to biology and biology to engineering, The bi-directional connection between engineering and biology in biological engineering design”, *Int. J. Eng. Ed.*, **21**,1-7 (2005).

³ Riley MR, “Introducing Journal of Biological Engineering”, *Journal of Biological Engineering* **1**, 1 (2007).

⁴ Endy D, “Foundations for Engineering Biology”, *Nature*, **438**, 449-4 (2005).

- Chemistry is one of the fundamental underpinnings of nanoscience because of the molecular nature of the discipline
- The Department of Chemistry at Marshall University has core groups in biochemistry/biotechnology and materials science
- Faculty members also work on energy research and molecular energetics.

WV Research Trust Fund

Annual Report

from

West Virginia University¹

August 15, 2022

¹ Address questions and requests for additional information regarding WVU's Research Trust Fund initiative to Provost Maryanne Reed, West Virginia University (maryanne.reed@mail.wvu.edu) or Vice President for Research, Dr. Fred King, West Virginia University (fred.king@mail.wvu.edu).

Introduction

This annual report describes the history of the Research Trust Fund, responds directly to the reporting requirements outlined in Series 48 (§ 133-48-14), and lays out the proposed spending plan for the earned interest and carry over funds from each endowment for FY 2022.

History of the Research Trust Fund (2008-2009)

In March 2008, the West Virginia Legislature enacted Senate Bill 287, commonly referred to as the Research Trust Fund, as an effort to build a critical mass in selected areas of research and thus lay the groundwork for future economic development. The initial Bill provided a five-year window for the deposit of qualified donations into research endowments. Senate Bill 239 (Passed March 12, 2011) amended §18B-18A-9 of the Code of West Virginia to provide a seven-year window. Senate Bill 287 committed \$35 million to West Virginia University as a basis for a 1:1 match with private dollars to create endowments that would provide a sustainable source of funds for research and development. West Virginia University's approved Strategic Research Plan identified four areas for investment:

- Energy and environmental sciences;
- Nanotechnology and material science;
- Biological, biotechnological, and biomedical sciences; and
- Biometrics, security, sensing and related identification technologies.

These areas were selected because in 2008 they complemented the expertise of WVU's faculty, were critical issues of importance to the public, and were at the core of WVU's land-grant mission.

An Addendum to WVU's Strategic Research Plan for the Research Trust Fund was approved by the WVU Board of Governors in December 2010 and incorporated therein. Three modifications were made:

1. Adding forensic sciences as an area of emphasis under the biometrics, security, sensing, and related identification technologies, providing the opportunity for private investment into this area of research.
2. Adding a Library endowment to support the acquisition of materials in the four research areas, clarifying the importance that library resources provide to a vibrant research agenda.
3. Removing the language "no research area may receive more than \$17.5 million in private donations within the first two years," allowing WVU to maximize private investment regardless of focus area.

Achieving the Goal: \$70 million in Private and State Endowments

During the first four years after the inception of the Research Trust Fund, West Virginia University received gifts and pledges totaling \$35 million, the total amount allocated to the University through the Research Trust Fund initiative. Each endowment was qualified by the West Virginia University Board of Governors and thus eligible for state matching funds. **Thus the University's goal was achieved.**

The seven-year pledge period has officially concluded. The 85 endowments in Appendix A represent the final portfolio established under the Research Trust Fund initiative. These endowments include five generic types of gifts: 12 chairs and professorships, 12 undergraduate scholarships, 14 graduate fellowships, 2 graduate or undergraduate fellowships, 43 broad-based research support funds, and 2 library endowments.

Compliance with Legislative Rule for Research Trust Fund

Three specific reporting requirements are identified in Series 48 (§ 133-48-14), the Research Trust Fund Program.

1. *14.1. By August 15, 2009, and annually thereafter, each participating institution shall provide an annual report to the Commission that includes a full accounting of the trust funds, endowment proceeds, and adherence to the objectives established by the research plan.*
2. *14.2. Each participating institution shall detail in its annual report to the Commission the total amount of qualified donations received, the investment earnings realized and any anticipated expenditures of the research endowment proceeds in its annual operating budget.*

The data in APPENIDX A summarize much of the information requested by the Legislative Rule.

Through June 30, 2022 the following results have been achieved:

- **FY22 Market Value for all the Private RTF Endowments**
The market value of Directed Research Endowments established with private gifts invested in the Research Trust Fund Program of the WVU Foundation Endowment for fiscal year ending June 30, 2022 is \$62,773,361.
- **FY23 Spend Available for the Private RTF Endowments**
The available proceeds from Directed Research Endowments established with private gifts invested in the Research Trust Fund Program of the WVU Foundation Endowment for FY23 are \$1,971,020.

- **FY22 Market Value for all the State RTF Endowments**
The market value of Directed Research Endowments established with trust distributions (state funds) to the Research Trust Fund Program of the WVU Foundation Endowment for fiscal year ending June 30, 2022 is \$41,863,289.
- **FY23 Spend Available for the State RTF Endowments**
The available proceeds from Directed Research Endowments established with trust distributions to the Research Trust Fund Program of the WVU Foundation Endowment for FY22 are \$1,963,449.
- **NOTE:** During the period from March 08, 2008 to June 30, 2012, the WVU Foundation received 19 distributions from the Research Trust Fund totaling \$35,000,000; these dollars provided the matching funds for 1210 qualified gifts (donations and pledges) to Directed Research Endowments established under the Research Trust Fund.

3. 14.4. *Each participating institution's research corporation and/or foundation shall provide the Commission with an audited financial statement annually. These statements shall be treated as confidential.*

A copy of the audited financial statements for years ending June 30, 2021 and 2020 for the WVU Foundation has been forwarded, under separate cover, to the Policy Commission. Because of timing of submission of this report relative to the receipt of the audited financial statement, the audited financial statement of the WVU Foundation, Inc. will always be a year in arrears.

Impact of the Research Trust Fund

Vice President for Research Fred King remarked previously that: “The Research Trust Fund is not only an investment in our university, it is an investment in the future of our state. We know that research and innovation are the key economic drivers as we move forward in the 21st Century and compete in a global economy. The ideas generated and the students educated through the endowments establish under the Research Trust Fund initiative provide a basis for West Virginia’s future prosperity. We are thankful to the donors and the West Virginia legislature for their confidence in our ability to deliver the innovation and education essential to the state’s economic future.”

To place Vice President King’s remarks in a more specific context, WVU continues to be classified as West Virginia’s only R1 Doctoral Research University by the Carnegie Classification of Institutions of Higher Learning. Only 146 other universities in the United States received this highest ranking in the Carnegie Classification in 2021. It is worth noting that data from 2020 show that in terms of GDP, WV with WVU as its R1

university ranks ahead of the four similar rural states (AK, SD, VT, and WY) that do not have a university that is R1. This ranking also evidences WVU's reputation as one of the leading U.S. Research Universities. This is supported by the fact that in FY 2021, WVU research expenditures neared \$200 million employing approximately 1800 FTE in our research enterprise.

