

**WEST VIRGINIA UNIVERSITY  
RESEARCH CORPORATION**  
(A BLENDED COMPONENT UNIT OF  
WEST VIRGINIA UNIVERSITY)

**FINANCIAL STATEMENTS AND  
SINGLE AUDIT COMPLIANCE REPORT**

**YEARS ENDED JUNE 30, 2022 AND 2021**



CPAs | CONSULTANTS | WEALTH ADVISORS

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RESEARCH CORPORATION  
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## INDEPENDENT AUDITORS' REPORT

Board of Directors  
West Virginia University Research Corporation  
Morgantown, West Virginia

### **Report on the Audit of the Financial Statements**

#### ***Opinions***

We have audited the accompanying financial statements of the business-type activities of the West Virginia University Research Corporation, a blended component unit of West Virginia University, as of and for the years ended June 30, 2022 and 2021, and the related notes to the financial statements, which collectively comprise the West Virginia University Research Corporation's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the business-type activities of the West Virginia University Research Corporation, as of June 30, 2022 and 2021, and the respective changes in financial position, and cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

#### ***Basis for Opinions***

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the West Virginia University Research Corporation and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

#### ***Responsibilities of Management for the Financial Statements***

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the West Virginia University Research Corporation's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

***Auditors' Responsibilities for the Audit of the Financial Statements***

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of West Virginia University Research Corporation's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about West Virginia University Research Corporation's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters that we identified during the audit.

**Required Supplementary Information**


Accounting principles generally accepted in the United States of America require that the management's discussion and analysis be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with GAAS, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

**Supplementary Information**

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the West Virginia University Research Corporation's basic financial statements. The schedule of expenditures of federal awards, as required by Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with GAAS. In our opinion, the supplementary information is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

**Other Reporting Required by Government Auditing Standards**

In accordance with *Government Auditing Standards*, we have also issued our report dated October 15, 2022, on our consideration of the West Virginia University Research Corporation's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the West Virginia University Research Corporation's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering West Virginia University Research Corporation's internal control over financial reporting and compliance.



**CliftonLarsonAllen LLP**

Plymouth Meeting, Pennsylvania  
October 15, 2022

# WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION

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## Management's Discussion and Analysis (Unaudited) Year Ended June 30, 2022

### Overview

The Management's Discussion and Analysis is required supplementary information and has been prepared in accordance with the requirements of the Governmental Accounting Standards Board ("GASB"). This section of the West Virginia University Research Corporation's (the "Corporation") annual financial report provides an overview of the Corporation's financial performance during the fiscal year ended June 30, 2022 as compared to the previous fiscal year. Comparative analysis is also presented for fiscal year 2021 compared to fiscal year 2020.

The Corporation's annual report consists of three basic financial statements: the statement of net position, the statement of revenues, expenses and changes in net position, and the statement of cash flows. These statements focus on the financial condition, the results of operations, and cash flows of the Corporation as a whole. Each of these statements is discussed below.

### Net Position

The statements of net position present the assets (current and noncurrent), deferred outflows of resources, liabilities (current and noncurrent), deferred inflows of resources, and net position (assets and deferred outflows of resources minus liabilities and deferred inflows of resources) of the Corporation as of the end of the fiscal years. Assets denote the resources available to continue the operations of the Corporation. Deferred outflows of resources represent consumption of resources by the Corporation that is applicable to a future reporting period. Liabilities indicate how much the Corporation owes vendors, employees and West Virginia University (the "University"). Deferred inflows of resources are the acquisition of net position by the Corporation that is applicable to a future reporting period. Net position measures the equity or the availability of funds of the Corporation for future periods.

The components of Net Position are displayed in three major categories:

*Net investment in capital assets.* This category represents the Corporation's total investment in capital assets, net of accumulated depreciation and outstanding debt obligations related to those capital assets. To the extent debt has been incurred but not yet expended for capital assets, such amounts are not included as a component of net investment in capital assets.

*Restricted net position.* This category includes resources, the use of which is restricted, either due to externally imposed constraints or because of restrictions imposed by law. They are further divided into two additional components - nonexpendable and expendable. Nonexpendable includes endowment and similar type funds for which donors or other outside sources have stipulated, as a condition of the gift instrument, that the principal is to be maintained inviolate and in perpetuity and invested for the purpose of producing present and future income, which may either be expended or added to principal. Expendable includes resources for which the Corporation is legally or contractually obligated to spend resources in accordance with restrictions imposed by external third parties.

*Unrestricted.* This category includes resources that are not subject to externally imposed stipulations. Such resources are derived primarily from facilities and administrative earnings and revenues from royalties and investments. Unrestricted resources are used for transactions related to the educational and general operations of the Corporation and may be designated for specific purposes by action of the Corporation's Board of Directors.

## Condensed Statements of Net Position (in thousands)

	As of June 30		
	2022	2021	2020
<b>Assets</b>			
Current Assets	\$ 94,168	\$ 79,559	\$ 73,166
Noncurrent Assets	-	192	646
Capital and Intangible right to use Assets	65,978	66,167	65,033
Noncurrent Investments	1,018	403	343
Noncurrent Accounts Receivable	654	5,794	3,826
<b>Total Assets</b>	<b>\$ 161,818</b>	<b>\$ 152,115</b>	<b>\$ 143,014</b>
<b>Liabilities and Deferred Inflow of Resources</b>			
Current Liabilities	\$ 65,069	\$ 50,034	\$ 46,116
Noncurrent Liabilities	56,554	57,795	57,518
<b>Total Liabilities</b>	<b>\$ 121,623</b>	<b>\$ 107,829</b>	<b>\$ 103,634</b>
<b>Deferred Inflows of Resources</b>	<b>\$ 161</b>	<b>\$ 206</b>	<b>\$ 251</b>
<b>Total Liabilities and Deferred Inflows of Resources</b>	<b>\$ 121,784</b>	<b>\$ 108,035</b>	<b>\$ 103,885</b>
<b>Net Position</b>			
Net Investment in Capital Assets	\$ 15,355	\$ 15,033	\$ 14,331
Restricted for:			
Expendable	-	102	
Unrestricted	24,679	28,945	24,798
<b>Total Net Position</b>	<b>\$ 40,034</b>	<b>\$ 44,080</b>	<b>\$ 39,129</b>

Total assets of the Corporation increased by \$9.7 million to a total of \$161.8 million as of June 30, 2022. This change was primarily due to increases in accounts receivable net of allowances for doubtful accounts, cash and cash equivalents (current and noncurrent), and amounts due from the Higher Education Policy Commission. These increases were offset by decreases in investments (current) and accounts receivable from WVU Innovation Corporation (current and noncurrent). Total assets experienced an increase from fiscal year 2020 to fiscal year 2021 of \$9.1 million primarily due to an increase in investments (current), accounts receivable net of allowances for doubtful accounts, cash and cash equivalents (current and noncurrent), accounts receivable from WVU Innovation Corporation (current and noncurrent), capital and intangible right-to-use assets and leases receivable from the University (current and noncurrent).

- Current accounts receivable, net of allowances for doubtful accounts, increased to \$38.0 million in fiscal year 2022. This increase of \$10.5 million was experienced in both billed and unbilled amounts due on sponsored awards. In fiscal year 2021, this category increased \$1.8 million due to an increase in unbilled accounts on sponsored awards.
- Cash and cash equivalents, current and noncurrent, increased \$7.8 million when comparing fiscal year 2022 to fiscal year 2021. This increase is primarily due to an increase in cash in the dean's overhead accounts. This category experienced an increase of \$1.5 million in fiscal year 2021 primarily due to an increase in cash in the dean's overhead accounts.

- Amounts due from the Higher Education Policy Commission increased \$1.4 million to a total of \$1.7 million in fiscal year 2022. This increase was due to an increase in amounts due from the Commission for sponsored awards. This category decreased \$169,000 in fiscal year 2021.
- Current investments decreased \$2.6 million in fiscal year 2022 to a total of \$13.2 million. This change is due to a decline in investment performance as a result of market conditions. Current investments experienced an increase of \$2.9 million in fiscal year 2021 due to an overall increase in investment performance.
- Current and noncurrent accounts receivable from WVU Innovation Corporation decreased \$7.3 million in fiscal year 2022. In June 2022, the Board authorized the write off of \$4.7 million for amounts owed to the Corporation by WVUIC, including principal and interest. Such amounts due from WVUIC were deemed irrecoverable as a result of operating losses sustained by WVUIC and its inability to pay back the debt. During fiscal year 2022, the University transferred \$2.5 million to the Corporation to partially repay the Corporation for the investment in WVUIC; the remainder of the note receivable was written off. Additionally, WVUIC's by laws were amended, effective April 1, 2022, such that WVUIC is no longer a component unit of the University. Accordingly, amounts due from WVUIC for subcontracts were reclassified to accounts receivable. This category experienced an increase of \$767,000 in fiscal year 2021 due to an increased line of credit, accrued interest on issued lines of credit, subcontracted awards to the Corporation, management salaries, fringe, and rent due to the Corporation.

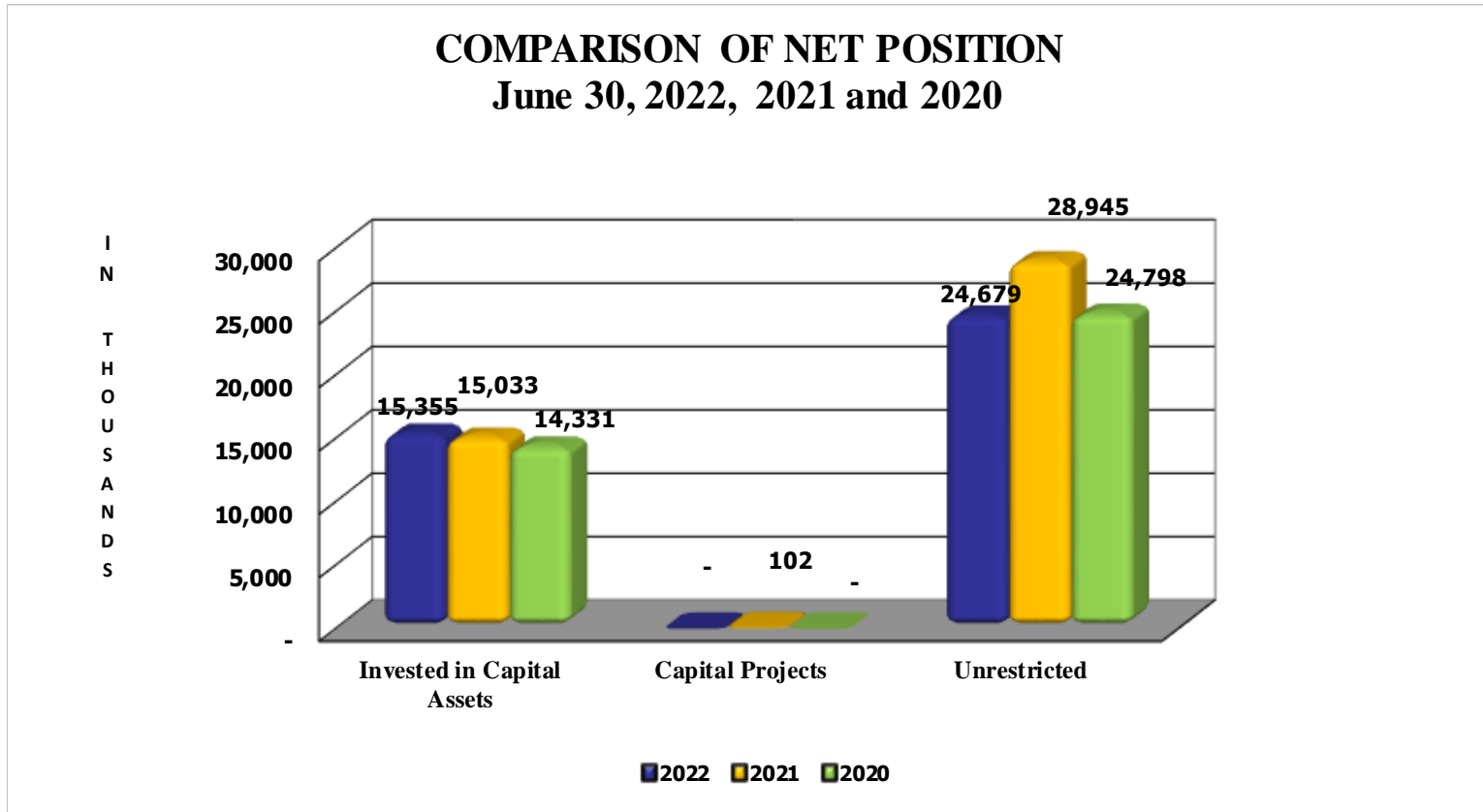
Total liabilities of the Corporation as of June 30, 2022 increased by \$13.8 million to a total of \$121.6 million in fiscal year 2022. The increase is mainly due to an increase in accounts payable to the University, accounts payable other, and unearned revenue. These increases were offset by an overall decrease in notes payable (current and noncurrent). Total liabilities of the Corporation increased \$4.2 million in fiscal year 2021 due to an increase in accounts payable to the University, accounts payable other, accrued payroll, compensated absences, unearned revenue, and leases payable (current and noncurrent) offset by a decrease in noncurrent notes payable.

- Accounts payable to the University increased \$1.8 million in fiscal year 2022 to a total of \$15.3 million. This increase can be primarily attributed to an increase in the transfer of dean's overhead net cash balances to the University. This category experienced an increase of \$2.4 million in fiscal year 2021 due to an increase in the transfer of dean's overhead net cash balances to the University.
- Accounts payable other increased \$3.2 million when comparing fiscal year 2022 to fiscal year 2021. This change can primarily be attributed to an increase in unpaid invoices at year end, primarily in dean's overhead accounts. Accounts payable increased \$445,000 in fiscal year 2021 due to an increase in procurement card payments due to US Bank.
- Unearned revenue increased \$9.6 million when comparing fiscal year 2022 to fiscal year 2021. This increase is directly related to scheduled sponsored award payments not yet expensed. Unearned revenue increased \$82,000 in fiscal year 2021 for similar reasons.
- Current and noncurrent notes payable decreased \$1.1 million. This fiscal year 2022 decrease is the result of debt service payments made on the Health Science Center United Bank loan and Beckley financing. Current and noncurrent notes payable decreased \$1.1 million in fiscal year 2021 due to the repayment of these loans.