WVU is committed to using its RTF resources to improve the quality of life for all West Virginians. These efforts are interwoven with the statewide efforts that Marshall University, West Virginia University, and the Department of Commerce are engaged in to diversify and grow the economy of the State of West Virginia through efforts such as ASCEND WV.

President Gordon Gee continues to make the point that WVU's prominence in research is critical to reshaping West Virginia's economy for a brighter future. Three pillars undergird this transformation of the state: education, healthcare, and broad-based prosperity. The institution's research investments, the research funds generated by our faculty, and the support provided by the Research Trust fund set the foundation on which these pillars rest.

Business Plan

In addition to the legislatively mandated reporting requirements, the Higher Education Policy Commission requires a business plan for each research area. APPENDIX A reflects the anticipated use of the money available to spend in FY22.

In FY22, \$19,739,422 of Research Trust Fund dollars, both that from private accounts and matching state accounts, was spent on research – for scholarships, fellowships, prominent scholars, and in support of ongoing research initiatives.

For FY23, \$15,072,473 will be available. This number includes the proceeds from each private endowment and its equivalent state matching endowment plus any unspent money from the preceding year. Of this amount, \$3,934,469 will come from interest earned on both the private endowments and that from the matching state endowments established from the Research Trust Fund; \$11,138,004 will come from unspent funds from the previous year. All funds for each endowment are distributed according to the intent of the respective endowment.

WVU looks forward to the significant and sustained impact that programs supported by the Research Trust Fund will have on addressing some of the state's and the nation's most important issues in education, energy, health care and security. As President Gee notes the real importance of research lies in its purpose and impact!