The Corporation's current assets of \$94.2 million were sufficient to cover current liabilities of \$65.1 million indicating that the Corporation has sufficient available resources to meet its current obligations.



The following is a comparative illustration of net position:



Net investment in capital assets increased \$702,000 from the prior year due to debt service payments made in fiscal year 2022 offset by depreciation of assets. Net investment in capital assets decreased \$282,000 in fiscal year 2021 primarily due to debt service payments made in fiscal year 2021.

Capital projects net position decreased \$102,000 in fiscal year 2022. This change was due to an increase in the Beckley loan capital projects fund in fiscal year 2021 due to the final draw being made from TIAA. Capital projects net position increased \$102,000 in fiscal year 2021.

Unrestricted net position decreased \$4.3 million in fiscal year 2022 due to decreases in current investments and receivables due from WVU Innovation Corporation. These increases were offset by an increase in current cash and cash equivalents. Fiscal year 2021 experienced an increase of \$4.1 million primarily due to an increase of cash and cash equivalents, investments, and receivables due from WVU Innovation Corporation.

### Revenues, Expenses and Changes in Net Position

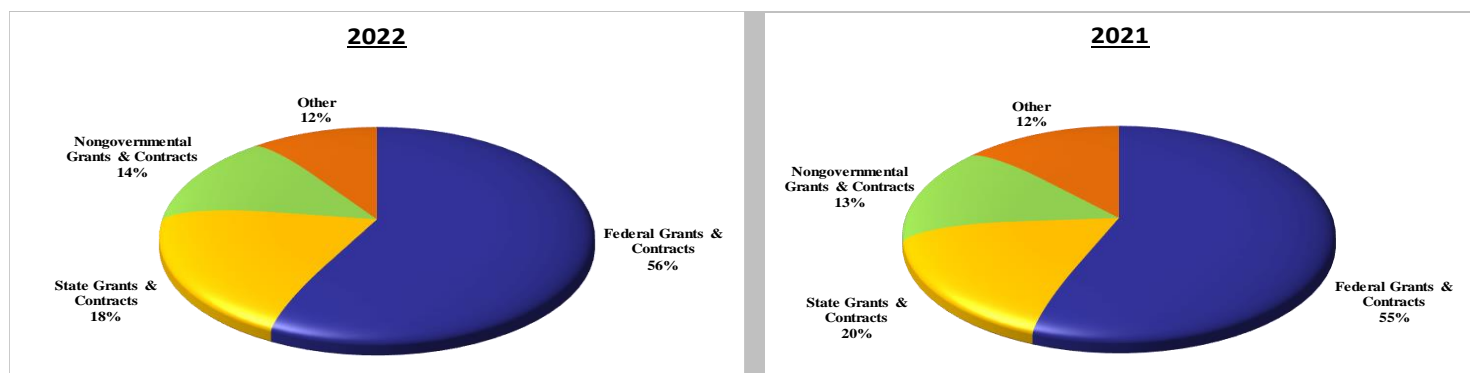
The statements of revenues, expenses and changes in net position present the operating revenues, operating expenses, nonoperating revenues and expenses and other revenues, expenses, gains, or losses of the Corporation. The utilization of capital assets is reflected in the financial statements as depreciation, which amortizes the cost of an asset over its expected useful life.

**Condensed Combined Schedules of Revenues, Expenses and Changes in  
Net Position (in thousands)**

	<b>Years Ended June 30</b>		
	<b>2022</b>	<b>2021</b>	<b>2020</b>
Operating Revenues	\$ 138,400	\$ 125,451	\$ 119,729
Operating Expenses	146,715	129,220	123,223
<b>Operating Loss</b>	<b>(8,315)</b>	<b>(3,769)</b>	<b>(3,494)</b>
Net Nonoperating Revenues	9,576	12,307	11,434
<b>Income (Loss) before Other Revenues, Expenses, Gains, or Losses</b>	<b>1,261</b>	<b>8,538</b>	<b>7,940</b>
Capital Grants and Gifts	4	188	248
Transfer of Assets to the University	(6,025)	(5,858)	(6,283)
Transfer of Assets from the University	714	1,099	909
<b>Increase (Decrease) in Net Position</b>	<b>(4,046)</b>	<b>3,967</b>	<b>2,814</b>
<b>Net Position at Beginning of Year</b>	<b>44,080</b>	<b>39,129</b>	<b>36,315</b>
<b>Cumulative Effect of Change in Accounting Principle</b>	<b>-</b>	<b>984</b>	<b>-</b>
<b>Net Position - Beginning of Year, As Restated</b>	<b>44,080</b>	<b>40,113</b>	<b>36,315</b>
<b>Net Position at End of Year</b>	<b>\$ 40,034</b>	<b>\$ 44,080</b>	<b>\$ 39,129</b>

Revenues:

The following charts illustrate the composition of revenues by source for 2022 and 2021.

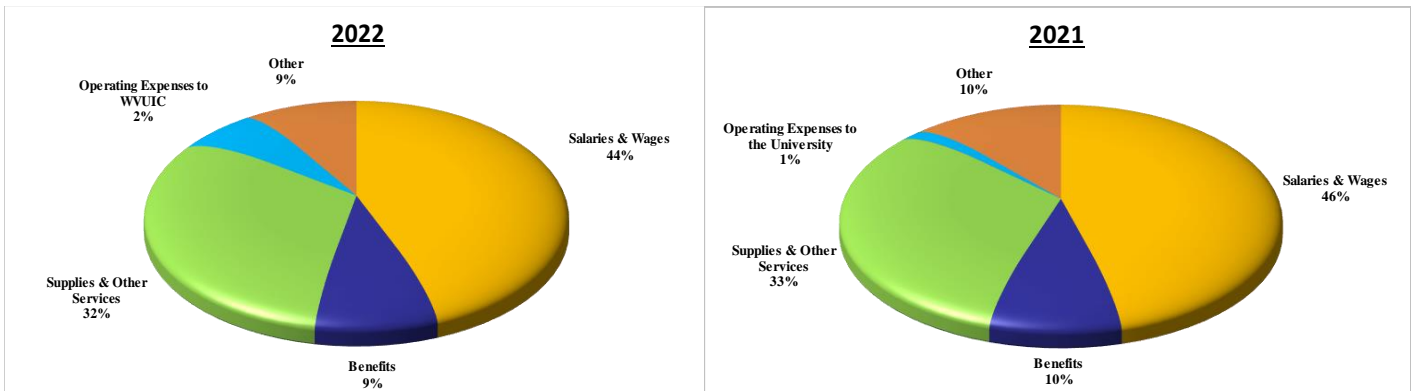


Total revenues for fiscal year 2022 were \$150.3 million, an increase of \$9.8 million compared to the previous year. The change in total revenues can be primarily attributed to an increase in federal and state grants and contracts, gifts, and net operating revenue from the University. This increase was offset by a decrease in investment income. Total revenues experienced an increase of \$6.6 million in fiscal year 2021 due to an increase in federal and nongovernmental grants and contracts. This increase was offset by decreases in state grants and contracts and net operating revenue from WWUC.