WVU Research Trust Fund
Annual Report through Fiscal Year 2022

Fund ID	Fund Description	Budget Division	Unit	FY14 & Prior Budgets	FY15 Spend	FY16 Spend	FY 17 Spend	FY 18 Spend	FY19 Spend	FY20 Spend	FY21 Spend	FY21 Public Spend Return	FY22 Spend	Budget through FY22 Spend	Expenses through CLS-2022	Balance through FY22	FY23 Spend	Balance Forward
R085	Frederick P. Jr. & Joan C. Stamp Cancer Research	Cancer Center(CAN)	Cancer Center (CAN)	\$ 46,473.97	\$ 14,615.22	\$ 14,670.34	\$ 13,236.92	\$ 13,490.61	\$ 17,528.34	\$ 15,322.17	\$ 14,857.40	\$ (4,707.75)	\$ 16,005.60	\$ 161,492.82	\$ 117,434.16	\$ 44,058.66	\$ 20,401.42	\$ 64,460.08
R095	Norma Mae Huggins Cancer Research Endowment	Cancer Center(CAN)	Cancer Center (CAN)	\$ 67,059.85	\$ 42,369.96	\$ 45,353.50	\$ 48,251.48	\$ 58,587.18	\$ 79,492.32	\$ 91,990.34	\$ 87,046.97	\$ (12,925.06)	\$ 137,996.10	\$ 645,222.64	\$ 433,555.03	\$ 211,667.61	\$ 162,201.86	\$ 373,869.47
R100	Walter H. Moran Jr. General Surgery Resident Research	Medicine(MED)	Medicine (MED)	\$ 65,191.73	\$ 19,117.84	\$ 19,462.15	\$ 13,538.57	\$ 18,445.30	\$ (30,487.10)	\$ 18,940.83	\$ 17,508.70	\$ (1,125.07)	\$ 18,757.04	\$ 159,349.99	\$ 29,447.45	\$ 129,902.54	\$ 20,031.69	\$ 149,934.23
R103	Schoepp Neuroscience Research Student Support	Medicine(MED)	Medicine (MED)	\$ 10,878.56	\$ 5,189.25	\$ 5,202.38	\$ 4,714.40	\$ 4,815.56	\$ 6,247.01	\$ 4,722.48	\$ 4,712.59	\$ (2,248.77)	\$ 4,974.74	\$ 49,208.20	\$ 26,175.28	\$ 23,032.92	\$ 5,620.50	\$ 28,653.42
R106	Verizon WV for Biometrics	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 71,717.52	\$ 24,152.12	\$ 24,206.86	\$ 21,958.34	\$ 22,509.39	\$ 29,534.79	\$ 21,980.42	\$ 22,842.99	\$ (11,240.93)	\$ 23,322.19	\$ 250,983.69	\$ 166,490.79	\$ 84,492.90	\$ 26,366.23	\$ 110,859.13
R107	Raymond Brooks Vanscoy Cancer Research Endowment	Cancer Center(CAN)	Cancer Center (CAN)	\$ 16,798.83	\$ 11,224.59	\$ 13,395.08	\$ 13,360.13	\$ 14,852.22	\$ 18,677.19	\$ 17,319.65	\$ 17,076.91	\$ (3,685.48)	\$ 18,494.16	\$ 137,513.28	\$ 117,698.07	\$ 19,815.21	\$ 22,621.51	\$ 42,436.72
R108	Allen S. Pack Endowment for Mining Engineering	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 8,700.43	\$ 5,261.21	\$ 4,801.56	\$ 4,357.40	\$ 4,427.32	\$ 5,945.27	\$ 4,379.67	\$ 4,492.57	\$ (2,256.13)	\$ 4,588.15	\$ 44,697.45	\$ 31,298.73	\$ 13,398.72	\$ 5,308.21	\$ 18,706.93
R109	L. Zane Shuck Laboratory Endowment in Nanobiotechnology	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 25,615.53	\$ 9,617.61	\$ 9,639.17	\$ 8,745.05	\$ 8,964.90	\$ 11,774.61	\$ 8,753.03	\$ 9,098.77	\$ (4,496.39)	\$ 9,290.19	\$ 97,002.47	\$ 52,825.99	\$ 44,176.48	\$ 10,506.12	\$ 54,682.60
R110	Alpha Natural Resources Endowment for Energy Research	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 31,993.78	\$ 24,966.44	\$ 25,004.06	\$ 25,906.10	\$ 26,529.69	\$ 35,011.11	\$ 25,926.14	\$ 26,941.09	\$ (13,490.94)	\$ 27,513.07	\$ 236,300.54	\$ 52,479.27	\$ 183,821.27	\$ 31,180.83	\$ 215,002.10
R113	Alan Susman Cortico-Basal Ganglionic Degeneration Research	Medicine(MED)	Medicine (MED)	\$ 28,368.37	\$ 10,030.64	\$ 10,053.43	\$ 9,118.43	\$ 9,347.17	\$ 12,257.91	\$ 9,128.31	\$ 9,484.84	\$ (4,657.12)	\$ 9,683.50	\$ 102,815.48	\$ 25,393.22	\$ 77,422.26	\$ 10,945.81	\$ 88,368.07
R114	Blaine S. West Endowment for Civil and Environmental Engineering	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 36,458.45	\$ 10,094.28	\$ 10,117.10	\$ 9,176.55	\$ 9,407.24	\$ 12,343.36	\$ 9,186.50	\$ 9,546.82	\$ (4,698.08)	\$ 9,747.10	\$ 111,379.32	\$ 124,240.16	\$ (12,860.84)	\$ 11,019.32	\$ (1,841.52)