- Federal grants and contracts increased \$7.1 million in fiscal year 2022 to a total of \$87.7 million. This increase can be attributed to an increase in dean’s overhead, new awards and increased activity on existing awards. Federal grants and contracts experienced an increase of \$5.7 million in fiscal year 2021. This increase can be attributed to an increase in new awards and increased activity on existing awards.
- State grants and contracts increased \$4.2 million in fiscal year 2022 to a total of \$28.9 million due to an increase in dean’s overhead revenue and increased activity on existing awards. State grants and contracts decreased \$1.5 million in fiscal year 2021. This decrease is due to the completion of several awards as well as a decrease in dean’s overhead revenue.
- Revenue from gifts increased by \$2.1 million in fiscal year 2022 due to an increase in activity on Foundation backbill accounts and gifts received for the purchase and renovation of the former Cardello building on University Avenue in Morgantown as a remote worker hub for Ascend WV. Gifts decreased by \$1.4 million in fiscal year 2021.
- Net operating revenue from the University increased \$1.6 million in fiscal year 2022. Part of this increase was due to the transfer of \$2.5 million from the University in fiscal year 2022 to partially repay the Corporation for its investment in WVUIC. This increase was also due to an increase in the amount transferred from the University for the annual spend on the Research Trust Fund investments. A decrease in the transfer of dean’s overhead offset these increases in fiscal year 2022. Net operating expenses to the University decreased \$1.8 million in fiscal year 2021. This decrease was primarily due to a decrease in activity on awards subcontracted with the Corporation from the University.
- Investment income decreased by \$5.0 million in fiscal year 2022 as a result of unrealized losses on investments due to market conditions. Income from investments increased \$2.3 million in fiscal year 2021 as a result of unrealized gains.

Expenses:

The following is a graphic comparison of total expenses by category between 2022 and 2021.



Total expenses for fiscal year 2022 increased \$17.3 million to \$149.0 million. This increase is due to increases in salaries and wages, fringe benefits, net operating expense to WVU Innovation Corporation, and supplies and other services. Total expenses increased \$6.1 million in fiscal year 2021 due to increases in salaries and wages, net operating expense to WVU Innovation Corporation, and supplies and other services.

- Salaries and wages increased \$4.2 million to a total of \$67.9 million in fiscal year 2022. This increase was due to an increase in the number of full-time employees of the Corporation and an increase in work performed on sponsored awards by both state and Corporation employees. Salaries and wages increased in fiscal year 2021 by

\$3.5 million due to an increase in work performed on federal grants and contracts and nongovernmental grants and contracts for both state and Corporation employees.

- Net operating expenses from the Corporation to WVU Innovation Corporation increased \$7.4 million. This was due to the write off of \$4.7 million for amounts owed to the Corporation by WVUIC, including principal and interest, in fiscal year 2022. Such amounts due from WVUIC were deemed irrecoverable as a result of operating losses sustained by WVUIC and its inability to pay back the debt. Additionally, WVUIC's by laws were amended, effective April 1, 2022, such that WVUIC is no longer a component unit of the University. In fiscal year 2021, this category increased \$2.09 million. In fiscal year 2021, the Corporation provided \$2.5 million to WVU Innovation Corporation to make a payment against the United Bank loan. This payment was offset with a decrease in subcontracted revenue with the Corporation
- Supplies and other services increased \$4.9 million to \$49.1 million in fiscal year 2022. This was primarily due to increases in travel, subcontract expense, and the purchase of research and educational supplies. Supplies and other services increased \$1.1 million in fiscal year 2021 due to the resumption of grant and contract activity after the COVID-19 pandemic.
- Fringe benefits increased by \$1.1 million in fiscal year 2022. This was primarily due to an increase in the number of full-time benefits eligible employees of the Corporation from fiscal year 2021. This expense category increased by \$168,000 in fiscal year 2021.

## Cash Flows

The statements of cash flows provide information about the cash receipts, cash payments, and net change in cash resulting from the operating, investing, and financing (capital and noncapital) activities of the Corporation during the year. This statement helps users assess the Corporation's ability to generate net cash flows, its ability to meet obligations as they come due, and any potential need for external financing.

The statement of cash flows is divided into five sections:

*Cash flows from operating activities.* This section shows the net cash provided by the operating activities of the Corporation.

*Cash flows from noncapital financing activities.* This section reflects the cash received and paid for nonoperating, noninvesting, and noncapital financing purposes.

*Cash flows from capital financing activities.* This section includes cash used for the acquisition and construction of capital and related items.

*Cash flows from investing activities.* This section shows the purchases, proceeds, and interest received from investing activities.

*Reconciliation of operating income to net cash provided by operating activities.* This section provides a schedule that reconciles the accrual-based operating income (loss) and net cash provided by (used in) operating activities.

## Condensed Statements of Cash Flows (in thousands)

	<b>Years Ended June 30</b>		
	<b>2022</b>	<b>2021</b>	<b>2020</b>
<b>Cash Provided By (Used In):</b>			
Operating Activities	\$ 4,651	\$ (327)	\$ 5,912
Noncapital Financing Activities	13,784	11,658	12,959
Capital Financing Activities	(10,790)	(9,955)	(10,180)
Investing Activities	110	131	260
<b>Increase (Decrease) in Cash and Cash Equivalents</b>	<b>7,755</b>	<b>1,507</b>	<b>8,951</b>
Cash and Cash Equivalents, Beginning of Year	31,928	30,421	21,470
<b>Cash and Cash Equivalents, End of Year</b>	<b>\$ 39,683</b>	<b>\$ 31,928</b>	<b>\$ 30,421</b>

Total cash and cash equivalents increased by approximately \$7.8 million during fiscal year 2022 to \$39.7 million.

- Net cash provided by operating activities increased by \$5.0 million primarily due to increased inflows from grants and contracts and receipt of operating expenses from the University. These increased inflows were offset by increased outflows for payments to suppliers and to employees of the University and the Corporation. Net cash provided by operating activities experienced a decrease of \$6.2 million in fiscal year 2021 primarily due to an increased outflow for payments to employees of the University and Corporation, payments to suppliers, payments of benefits to the University and Corporation, and payments for scholarships and fellowships.
- Net cash provided by noncapital financing activities experienced an increase of \$2.1 million primarily due to increased inflows from gifts. This category experienced a decrease of \$1.3 million from fiscal year 2020 to fiscal year 2021 due to decreased inflows of gift revenue and increased outflows for other nonoperating payments
- Net cash used in capital financing activities increased by \$835,000 due to increased outflows for principal payments on capital debt. This was offset by decreased outflows for purchases of capital assets and interest payments on capital debt. Net cash used in capital financing activities experienced a decrease of \$225,000 in fiscal year 2021 million due to a decreased outflow for assets purchased and transferred to the University and decreased out flows on interest paid on capital debt. These decreases were offset by an increase in proceeds from leases to the University due to the implementation of the new lease standard in fiscal year 2021.
- Net cash provided by investing activities decreased by \$21,000 due to increased outflows for the purchase of investments which was offset by increased inflows from investment income. This category decreased \$129,000 in fiscal year 2021 due to increased outflows for the purchase of investments slightly offset by increased inflows of investment income.