R115	William J. Maier, Jr. Chair of Research	Health Sciences - Charleston Division(MCC)	Health Sciences - Charleston Division (MCC)	\$ 123,571.88	\$ 94,611.05	\$ 94,815.79	\$ 86,044.07	\$ 88,105.87	\$ 116,396.16	\$ 86,103.44	\$ 89,480.45	\$ (44,970.59)	\$ 91,384.91	\$ 825,543.03	\$ 185,048.16	\$ 640,494.87	\$ 103,610.12	\$ 744,104.99
R116	Branson-Maddrell Endowed Professorship in Orthodontics	Dentistry(DEN)	Dentistry (DEN)	\$ 61,907.83	\$ 42,811.27	\$ 42,904.37	\$ 38,931.69	\$ 39,851.33	\$ 52,614.42	\$ 38,959.57	\$ 40,467.95	\$ (20,256.52)	\$ 41,326.86	\$ 379,518.77	\$ 353,628.67	\$ 25,890.10	\$ 46,853.74	\$ 72,743.84
R117	George B. Bennett Dean's Research Opportunity Endowment	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 239,051.11	\$ 97,264.66	\$ 97,489.29	\$ 88,423.19	\$ 90,630.87	\$ 118,743.74	\$ 88,518.48	\$ 91,953.53	\$ (44,963.71)	\$ 93,874.18	\$ 960,985.34	\$ 678,163.21	\$ 282,822.13	\$ 106,082.52	\$ 388,904.65
R118	E. Elizabeth Morgan Cancer Research	Cancer Center(CAN)	Cancer Center (CAN)	\$ 6,282.37	\$ 2,560.30	\$ 2,565.61	\$ 2,326.38	\$ 2,384.83	\$ 3,129.08	\$ 2,329.34	\$ 2,420.79	\$ (1,190.32)	\$ 2,471.56	\$ 25,279.94	\$ 22,369.18	\$ 2,910.76	\$ 2,794.00	\$ 5,704.76
R119	Badzek Family Endowment for Nursing Research	Nursing(NSG)	Nursing (NSG)	\$ 3,827.00	\$ 2,457.40	\$ 2,440.34	\$ 2,215.10	\$ 2,262.86	\$ 2,998.27	\$ 2,216.46	\$ 2,298.67	\$ (1,155.29)	\$ 2,347.60	\$ 21,908.41	\$ 10,000.00	\$ 11,908.41	\$ 2,667.62	\$ 14,576.03
R120	Ruth and Robert Kuhn Nursing Faculty Research	Nursing(NSG)	Nursing (NSG)	\$ 5,603.97	\$ 2,392.23	\$ 2,397.44	\$ 2,175.76	\$ 2,230.94	\$ 2,939.66	\$ 2,177.36	\$ 2,265.10	\$ (1,134.61)	\$ 2,313.20	\$ 23,361.05	\$ 9,660.35	\$ 13,700.70	\$ 2,618.21	\$ 16,318.91
R121	Hall - de Graaf Endowment for Women in Science & Engineering	Arts & Sciences(A&S)	Arts & Sciences (A&S)	\$ 5,431.22	\$ 2,371.38	\$ 2,376.58	\$ 2,156.12	\$ 2,210.68	\$ 2,912.23	\$ 2,157.57	\$ 2,244.93	\$ (1,124.09)	\$ 2,292.59	\$ 23,029.21	\$ 14,731.31	\$ 8,297.90	\$ 2,594.82	\$ 10,892.72
R122	Fithian Family Foundation #2/Behavioral Medicine- Psychiatry	Medicine(MED)	Medicine (MED)	\$ 14,225.36	\$ 9,439.44	\$ 9,459.59	\$ 8,585.80	\$ 8,769.56	\$ 11,636.76	\$ 8,590.78	\$ 8,908.46	\$ (4,498.24)	\$ 9,098.68	\$ 84,216.19	\$ 49,764.31	\$ 34,451.88	\$ 10,345.38	\$ 44,797.26
R123	WVUH Evidence Based Practice Research Professorship/Nursing	Nursing(NSG)	Nursing (NSG)	\$ 60,772.63	\$ 33,299.12	\$ 33,370.70	\$ 30,284.25	\$ 30,902.91	\$ 40,985.52	\$ 30,302.21	\$ 31,388.96	\$ (15,745.08)	\$ 32,056.14	\$ 307,617.36	\$ 152,542.17	\$ 155,075.19	\$ 36,458.86	\$ 191,534.05
R124	Grace C. Clements Speech Pathology and Audiology Research	Human Resources & Education(HRE)	Human Resources & Education (HRE)	\$ 8,110.06	\$ 4,521.25	\$ 4,533.84	\$ 4,112.76	\$ 4,220.15	\$ 5,538.51	\$ 4,120.99	\$ 4,146.77	\$ (2,108.68)	\$ 4,372.53	\$ 41,568.18	\$ 24,268.14	\$ 17,300.04	\$ 4,958.38	\$ 22,258.42
R125	Virginia Oil and Gas Research Endowment for PNGE	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 9,748.91	\$ 5,590.62	\$ 5,602.27	\$ 5,085.52	\$ 5,208.49	\$ 6,904.59	\$ 5,087.93	\$ 5,130.31	\$ (2,698.25)	\$ 5,406.21	\$ 51,066.60	\$ 20,416.81	\$ 30,649.79	\$ 6,142.69	\$ 36,792.48
R126	Michael Baker Corporation Endowment/CEE	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 8,202.22	\$ 7,158.89	\$ 7,174.30	\$ 6,509.98	\$ 6,652.62	\$ 8,797.11	\$ 6,515.10	\$ 6,755.90	\$ (3,373.46)	\$ 6,899.05	\$ 61,291.71	\$ 57,204.41	\$ 4,087.30	\$ 7,833.31	\$ 11,920.61
R127	Darrell & Diane Williams Research for PNGE	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 8,371.61	\$ 4,640.94	\$ 4,650.47	\$ 4,220.87	\$ 4,329.74	\$ 5,732.41	\$ 4,223.25	\$ 4,265.01	\$ (2,248.22)	\$ 4,494.18	\$ 42,680.26	\$ 14,513.11	\$ 28,167.15	\$ 5,100.16	\$ 33,267.31

WVU Research Trust Fund
Annual Report through Fiscal Year 2022

Fund ID	Fund Description	Budget Division	Unit	FY14 & Prior Budgets	FY15 Spend	FY16 Spend	FY 17 Spend	FY 18 Spend	FY19 Spend	FY20 Spend	FY21 Spend	FY21 Public Spend Return	FY22 Spend	Budget through FY22 Spend	Expenses through CLS-2022	Balance through FY22	FY23 Spend	Balance Forward
R128	Preservati Cancer Research	Cancer Center(CAN)	Cancer Center (CAN)	\$ 19,935.35	\$ 13,854.66	\$ 13,884.13	\$ 12,601.71	\$ 13,001.75	\$ 17,080.54	\$ 12,610.13	\$ 12,783.44	\$ (6,722.51)	\$ 13,470.93	\$ 122,500.13	\$ 78,255.58	\$ 44,244.55	\$ 15,219.34	\$ 59,463.89
R129	Martha Gaines & Russell Wehrle Pediatric Research Endowment	Qualifying - Biological, Biotech & Biomedical	Health Sciences - Charleston Division (MCC)	\$ 5,947.51	\$ 4,717.99	\$ 4,727.80	\$ 4,291.33	\$ 4,381.50	\$ 5,817.66	\$ 4,293.69	\$ 4,451.43	\$ (2,249.19)	\$ 4,546.53	\$ 40,926.25	\$ 8,300.82	\$ 32,625.43	\$ 5,171.39	\$ 37,796.82
R130	E. Jane Martin Research Doctoral Fund	Nursing(NSG)	Nursing (NSG)	\$ 3,765.27	\$ 2,390.73	\$ 2,396.28	\$ 2,174.38	\$ 2,210.19	\$ 2,946.42	\$ 2,177.21	\$ 2,247.37	\$ (1,125.10)	\$ 2,295.07	\$ 21,477.82	\$ 1,000.00	\$ 20,477.82	\$ 2,619.31	\$ 23,097.13
R131	John T. & June R. Chambers Chair of Oncology Research	Cancer Center(CAN)	Cancer Center (CAN)	\$ 80,991.71	\$ 69,410.20	\$ 69,553.32	\$ 63,140.72	\$ 64,770.18	\$ 85,803.93	\$ 63,170.99	\$ 63,812.58	\$ (33,723.23)	\$ 67,238.19	\$ 594,168.59	\$ 620,556.20	\$ (26,387.61)	\$ 76,315.73	\$ 49,928.12
R132	Christopher Cline Chair in Orthopedic Surgery	Medicine(MED)	Medicine (MED)	\$ 289,105.65	\$ 189,944.30	\$ 190,352.53	\$ 172,750.08	\$ 176,364.18	\$ 233,836.22	\$ 172,852.40	\$ 179,137.32	\$ (89,967.84)	\$ 182,948.19	\$ 1,697,323.03	\$ 1,503,324.34	\$ 193,998.69	\$ 208,003.81	\$ 402,002.50
R133	Mabel C. Phares Leukemia Research Endowment	Cancer Center(CAN)	Cancer Center (CAN)	\$ 116,260.95	\$ 32,843.74	\$ 32,910.92	\$ 29,878.51	\$ 30,380.77	\$ 40,651.33	\$ 29,885.26	\$ 29,935.99	\$ (15,753.22)	\$ 31,545.56	\$ 358,539.81	\$ 212,048.74	\$ 146,491.07	\$ 36,093.29	\$ 182,584.36
R134	Gary and Lisa Christopher Graduate Fellowship	Qualifying - Interdisciplinary	Engineering & Mineral Resources (EMR)	\$ 8,005.75	\$ 10,354.22	\$ 11,475.29	\$ 9,094.01	\$ 10,708.45	\$ 14,268.69	\$ 10,471.67	\$ 10,556.53	\$ (5,622.24)	\$ 10,790.46	\$ 90,102.83	\$ 57,801.22	\$ 32,301.61	\$ 12,667.66	\$ 44,969.27
R135	WV United Health System Evidence-Based Nursing Practice Res.	Nursing(NSG)	Nursing (NSG)	\$ 4,634.98	\$ 3,970.86	\$ 3,979.63	\$ 3,612.89	\$ 3,690.48	\$ 4,908.00	\$ 3,614.45	\$ 3,635.95	\$ (1,911.74)	\$ 3,831.51	\$ 33,967.01	\$ 18,086.46	\$ 15,880.55	\$ 4,364.07	\$ 20,244.62
R136	Mike Ross Family Pediatric Diabetes Research Endowment	Qualifying - Biological, Biotech & Biomedical	Medicine (MED)	\$ 51,100.53	\$ 38,283.26	\$ 38,364.96	\$ 34,818.16	\$ 35,396.78	\$ 47,145.86	\$ 34,835.07	\$ 35,956.16	\$ (18,001.16)	\$ 36,719.41	\$ 334,619.03	\$ 32,663.16	\$ 301,955.87	\$ 41,907.12	\$ 343,862.99
R137	Van Wyk Cancer Research Endowment	Cancer Center(CAN)	Cancer Center (CAN)	\$ 2,286.82	\$ 2,369.11	\$ 2,374.00	\$ 2,154.47	\$ 2,204.78	\$ 2,914.76	\$ 2,155.74	\$ 2,239.19	\$ (1,124.34)	\$ 2,286.81	\$ 19,861.34	\$ 8,234.21	\$ 11,627.13	\$ 2,594.30	\$ 14,221.43
R138	Robert T. Bruhn Physics Research Endowment	Arts & Sciences(A&S)	Arts & Sciences (A&S)	\$ 10,479.88	\$ 4,920.12	\$ 4,929.72	\$ 4,474.98	\$ 4,550.70	\$ 6,093.51	\$ 4,475.46	\$ 4,484.63	\$ -	\$ 4,725.47	\$ 49,134.47	\$ -	\$ 49,134.47	\$ 5,311.86	\$ 54,446.33
R139	Women in Science and Engineering Giving Circle Endowment	Qualifying - Interdisciplinary	Arts & Sciences (A&S)	\$ 3,568.78	\$ 2,379.04	\$ 2,384.07	\$ 2,164.17	\$ 2,200.37	\$ 2,934.86	\$ 2,165.65	\$ 2,166.14	\$ (1,125.07)	\$ 2,283.17	\$ 21,121.18	\$ 3,364.67	\$ 17,756.51	\$ 2,609.70	\$ 20,366.21