## Capital Asset and Long-Term Debt Activity

During fiscal year 2006, the Board of Directors of the Corporation had approved a borrowing plan by the Corporation of up to \$24.4 million to finance certain improvements at the HSC including financing the construction of the Biomedical Research Building, and the HSC Learning Center and Library Addition. The Corporation had entered into construction loan and pledge agreements with the West Virginia Housing Development Fund, the West Virginia Economic Development Authority, and the West Virginia Infrastructure and Jobs Development Council to finance such projects. In December 2012, the loans were refinanced through United Bank. This refinance resulted in a fiscal year 2013 gain from early extinguishment of debt of \$592,000 and contributed to a decrease of \$355,000 in interest on capital debt. In fiscal year 2014, a deferred gain on refunding of \$521,000 was recorded as an adjustment to the fiscal year 2013 gain from early extinguishment of debt. Starting in fiscal year 2014, this gain is being amortized over the remaining life of the debt; as of June 30, 2022, the deferred gain on refunding was \$161,000. The United Bank loan amount is recorded as notes payable. Refer to the notes to the financial statements for more information.

The Corporation received a 30-year term loan from United Bank in December 2016. Proceeds of \$24 million were used to finance the costs associated with the acquisition of the land, facilities, construction, improvements, and operation of the Beckley campus. Additionally, the proceeds were used to pay the principal balance on the bridge loan received in fiscal year 2016 in full. In December of fiscal year 2018, the Corporation obtained a Senior Secured note with Wells Fargo Bank in the amount of \$42 million. Proceeds from the note were used to pay the United Bank loan and provide additional funding for Beckley campus improvements.

During fiscal year 2022, the Corporation transferred \$6.0 million in assets to the University which consisted of \$3.6 million in equipment, \$1.6 million of construction-in-progress, and \$870,000 in library materials. During fiscal year 2021, the Corporation transferred \$5.8 million in assets to the University which consisted of \$4.8 million in equipment, \$240,000 of construction-in-progress, and \$443,000 in library materials.

There have been no significant changes in credit ratings or debt limitations that may affect future financing for the Corporation. Refer to the notes to the financial statements for more information.

## Economic Outlook

Research is an integral part of the University's mission and the Corporation facilitates this mission through its role as fiscal agent for sponsored projects. The Corporation also uses its unique status to maximize the effectiveness of technology transfer in addition to its economic and business development functions. One important indication of this success is WVU's classification as an R1, Doctoral University – Highest Research Activity, by the Carnegie Foundation in fiscal year 2022 placing WVU among the 146 strongest research institutions in the U.S. Sponsored award expenditures came in at \$199 million for fiscal year 2022 with \$90 million coming from federal agencies (in fiscal year 2021 the numbers were \$189 million and \$80 million). As a result of this growth, the facilities and administrative costs ("F&A") recovered increased from \$31.7 million to \$35.4 million from fiscal year 2021 to fiscal year 2022 - an increase of \$3.7 million.

Comparing fiscal year 2022 to fiscal year 2021 for our primary federal research sponsors:

- National Science Foundation - funded expenditures grew from \$8.3 million to \$10.9 million
- Department of Health and Human Services - funded expenditures grew from \$42.8 million to \$46.1 million
- Department of Agriculture - funded expenditures grew from \$4.5 million to \$6.4 million
- National Aeronautics and Space Administration - funded expenditures grew from \$5.8 million to \$6.7 million

As a large Department of Energy ("DoE" project ended, our expenditures funded by DoE dropped slightly from \$11 million to \$10.6 million.

Investments in improving the competitiveness of the faculty through the implementation of programs by the Research Office is beginning to yield a noticeable return in terms of the dollar value of new awards. The most effective of these investments remain the Program to Stimulate Competitive Research, providing support to ensure that resubmitted proposals have a significantly enhanced probability of success, and an internal National Institutes of Health style study section at HSC, providing scientific review of grant applications prior to external submission to increase competitiveness.

While the University, and the Corporation, finds itself in a very dynamic funding environment, both are deploying innovative strategies to expand the quantity and quality of funding for the research enterprise from all sources and looks forward to continued success in the future.

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION**

**STATEMENTS OF NET POSITION  
AS OF JUNE 30, 2022 AND 2021**

(Dollars in Thousands)

	2022	2021
<b>ASSETS</b>		
Current Assets:		
Cash and cash equivalents	\$ 39,683	\$ 31,736
Investments	13,191	15,789
Accounts receivable - WVUIC, current portion	-	2,709
Leases receivable - WVU, current portion	329	319
Accounts receivable, net of allowances for doubtful accounts of \$860 and \$892	38,829	28,274
Due from the Higher Education Policy Commission	1,712	280
Prepaid expenses	424	452
Total current assets	<u>94,168</u>	<u>79,559</u>
Noncurrent Assets:		
Restricted cash and cash equivalents	-	192
Investments	1,018	403
Other accounts receivable	15	26
Notes receivable	300	500
Accounts receivable - WVUIC	-	4,600
Leases receivable - WVU	339	668
Capital and intangible right to use assets, net	65,978	66,167
Total noncurrent assets	<u>67,650</u>	<u>72,556</u>
<b>TOTAL ASSETS</b>	<u>\$ 161,818</u>	<u>\$ 152,115</u>
<b>LIABILITIES AND DEFERRED INFLOWS OF RESOURCES</b>		
Current Liabilities:		
Accounts payable	\$ 11,796	\$ 8,615
Accounts payable - West Virginia University	15,310	13,536
Accrued liabilities	-	192
Accrued payroll	5,332	4,973
Unearned revenue	29,267	19,674
Compensated absences	1,428	1,327
Leases payable, current portion	704	571
Notes payable, current portion	1,232	1,146
Total current liabilities	<u>65,069</u>	<u>50,034</u>
Noncurrent Liabilities:		
Leases payable	1,452	1,461
Notes payable	55,102	56,334
Total noncurrent liabilities	<u>56,554</u>	<u>57,795</u>
<b>TOTAL LIABILITIES</b>	<u>121,623</u>	<u>107,829</u>
<b>DEFERRED INFLOWS OF RESOURCES</b>		
Deferred gain on refunding	161	206
<b>TOTAL DEFERRED INFLOWS OF RESOURCES</b>	161	206
<b>TOTAL LIABILITIES AND DEFERRED INFLOWS OF RESOURCES</b>	<u>\$ 121,784</u>	<u>\$ 108,035</u>
<b>NET POSITION</b>		
Net investment in capital assets	\$ 15,355	\$ 15,033
Restricted for:		
Expendable:		
Capital projects	-	102
Total expendable	-	102
Unrestricted	24,679	28,945
<b>TOTAL NET POSITION</b>	<u>\$ 40,034</u>	<u>\$ 44,080</u>

See notes to financial statements.