R140	Jarrett Family Research Endowment for Dentistry	Dentistry (DEN)	Dentistry (DEN)	\$ 14,827.90	\$ 9,399.93	\$ 9,419.64	\$ 8,551.08	\$ 8,694.46	\$ 11,628.97	\$ 8,553.48	\$ 8,566.26	\$ (4,500.29)	\$ 8,487.13	\$ 83,628.56	\$ 24,728.25	\$ 58,900.31	\$ 10,327.18	\$ 69,227.49
R141	Donald R. & Linda E. Holcomb Research Endowment Dentistry	Qualifying - Biological, Biotech & Biomedical	Dentistry (DEN)	\$ 6,393.24	\$ 9,184.74	\$ 9,203.22	\$ 7,301.36	\$ 8,576.05	\$ 11,458.77	\$ 8,406.34	\$ 8,455.23	\$ (4,498.81)	\$ 8,642.46	\$ 73,122.60	\$ 48,611.07	\$ 24,511.53	\$ 10,168.08	\$ 34,679.61
R142	Arch Coal Inc. Endowment for Mine Health & Safety Research	Engineering & Mineral Resources (EMR)	Engineering & Mineral Resources (EMR)	\$ 24,922.03	\$ 23,403.84	\$ 23,458.56	\$ 23,328.89	\$ 23,798.75	\$ 31,003.45	\$ 23,364.20	\$ 23,310.45	\$ (11,245.51)	\$ 24,602.55	\$ 209,947.21	\$ 89,291.85	\$ 120,655.36	\$ 27,853.43	\$ 148,508.79
R143	Shaw Pathology Research	Qualifying - Biological, Biotech & Biomedical	Medicine (MED)	\$ 7,919.37	\$ 4,793.89	\$ 4,804.60	\$ 4,360.15	\$ 4,432.30	\$ 5,901.62	\$ 4,362.50	\$ 4,502.25	\$ (2,250.14)	\$ 4,597.72	\$ 43,424.26	\$ 8,437.01	\$ 34,987.25	\$ 5,246.60	\$ 40,233.85
R144	Dr. Mohindar S. Seehra Research Award	Arts & Sciences (A&S)	Arts & Sciences (A&S)	\$ 6,289.66	\$ 2,373.05	\$ 2,377.86	\$ 2,158.19	\$ 2,194.21	\$ 2,927.72	\$ 2,157.88	\$ 2,228.30	\$ -	\$ 2,275.88	\$ 24,982.75	\$ 1,264.00	\$ 23,718.75	\$ 2,553.37	\$ 26,272.12
R145	Oleg D. & Valentina P. Jefimenko Library Resources #2	Library (LIB)	Library (LIB)	\$ 30,671.04	\$ 17,249.19	\$ 17,384.71	\$ 15,500.33	\$ 15,587.05	\$ 15,906.99	\$ 15,696.12	\$ 15,311.93	\$ -	\$ 15,413.42	\$ 158,720.78	\$ 158,720.74	\$ 0.04	\$ 16,259.87	\$ 16,259.91
R146	Frank and Susan Klatskin Cerminara Endowment	Qualifying - Interdisciplinary	Engineering & Mineral Resources (EMR)	\$ 3,065.12	\$ 3,274.79	\$ 4,479.59	\$ 4,261.72	\$ 4,558.07	\$ 5,849.18	\$ 4,737.77	\$ 4,646.14	\$ (1,799.15)	\$ 5,041.26	\$ 38,114.49	\$ 19,639.41	\$ 18,475.08	\$ 5,626.85	\$ 24,101.93
R147	Nesselroad Family Glaucoma Research	Qualifying - Biological, Biotech & Biomedical	Medicine (MED)	\$ 5,412.79	\$ 6,672.77	\$ 6,689.51	\$ 6,070.02	\$ 6,213.72	\$ 8,195.76	\$ 6,206.55	\$ 6,437.99	\$ (3,147.99)	\$ 6,572.46	\$ 55,323.58	\$ 10,779.47	\$ 44,544.11	\$ 7,438.89	\$ 51,983.00
R148	Salvatore and Josephine Cileto Research Enhancement	Qualifying - Interdisciplinary	Engineering & Mineral Resources (EMR)	\$ 2,902.67	\$ 2,353.89	\$ 3,027.26	\$ 2,962.41	\$ 3,247.53	\$ 4,461.26	\$ -	\$ 3,565.71	\$ -	\$ 3,823.10	\$ 26,343.83	\$ 11,212.00	\$ 15,131.83	\$ 4,586.91	\$ 19,718.74
R149	Statler Research Endowment	Engineering & Mineral Resources (EMR)	Engineering & Mineral Resources (EMR)	\$ 774,902.92	\$ 746,644.80	\$ 889,621.40	\$ 849,119.16	\$ 867,755.33	\$ 1,153,700.17	\$ 849,469.69	\$ 854,830.75	\$ (449,805.38)	\$ 900,793.99	\$ 7,437,032.83	\$ 4,511,487.53	\$ 2,925,545.30	\$ 1,025,697.62	\$ 3,951,242.92
R150	WVU School of Medicine Research Endowment	Qualifying - Biological, Biotech & Biomedical	Medicine (MED)	\$ 47,014.17	\$ 35,152.13	\$ 35,229.84	\$ 31,967.01	\$ 32,822.84	\$ 43,167.98	\$ 31,998.10	\$ 33,325.46	\$ (16,673.30)	\$ 34,032.55	\$ 308,036.78	\$ -	\$ 308,036.78	\$ 38,549.18	\$ 346,585.96
V813	Quad/Graphics Chair in Internal Medicine, Eastern Division	Health Science East(HSE)	Health Science East (HSE)	\$ 214,733.08	\$ 93,816.58	\$ 94,017.22	\$ 85,327.11	\$ 87,517.22	\$ 115,566.29	\$ 85,383.79	\$ 86,150.10	\$ (44,963.71)	\$ 90,796.25	\$ 908,343.93	\$ 429,048.06	\$ 479,295.87	\$ 102,952.14	\$ 582,248.01

WVU Research Trust Fund
Annual Report through Fiscal Year 2022

Fund ID	Fund Description	Budget Division	Unit	FY14 & Prior Budgets	FY15 Spend	FY16 Spend	FY 17 Spend	FY 18 Spend	FY19 Spend	FY20 Spend	FY21 Spend	FY21 Public Spend Return	FY22 Spend	Budget through FY22 Spend	Expenses through CLS-2022	Balance through FY22	FY23 Spend	Balance Forward
V815	James H. Walker Chair of Pediatric Cardiology	Medicine(MED)	Medicine (MED)	\$ 138,428.65	\$ 25,275.66	\$ 25,324.91	\$ 20,131.10	\$ 28,332.67	\$ 39,414.36	\$ 34,329.23	\$ 12,550.63	\$ (12,550.63)	\$ 35,704.37	\$ 346,940.95	\$ 487,661.18	\$ (140,720.23)	\$ 48,682.20	\$ (92,038.03)
V824	James A. Kent Endowment for Biomedical Engineering	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 40,051.96	\$ 16,972.40	\$ 17,013.02	\$ 15,425.90	\$ 15,783.79	\$ 20,634.35	\$ 15,445.32	\$ 16,005.90	\$ (7,689.91)	\$ 16,336.24	\$ 165,978.97	\$ 139,096.42	\$ 26,882.55	\$ 18,464.41	\$ 45,346.96
V828	Osborn Professorship in Hematological Malignancies Research	Cancer Center(CAN)	Cancer Center (CAN)	\$ 178,442.27	\$ 61,145.60	\$ 61,285.68	\$ 55,609.42	\$ 56,999.65	\$ 74,708.84	\$ 55,668.88	\$ 57,835.36	\$ (28,327.14)	\$ 59,044.73	\$ 632,413.29	\$ 588,446.67	\$ 43,966.62	\$ 66,730.71	\$ 110,697.33
V829	BrickStreet Neurology Fellowship	Medicine(MED)	Medicine (MED)	\$ 20,396.56	\$ 9,527.34	\$ 9,548.39	\$ 8,663.68	\$ 8,865.83	\$ 11,703.83	\$ 8,671.21	\$ 9,003.87	\$ (4,497.28)	\$ 9,194.70	\$ 91,078.13	\$ -	\$ 91,078.13	\$ 10,425.29	\$ 101,503.42
V830	Robert E. Murray Chairmanship Mining Engineering Department	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 240,201.67	\$ 96,005.33	\$ 96,221.00	\$ 87,293.35	\$ 89,472.27	\$ 117,600.19	\$ 87,374.18	\$ 90,817.86	\$ (44,964.87)	\$ 92,731.02	\$ 952,752.00	\$ 583,704.36	\$ 369,047.64	\$ 104,902.38	\$ 473,950.02
V833	Rita Radcliff-Deppe & Brian Deppe Fellowship Award	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 6,748.16	\$ 4,148.99	\$ 4,160.55	\$ 3,766.35	\$ 3,839.28	\$ 4,920.67	\$ 3,775.14	\$ 3,743.89	\$ (1,681.60)	\$ 3,956.15	\$ 37,377.58	\$ 6,539.22	\$ 30,838.36	\$ 4,457.13	\$ 35,295.49
V835	Energy Materials Science & Engineering Facilities Support	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 760.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 760.00	\$ -	\$ 760.00	\$ -	\$ 760.00
V841	Oleg D. and Valentina P. Jefimenko Library Resources	Library(LIB)	Library (LIB)	\$ 42,458.06	\$ 19,144.41	\$ 19,187.14	\$ 17,407.54	\$ 17,847.29	\$ 23,464.03	\$ 17,422.85	\$ 18,116.72	\$ (8,992.74)	\$ 18,499.03	\$ 184,554.33	\$ 184,232.49	\$ 321.84	\$ 20,925.55	\$ 21,247.39
V842	Oleg D. and Valentina P. Jefimenko Physics Fellowship	Arts & Sciences(A&S)	Arts & Sciences (A&S)	\$ 9,113.71	\$ 4,757.38	\$ 4,805.21	\$ 4,284.70	\$ 4,308.37	\$ 4,396.64	\$ 4,338.24	\$ 3,967.86	\$ -	\$ 4,260.44	\$ 44,232.55	\$ 7,430.85	\$ 36,801.70	\$ 4,505.64	\$ 41,307.34
V844	Bowlby Wood Science Graduate Research Fellowship	Agriculture & Forestry(AGR)	Agriculture & Forestry (AGR)	\$ 57,583.95	\$ 50,990.88	\$ 51,119.64	\$ 46,434.62	\$ 47,445.70	\$ 62,243.42	\$ 46,698.86	\$ 48,305.89	\$ (22,960.22)	\$ 49,295.60	\$ 437,158.34	\$ 250,673.73	\$ 186,484.61	\$ 55,746.91	\$ 242,231.52
V850	James P. Boland, M.D. Department of Surgery Endowed Research	Qualifying - Biological, Biotech & Biomedical	Health Sciences - Charleston Division (MCC)	\$ 34,613.93	\$ 29,786.99	\$ 30,385.23	\$ 27,758.17	\$ 28,151.39	\$ 32,716.65	\$ 28,165.21	\$ 26,882.23	\$ (6,479.95)	\$ 38,474.16	\$ 270,454.01	\$ -	\$ 270,454.01	\$ 44,653.69	\$ 315,107.70
V854	WVU Ruby Scholars Graduate Research Fellowships	Academic Affairs(AAR)	Academic Affairs (AAR)	\$ 1,077,020.30	\$ 489,473.38	\$ 492,539.15	\$ 449,760.40	\$ 464,039.56	\$ 607,423.23	\$ 458,277.63	\$ 474,804.89	\$ -	\$ 487,266.74	\$ 5,000,605.28	\$ 3,540,534.64	\$ 1,460,070.64	\$ 543,586.17	\$ 2,003,656.81
V858	Robert E. Pyle Chemical Engineering Graduate Fellowship	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 11,425.62	\$ 4,842.02	\$ 4,853.66	\$ 4,402.54	\$ 4,512.80	\$ 5,917.73	\$ 4,406.37	\$ 4,578.80	\$ (2,248.19)	\$ 4,674.70	\$ 47,366.05	\$ 23,711.65	\$ 23,654.40	\$ 5,284.08	\$ 28,938.48
V859	James & Ruby Romano Civil & Environmental Engineering End.	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 80,376.15	\$ 33,733.16	\$ 33,810.18	\$ 30,669.17	\$ 31,439.49	\$ 41,251.48	\$ 30,701.53	\$ 31,906.20	\$ (15,699.93)	\$ 32,575.51	\$ 330,762.94	\$ 263,502.30	\$ 67,260.64	\$ 36,827.16	\$ 104,087.80
V880	Robert & Stephany Ruffolo Pharmacy Graduate Fellowship	Pharmacy(PHR)	Pharmacy (PHR)	\$ 3,291.97	\$ 2,224.80	\$ 4,674.51	\$ 4,243.42	\$ 4,342.53	\$ 5,761.12	\$ 4,245.67	\$ 4,277.59	\$ (1,248.68)	\$ 4,507.68	\$ 36,320.61	\$ 8,000.00	\$ 28,320.61	\$ 5,084.15	\$ 33,404.76
V882	James and Betty Hall Fellowship	Qualifying - Interdisciplinary	Engineering & Mineral Resources (EMR)	\$ 5,063.97	\$ 9,449.02	\$ 9,468.96	\$ 8,595.04	\$ 8,738.65	\$ 11,674.29	\$ 8,597.77	\$ 8,606.92	\$ (4,500.29)	\$ 9,070.79	\$ 74,765.12	\$ 45,605.00	\$ 29,160.12	\$ 10,373.37	\$ 39,533.49
V886	Stuart M. & Joyce N. Robbins Distinguished Prof/Epidemiology	Qualifying - Biological, Biotech & Biomedical	Health Sciences Center (HSC)	\$ 76,041.30	\$ 93,751.72	\$ 93,949.93	\$ 85,273.22	\$ 87,312.47	\$ 115,619.13	\$ 85,322.25	\$ 85,968.57	\$ (44,971.57)	\$ 90,601.03	\$ 768,868.05	\$ 591,542.34	\$ 177,325.71	\$ 102,921.15	\$ 280,246.86
V887	Academy of Chemical Engineers Graduate Fellowship	Engineering & Mineral Resources(EMR)	Engineering & Mineral Resources (EMR)	\$ 10,184.78	\$ 13,614.86	\$ 14,815.60	\$ 14,154.56	\$ 14,515.48	\$ 18,477.40	\$ 14,281.29	\$ 14,130.77	\$ (6,155.42)	\$ 14,939.13	\$ 122,958.45	\$ 35,835.23	\$ 87,123.22	\$ 16,794.97	\$ 103,918.19
V892	J.F. Brick Chair in Neurology	Qualifying - Biological, Biotech & Biomedical	Medicine (MED)	\$ 222,418.50	\$ 140,998.90	\$ 141,289.29	\$ 128,267.85	\$ 130,421.90	\$ 174,436.10	\$ 128,300.38	\$ 128,496.65	\$ (67,504.34)	\$ 135,409.92	\$ 1,262,535.15	\$ 957,611.40	\$ 304,923.75	\$ 154,910.89	\$ 459,834.64
V894	Jack and Marietta Mullenger Fellowship	Qualifying - Biological, Biotech & Biomedical	Engineering & Mineral Resources (EMR)	\$ 752.86	\$ 2,266.03	\$ 2,957.19	\$ 2,655.54	\$ 2,689.62	\$ 3,076.47	\$ 2,676.60	\$ 2,546.84	\$ (562.14)	\$ 2,713.30	\$ 21,772.31	\$ 3,179.97	\$ 18,592.34	\$ 2,958.09	\$ 21,550.43
V900	Research Trust Fund Jefimenko Professorship in Physics	Qualifying - Interdisciplinary	Arts & Sciences (A&S)	\$ 33,458.84	\$ 22,560.43	\$ 22,485.17	\$ 20,812.86	\$ 21,408.59	\$ 35,632.10	\$ 20,545.40	\$ 22,510.45	\$ (22,510.45)	\$ 23,316.08	\$ 200,219.47	\$ 181,144.73	\$ 19,074.74	\$ 28,562.13	\$ 47,636.87
W762	Cyber Physical System Center	WVU Institute of Technology	WVU Institute of Technology	\$ 19,999.78	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,999.78	\$ 22,174.32	\$ (2,174.54)	\$ -	\$ (2,174.54)
			Sub-Totals	\$ 5,008,333.35	\$ 2,946,184.84	\$ 3,108,626.69	\$ 2,871,107.13	\$ 2,964,862.42	\$ 3,862,895.24	\$ 2,951,240.15	\$ 2,983,131.67	\$ (1,230,754.05)	\$ 3,179,040.92	\$ 28,644,668.36	\$ 18,546,829.27	\$ 10,097,839.09	\$ 3,621,197.08	\$ 13,719,036.17
Financial Aid Accounts																		