**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION**

**STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION  
FOR THE YEARS ENDED JUNE 30, 2022 AND 2021**

(Dollars in Thousands)

	<b>2022</b>	<b>2021</b>
<b>OPERATING REVENUES</b>		
Federal grants and contracts	\$ 87,662	\$ 80,531
State grants and contracts	28,946	24,779
Local grants and contracts	164	212
Nongovernmental grants and contracts	19,553	19,618
Sales and services of educational departments	257	83
Net operating revenue from the University	1,625	-
Other operating revenues	193	228
Total operating revenues	<u>138,400</u>	<u>125,451</u>
<b>OPERATING EXPENSES</b>		
Salaries and wages	67,859	63,674
Benefits	14,529	13,464
Scholarships and fellowships	2,870	2,844
Utilities	200	272
Supplies and other services	49,056	44,171
Depreciation and amortization	2,664	2,632
Net operating expenses to the University	-	51
Net operating expenses to WVUIC	9,502	2,090
Other operating expenses	35	22
Total operating expenses	<u>146,715</u>	<u>129,220</u>
<b>OPERATING LOSS</b>	<u>(8,315)</u>	<u>(3,769)</u>
<b>NONOPERATING REVENUES (EXPENSES)</b>		
Payments on behalf of the Corporation	2	33
Gifts	13,788	11,664
Investment income (loss) (including unrealized gain (loss) of (\$3,262) and \$2,248)	(1,948)	3,078
Interest on capital asset-related debt	(2,286)	(2,496)
Interest revenue from the University	24	33
Other nonoperating expenses - net	(4)	(5)
Net nonoperating revenues	<u>9,576</u>	<u>12,307</u>
<b>INCOME BEFORE OTHER REVENUES, EXPENSES, GAINS, OR LOSSES</b>	1,261	8,538
Capital grants and gifts	4	188
<b>INCREASE IN NET POSITION BEFORE TRANSFERS</b>	1,265	8,726
<b>TRANSFER OF ASSETS TO THE UNIVERSITY</b>	(6,025)	(5,858)
<b>TRANSFER OF ASSETS FROM THE UNIVERSITY</b>	714	1,099
<b>INCREASE (DECREASE) IN NET POSITION</b>	(4,046)	3,967
<b>NET POSITION--BEGINNING OF YEAR</b>	44,080	39,129
<b>CUMULATIVE EFFECT OF CHANGE IN ACCOUNTING PRINCIPLE</b>	-	984
<b>NET POSITION--BEGINNING OF YEAR, AS RESTATED</b>	44,080	40,113
<b>NET POSITION--END OF YEAR</b>	<u>\$ 40,034</u>	<u>\$ 44,080</u>

See notes to financial statements.

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION**

**STATEMENTS OF CASH FLOWS  
FOR THE YEARS ENDED JUNE 30, 2022 AND 2021**

(Dollars in Thousands)

	2022	2021
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
Grants and contracts	\$ 133,882	\$ 123,407
Payments to suppliers	(46,348)	(43,442)
Payments to employees of the University and Corporation	(67,750)	(63,476)
Payments for benefits to the University and Corporation	(13,806)	(14,081)
Payments for utilities	(189)	(290)
Payments for scholarships and fellowships	(2,870)	(2,844)
Receipts (payments) of operating expenses to the University	1,207	(473)
Other receipts	525	872
Net cash provided by (used in) operating activities	<u>4,651</u>	<u>(327)</u>
<b>CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES</b>		
Gifts	13,788	11,663
Other nonoperating payments	(4)	(5)
Cash provided by noncapital financing activities	<u>13,784</u>	<u>11,658</u>
<b>CASH FLOWS FROM CAPITAL FINANCING ACTIVITIES</b>		
Capital gifts and grants received	4	188
Purchases of capital assets	(7,079)	(7,379)
Proceeds from leases to the University	344	347
Principal paid on capital debt and leases	(1,728)	(569)
Interest paid on capital debt and leases	(2,331)	(2,542)
Net cash used in capital financing activities	<u>(10,790)</u>	<u>(9,955)</u>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>		
Investment income	1,189	830
Purchases of investments	(1,079)	(699)
Net cash provided by investing activities	<u>110</u>	<u>131</u>
<b>INCREASE IN CASH AND CASH EQUIVALENTS</b>	7,755	1,507
<b>CASH AND CASH EQUIVALENTS - BEGINNING OF YEAR</b>	<u>31,928</u>	<u>30,421</u>
<b>CASH AND CASH EQUIVALENTS - END OF YEAR</b>	<u>\$ 39,683</u>	<u>\$ 31,928</u>

(continued)

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION**

**STATEMENTS OF CASH FLOWS (CONTINUED)  
FOR THE YEARS ENDED JUNE 30, 2022 AND 2021**

(Dollars in Thousands)

	2022	2021
<b>Reconciliation of operating loss to net cash used in operating activities:</b>		
Operating loss	\$ (8,315)	\$ (3,769)
Adjustments to reconcile operating loss to net cash used in operating activities:		
Depreciation and amortization expense	2,664	2,632
Expenses paid on behalf of the Corporation	2	33
Changes in assets and liabilities:		
Accounts receivable, net	(3,111)	(2,529)
Due from the Commission	(1,433)	169
Prepaid expenses	28	(165)
Accounts payable	4,956	2,880
Accrued liabilities	166	257
Unearned revenue	9,593	82
Compensated absences	101	83
Net cash provided by (used in) operating activities	<u>\$ 4,651</u>	<u>\$ (327)</u>
Noncash Transactions:		
Unrealized gain (loss) on investments	<u>\$ (3,262)</u>	<u>\$ 2,248</u>
Deferred gain on refunding	<u>\$ 45</u>	<u>\$ 45</u>
Capital assets transferred to the University	<u>\$ (714)</u>	<u>\$ (1,099)</u>
Capital assets transferred from the University	<u>\$ 6,025</u>	<u>\$ 5,858</u>
Expenses paid on behalf of the Corporation	<u>\$ 2</u>	<u>\$ 33</u>
<b>Reconciliation of cash and cash equivalents to the statements of net position:</b>		
Cash and cash equivalents classified as current assets	\$ 39,683	\$ 31,736
Cash and cash equivalents classified as noncurrent assets	-	192
	<u>\$ 39,683</u>	<u>\$ 31,928</u>

See notes to financial statements.

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION**  
**NOTES TO FINANCIAL STATEMENTS**  
**YEARS ENDED JUNE 30, 2022 AND 2021**

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**1. ORGANIZATION**

West Virginia University Research Corporation (the "Corporation") is a not-for-profit corporation incorporated in 1986, pursuant to the laws of the State of West Virginia (the "State"). The purpose of the Corporation is to foster and support research at West Virginia University (the "University") and to provide commercial outlets for the research activities of the University faculty, staff and students. With the assistance of the University, the Corporation has been designated by the University to fulfill the role of public institutions to work in partnership with business, industry or government and encourages the acceptance of gifts, grants, contracts and equipment, and the sharing of facilities, equipment and skilled personnel to promote and develop joint, applied research and development, technical assistance and instructional programs in the State. The Corporation receives grants on behalf of the University, some of which are for the construction or acquisition of capital assets. These expenditures are recorded on the Corporation's records and the completed or substantially completed asset is transferred to the University as the beneficiary of the asset. The portion of the assets financed by the notes payable are recorded on the Corporation's records (see Note 11). The Corporation exists as an organization separate from the University. West Virginia State code allows the Corporation to employ personnel separate from the University. The Corporation chose to exercise this option effective January 1, 2005. The Corporation maintains a payroll and human resources information system separate from the University. The Corporation first began fulfilling its purpose in 1990.

**2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

The financial statements of the Corporation have been prepared in accordance with generally accepted accounting principles as prescribed by the Governmental Accounting Standards Board (GASB). The financial statement presentation required by GASB provides a comprehensive, entity-wide perspective of the Corporation's assets, deferred outflows of resources, liabilities, deferred inflows of resources, net position, revenues, expenses, changes in net position and cash flows.