WVU Research Trust Fund
Annual Report through Fiscal Year 2022

Fund ID	Fund Description	Budget Division	Unit	FY14 & Prior Budgets	FY15 Spend	FY16 Spend	FY 17 Spend	FY 18 Spend	FY19 Spend	FY20 Spend	FY21 Spend	FY21 Public Spend Return	FY22 Spend	Budget through FY22 Spend	Expenses through CLS-2022	Balance through FY22	FY23 Spend	Balance Forward
Z232	Wells Fargo Energy Group Scholarship	Financial Aid(FAD)	Engineering & Mineral Resources (EMR)	\$ 17,695.37	\$ 8,495.53	\$ 8,513.57	\$ 7,727.16	\$ 7,868.22	\$ 10,487.38	\$ -	\$ 7,749.60	\$ -	\$ 8,167.52	\$ 76,704.35	\$ 14,500.00	\$ 62,204.35	\$ 9,161.29	\$ 71,365.64
Z238	Benjamin James Galford Research Scholarship	Financial Aid(FAD)	Arts & Sciences (A&S)	\$ 12,431.87	\$ 7,440.33	\$ 8,204.83	\$ 8,090.52	\$ 8,945.51	\$ 11,564.01	\$ -	\$ 10,464.24	\$ -	\$ 11,164.05	\$ 78,305.36	\$ 85,438.00	\$ (7,132.64)	\$ 12,161.16	\$ 5,028.52
Z245	Carl Del Signore Foundation Graduate Fellowship	Financial Aid(FAD)	Academic Affairs (AAR)	\$ 9,551.14	\$ 4,706.32	\$ 4,716.92	\$ 4,280.70	\$ 4,388.21	\$ 5,794.52	\$ -	\$ 4,457.11	\$ -	\$ 4,552.21	\$ 42,447.13	\$ 29,500.00	\$ 12,947.13	\$ 5,388.95	\$ 18,336.08
Z247	George M. & Mary Freda Vance Medical Scholarship-Fellowship	Financial Aid(FAD)	Cancer Center (CAN)	\$ 124,110.05	\$ 36,072.40	\$ 36,154.43	\$ 32,795.97	\$ 33,618.96	\$ 44,111.30	\$ 32,829.73	\$ 34,118.01	\$ (16,788.86)	\$ 34,833.73	\$ 391,855.72	\$ 400,071.63	\$ (8,215.91)	\$ 39,380.21	\$ 31,164.30
Z277	William S. Clapper Mechanical & Aerospace Engineering Scholarship	Financial Aid(FAD)	Engineering & Mineral Resources (EMR)	\$ 12,300.26	\$ 4,869.60	\$ 4,880.85	\$ 4,426.98	\$ 4,537.29	\$ 5,942.84	\$ -	\$ 4,602.96	\$ -	\$ 4,699.03	\$ 46,259.81	\$ 28,738.00	\$ 17,521.81	\$ 5,218.41	\$ 22,740.22
Z279	Everette C. Dubbe Research Scholarship	Financial Aid(FAD)	Engineering & Mineral Resources (EMR)	\$ 18,139.76	\$ 9,492.32	\$ 9,512.98	\$ 8,632.95	\$ 8,828.11	\$ 11,676.38	\$ -	\$ 8,966.00	\$ -	\$ 9,156.59	\$ 84,405.09	\$ 75,198.00	\$ 9,207.09	\$ 10,209.96	\$ 19,417.05
Z282	Oleg D. and Valentina P. Jefimenko Physics Scholarship	Qualifying - Interdisciplinary	Financial Aid (FAD)	\$ 5,984.63	\$ 3,548.99	\$ 3,588.22	\$ 3,198.72	\$ 3,216.65	\$ 3,282.10	\$ -	\$ 2,961.45	\$ -	\$ 3,179.82	\$ 28,960.58	\$ 32,150.00	\$ (3,189.42)	\$ 3,362.82	\$ 173.40
Z326	James Bergen and Randy Monteith Anderson Scholarship in MAE	Financial Aid(FAD)	Engineering & Mineral Resources (EMR)	\$ 3,415.52	\$ 2,355.38	\$ 2,361.01	\$ 2,142.04	\$ 2,208.59	\$ 2,889.42	\$ -	\$ 2,239.93	\$ -	\$ 2,287.45	\$ 19,899.34	\$ 10,075.00	\$ 9,824.34	\$ 2,532.79	\$ 12,357.13
Z329	Morton Scholarship	Financial Aid(FAD)	Engineering & Mineral Resources (EMR)	\$ 13,533.28	\$ 9,318.01	\$ 9,339.13	\$ 10,217.87	\$ 10,491.25	\$ 13,210.29	\$ -	\$ 16,186.35	\$ -	\$ 16,422.36	\$ 98,718.54	\$ 39,500.00	\$ 59,218.54	\$ 18,662.66	\$ 77,881.20
Z333	David VanDorn Sutton Scholarship	Financial Aid(FAD)	Financial Aid (FAD)	\$ 53,456.18	\$ 37,343.05	\$ 37,419.69	\$ 33,971.00	\$ 34,704.64	\$ 46,198.10	\$ -	\$ 34,195.06	\$ -	\$ 36,031.63	\$ 313,319.35	\$ -	\$ 313,319.35	\$ 40,319.12	\$ 353,638.47
Z337	William "Bill" Closser Memorial Electrical Engineering Sch.	Qualifying - Interdisciplinary	Financial Aid (FAD)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Z339	Morrissey-Ropp Scholarship	Financial Aid(FAD)	Arts & Sciences (A&S)	\$ 8,061.77	\$ 6,921.31	\$ 6,935.55	\$ 6,296.26	\$ 6,432.85	\$ 8,569.51	\$ -	\$ 6,339.01	\$ -	\$ 6,679.03	\$ 56,235.29	\$ 57,151.00	\$ (915.71)	\$ 7,475.03	\$ 6,559.32
Z341	Martha Hopkins Hashinger Scholarship	Financial Aid(FAD)	Engineering & Mineral Resources (EMR)	\$ 3,563.52	\$ 2,568.93	\$ 2,578.74	\$ 2,344.51	\$ 2,387.64	\$ 3,181.70	\$ -	\$ 2,352.69	\$ -	\$ 2,480.31	\$ 21,458.04	\$ 10,980.00	\$ 10,478.04	\$ 2,783.58	\$ 13,261.62
Z364	Research Trust Fund Taylor Endowment	Qualifying - Interdisciplinary	Engineering & Mineral Resources (EMR)	\$ 163.34	\$ 2,436.67	\$ 2,859.35	\$ 2,587.07	\$ 2,646.88	\$ 3,604.62	\$ 1,006.36	\$ 3,014.52	\$ -	\$ 3,677.65	\$ 21,996.46	\$ 1,050.00	\$ 20,946.46	\$ 4,986.51	\$ 25,932.97
Z365	Mitchell-Morey Family Endowed Scholarship	Qualifying - Interdisciplinary	Financial Aid (FAD)	\$ 2,011.72	\$ -	\$ 2,548.16	\$ 2,035.62	\$ 2,566.95	\$ 3,373.49	\$ -	\$ 2,802.19	\$ -	\$ 2,974.18	\$ 18,312.31	\$ -	\$ 18,312.31	\$ 3,504.64	\$ 21,816.95
Z368	Statler Research Scholars Program	Qualifying - Interdisciplinary	Financial Aid (FAD)	\$ 35,792.33	\$ 44,437.66	\$ 44,289.43	\$ 72,656.53	\$ 85,721.57	\$ 113,972.98	\$ -	\$ 84,502.68	\$ -	\$ 86,374.15	\$ 567,747.33	\$ 393,576.00	\$ 174,171.33	\$ 99,414.49	\$ 273,585.82
Z372	William E. & Bonniegal Kucan Coleman Research Scholarship	To Be Determined	Financial Aid (FAD)	\$ 1,459.93	\$ 1,243.55	\$ 1,252.19	\$ 1,115.61	\$ 1,121.99	\$ 1,144.53	\$ -	\$ 1,101.05	\$ -	\$ 1,108.35	\$ 9,547.20	\$ 14,666.00	\$ (5,118.80)	\$ 1,169.22	\$ (3,949.58)
Z375	Bettie D. Gallaher Research Fellowship	Qualifying - Interdisciplinary	Financial Aid (FAD)	\$ 37,570.07	\$ 44,862.48	\$ 48,341.57	\$ 44,276.53	\$ 44,661.37	\$ 48,135.66	\$ -	\$ 44,159.91	\$ -	\$ 44,579.92	\$ 356,587.51	\$ -	\$ 356,587.51	\$ 47,541.14	\$ 404,128.65
Sub-Totals				\$ 359,240.74	\$ 226,112.53	\$ 233,496.62	\$ 246,796.04	\$ 264,346.68	\$ 337,138.83	\$ 33,836.09	\$ 270,212.76	\$ (16,788.86)	\$ 278,367.98	\$ 2,232,759.41	\$ 1,192,593.63	\$ 1,040,165.78	\$ 313,271.98	\$ 1,353,437.76
Combined Totals				\$ 5,367,574.09	\$ 3,172,297.37	\$ 3,342,123.31	\$ 3,117,903.17	\$ 3,229,209.10	\$ 4,200,034.07	\$ 2,985,076.24	\$ 3,253,344.43	\$ (1,247,542.91)	\$ 3,457,408.90	\$ 30,877,427.77	\$ 19,739,422.90	\$ 11,138,004.87	\$ 3,934,469.06	\$ 15,072,473.93