- a. *Reporting Entity* – The Corporation is a blended component unit of the University, as the University is the sole member of the non-stock not-for-profit corporation and is combined in the University's financial statements. The University is an operating unit of the West Virginia Higher Education Fund and represents separate funds of the State that are not included in the State's general fund. The University is a separate entity, which, along with all State institutions of higher education, the West Virginia Higher Education Policy Commission (the "Commission") (which includes West Virginia Network for Educational Telecomputing (WVNET)), and the West Virginia Council for Community and Technical College Education form the Higher Education Fund of the State. The Higher Education Fund is considered a component unit of the State, and its financial statements are discretely presented in the State's comprehensive annual financial report.

The accompanying financial statements include financial information as of June 30, 2022 and June 30, 2021 and for the period from July 1, 2021 through June 30, 2022 and July 1, 2020 through June 30, 2021 for fiscal years 2022 and 2021, respectively, of F&P Realty Company (the “Company”), in which the Corporation is the sole stockholder. The Corporation purchased all of the outstanding shares of the Company on October 31, 2010.

- b. *Basis of Accounting* – For financial reporting purposes, the Corporation is considered a special-purpose government engaged only in business-type activities. Accordingly, the financial statements of the Corporation have been prepared on the accrual basis of accounting with a flow of economic resources measurement focus. Revenues are reported when earned and expenses are reported when materials or services are received. All accounts and transactions between the Corporation and the Company have been eliminated.
- c. *Cash and Cash Equivalents* – For purposes of the statement of net position, the Corporation considers all highly liquid investments with an original maturity of three months or less to be cash equivalents.

Cash in bank accounts may include deposits in the Insured Cash Sweep (ICS) program.

- d. *Investments* – Investments that are (1) externally restricted to make debt service payments or to maintain sinking funds or reserve funds, to purchase capital or other noncurrent assets or to settle long-term liabilities, or (2) permanently restricted components of net position are classified as a noncurrent asset on the statement of net position. All other investments are classified as current or noncurrent based on the underlying investment.
- e. *Accounts Receivable – West Virginia University Innovation Corporation* – Accounts receivable – West Virginia University Innovation Corporation (“WVUIC”) primarily includes the Corporation’s receivable from WVUIC for professional services (salaries, fringe benefits, rent and other expenses).
- f. *Accounts Receivable* – Accounts receivable include amounts receivable from sponsoring agencies on contracts and grants.

In November 2009, the University changed the payroll method for all non-exempt benefit-eligible employees from current payroll to payroll in arrears. In September 2014, all other employees remaining on current payroll were moved to payroll in arrears. For both groups of employees, the University issued a “no hardship payment” to cover the transition period from current payroll to arrears payroll. Upon termination, the net amount of the “no hardship payment” will be deducted from the employee’s last paycheck. This “no hardship payment” is recorded as other noncurrent accounts receivable on the statement of net position.

- g. *Allowance for Doubtful Accounts* – It is the Corporation’s policy to provide for future losses on uncollectible contracts and grants receivable based on an evaluation of the underlying contract and grant balances, the historical collectability experienced by the Corporation on such balances and such other factors which, in the Corporation’s judgment, require consideration in estimating doubtful accounts.

- h. Leases Receivable – West Virginia University* – Leases receivable – West Virginia University includes the Corporation’s receivable from the University for the sublease of office space in Charleston, WV.
- i. Noncurrent Cash and Cash Equivalents* – Cash that is externally restricted to make debt service payments or to maintain sinking funds or reserve funds or to purchase capital or other noncurrent assets or settle long-term liabilities is classified as a noncurrent asset on the statement of net position.
- j. Capital and Intangible Right-to-Use Assets* – Capital assets include property and plant. Capital assets are stated at cost at the date of acquisition or construction, or acquisition value at the date of donation in the case of gifts. Depreciation is computed using the straight-line method over the estimated useful life of the asset, which is generally 15 to 50 years for buildings, infrastructure, and land improvements, 3 to 15 years for furniture and equipment.

Intangible right-to-use assets include property, plant and equipment. Amortization is computed using the straight-line method over the shorter of the lease term or the estimated useful life of the asset.

Other assets include donated right-to-use software with a term greater than twelve months. These assets are recorded at the acquisition value at the date of donation and are amortized over the term of the use agreement.

The Corporation’s capitalization thresholds are as follows: \$25,000 for buildings, land improvements, infrastructure and leasehold improvements, \$100,000 for software, and \$5,000 for equipment. Land is capitalized irrespective to cost.

- k. Accounts Payable – West Virginia University* – Accounts payable – West Virginia University primarily includes the Corporation’s liability to the University for the dean’s portion of overhead earned on sponsored awards.
- l. Unearned Revenue* – Revenues for programs or activities to be conducted primarily in the next fiscal year are classified as unearned revenue, including advance payments on sponsored awards.
- m. Compensated Absences* – The Corporation accounts for compensated absences in accordance with the provisions of GASB. This statement requires entities to accrue for employees’ rights to receive compensation for vacation leave or payments in lieu of accrued vacation or sick leave as such benefits are earned and payment becomes probable.

The Corporation’s full-time employees earn up to 2 days paid time off for each month of service and are entitled to compensation for accumulated, unpaid leave upon termination.

The expense incurred for paid time off is recorded as a component of benefits expense on the statement of revenues, expenses, and changes in net position.

- n. Noncurrent Liabilities* – Noncurrent liabilities include liabilities that will not be paid within the next fiscal year.

- o. *Net Position* – GASB establishes standards for external financial reporting for public colleges and universities and requires that financial statements be presented on a basis to focus on the Corporation as a whole. Net position is classified into four categories according to external donor restrictions or availability of assets for satisfaction of Corporation obligations. The Corporation’s components of net position are classified as follows:

*Net investment in capital and intangible right-to-use assets:* This represents the Corporation’s total investment in capital intangible right-to-use assets, net of accumulated depreciation/amortization and outstanding debt obligations related to those assets. To the extent debt has been incurred but not yet expended, such amounts are not included as a component of net investment in capital and intangible right-to-use assets, net of related debt.

*Restricted – expendable:* This includes resources which the Corporation is legally or contractually obligated to spend in accordance with restrictions imposed by external third parties. The Corporation did not have any restricted expendable net position as of June 30, 2022 and 2021.

*Restricted – nonexpendable:* This includes endowment and similar type funds which donors or other outside sources have stipulated, as a condition of the gift instrument, that the principal is to be maintained inviolate and in perpetuity and invested for the purpose of producing present and future income, which may either be expended or added to principal. The Corporation did not have any restricted nonexpendable net position as of June 30, 2022 and 2021.

*Unrestricted:* This includes resources that are not subject to externally imposed stipulations. Such resources are derived from investment income and sales and services of educational activities. This component is used for transactions related to the educational and general operations of the Corporation and may be designated for specific purposes by action of the Board of Directors.

- p. *Classification of Revenues:* The Corporation has classified its revenues according to the following criteria:

*Operating Revenues:* Operating revenues include activities that have the characteristics of exchange transactions, such as (1) most federal, state, local and nongovernmental grants and contracts, and (2) sales and services of educational activities.

*Nonoperating Revenues:* Nonoperating revenues include activities that have the characteristics of non-exchange transactions, such as gifts and contributions, and other revenues that are defined as nonoperating revenues by GASB, such as investment income.

*Other Revenues:* Other revenues primarily consist of capital grants and gifts.

- q. *Use of Restricted Net Position* – The Corporation has adopted a formal policy regarding whether to first apply restricted or unrestricted resources when an expense is incurred for purposes for which both restricted and unrestricted components of net position are available. The Corporation attempts to utilize restricted components of net position first

when practicable. The Corporation did not have any designated components of net position as of June 30, 2022 or 2021.

- r. *Government Grants and Contracts* – Government grants and contracts normally provide for the recovery of direct and indirect costs, subject to audit. The Corporation recognizes revenue associated with direct costs as the related costs are incurred. Recovery of related indirect costs is generally recorded at fixed rates negotiated for a period of one to four years.
- s. *Income Taxes* – The Corporation has received from the Internal Revenue Service an exemption from taxation under Section 501 (c) (3) of the Internal Revenue Code as an entity organized for educational, research and economic development purposes.
- t. *Cash Flows* – Any cash and cash equivalents escrowed, restricted for noncurrent assets, or in funded reserves are included as cash and cash equivalents for the purpose of the statement of cash flows.
- u. *Deferred Outflows of Resources* – Consumption of net position by the Corporation that is applicable to a future fiscal year is reported as a deferred outflow of resources on the statement of net position. The Corporation did not have any deferred outflows of resources as of June 30, 2022 or 2021.
- v. *Deferred Inflows of Resources* – Acquisition of net position by the Corporation that is applicable to a future fiscal year is reported as a deferred inflow of resources on the statement of net position. As of June 30, 2022 and 2021, the Corporation had a deferred gain on refunding of \$161,000 and \$206,000, respectively.
- w. *Risk Management* – The State’s Board of Risk and Insurance Management (BRIM) provides general liability, property and auto insurance coverage to the Corporation. Such coverage is provided to the Corporation through a self-insurance program maintained by BRIM for general liability and auto insurance coverage. BRIM maintains a self-insurance program to pay the first \$1,000,000 of each property insurance claim and purchases excess property insurance from the commercial insurance market to cover individual claim amounts in excess of \$1,000,000. BRIM self-insurance programs may involve experience and exposure related premiums.

BRIM engages an independent actuary to assist in the determination of its premiums so as to minimize the likelihood of future premium adjustments to the Corporation or other participants in BRIM’s insurance programs. As a result, management does not expect significant differences between the premiums the Corporation is currently charged by BRIM and the ultimate cost of that insurance based on the Corporation’s actual loss experience. In the event such differences arise between estimated premiums currently charged by BRIM to the Corporation and the Corporation’s ultimate actual loss experience, the difference will be recorded, as the change in estimate becomes known. The amount of settlements has not exceeded insurance coverage in any of the past four years.

In addition, United Educators Insurance Company provides an excess general liability insurance policy for the Corporation in the amount of \$10,000,000. This policy is maintained to enable the Corporation to meet the higher commercial general liability and commercial auto liability insurance limits frequently required by the sponsoring agency in many research contracts.



United Educators Insurance Company provides an excess educators legal liability insurance policy for the Corporation in the amount of \$10,000,000. This policy is maintained to provide the Corporation with increased limits of insurance coverage for employment practice liability claims.

Beazley USA provides a Data Breach Response insurance policy in the amount of \$10,000,000 to cover claims commonly referred to as “cyber liability” claims. “First party” claims coverage includes financial expenses associated with a data breach including business interruption, cyber extortion, and data recovery. “Third party” claims coverage includes the financial expenses associated with a data breach that are incurred by other than the Corporation including disclosure of personally identifiable information, regulatory defense and penalties, and payment card liabilities and costs. The Corporation is insured under the same policy as the University.

Ironshore Specialty Insurance Company provides an excess products/completed operations and professional liability policy for life sciences (clinical trials) in the amount of \$5,000,000. This policy is maintained to enable the Corporation to meet the higher limits of products/completed operations and professional liability insurance coverage frequently required by the sponsoring agency in many clinical trial research contracts.

Encova Insurance Company provides workers’ compensation insurance coverage for the Corporation. Workers’ compensation insurance pays for employee injury or illness that occur as a result of a work-related activity. This is a high-deductible plan consisting of two component costs. One is a fixed premium cost that is adjusted annually upon policy renewal. This pays for overhead operating costs associated with the policy. The other represents the variable expenses for each claim up to \$250,000 (the deductible). The expenses for an individual claim that exceed \$250,000 will be paid by Encova. Encova invoices the Corporation monthly to collect the prior month claim expenses which they have paid that fall within the deductible layer.

- x. *Use of Estimates* – The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.
- y. *Risks and Uncertainties* – The Corporation utilizes various investment instruments that are exposed to risks, such as interest rate, credit, and overall market volatility. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the fair values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the financial statements and accompanying notes.
- z. *Newly Adopted Statements Issued by the GASB* – The Corporation has adopted GASB Statement No. 87, “Leases”, as amended by GASB Statement No. 95, “Postponement of the Effective Dates of Certain Authoritative Guidance”. This statement establishes accounting and financial reporting for leases by lessees and lessors. This statement requires recognition of certain lease assets and liabilities for leases that previously were classified as operating leases. It establishes a single model for lease accounting based on the principle that leases are financings of the right to use an underlying asset. Under this statement, a lessee is required to recognize a lease liability and an intangible right-

to-use lease asset, and a lessor is required to recognize a lease receivable and a deferred inflow of resources. The financial statements for the period ending June 30, 2021 has been restated resulting in an increase in intangible right-to-use assets, leases receivable, and leases payable. These balances were calculated using the facts and circumstances that existed at July 1, 2020 as prescribed by Statement No. 87. The 2020 net position – beginning of year was restated to reflect related adjustments.

Net position - beginning of year, as previously stated	\$	39,128,678
Balance of the leases payable, leased assets, leases receivable and deferred inflows of resources		984,067
Net position - beginning of year, as restated	\$	<u>40,112,745</u>

The Corporation has implemented Statement No. 92, “*Omnibus 2020*”. This statement addresses various issues identified during the implementation of certain GASB statements and establishes accounting and financial reporting requirements for specific issues related to intra-entity transfers of assets, postemployment benefits and government acquisitions. This statement did not have a material effect on the financial statements.

The Corporation has also implemented GASB Statement No. 93, “*Replacement of Interbank Offered Rates*”. This statement establishes that the London Interbank Offered Rate (“LIBOR”) is not an appropriate benchmark interest rate for derivative instruments that hedge the interest rate risk of taxable debt. This statement did not have a material impact on the financial statements.

The Corporation has also implemented Statement No. 97, “*Certain Component Unit Criteria, and Accounting and Financial Reporting for Internal Revenue Code Section 457 Deferred Compensation Plans*”. This statement establishes accounting and financial reporting requirements for Section 457 plans that meet the definition of a pension plan and for benefits provided through those plans and modifies the investment valuation requirements for all Section 457 plans. This statement also clarifies how the absence of a governing board should be considered in determining whether a primary government is financially accountable for purposes of evaluating potential component units. This statement did not have a material impact on the financial statements.

The Corporation has also implemented Statement No. 98, “*The Annual Comprehensive Financial Report*”. This statement establishes the term “annual comprehensive financial report” and its acronym “ACFR”. This statement did not have a material impact on the financial statements.

The GASB issued Statement No. 99, “*Omnibus 2022*”. This statement established or amended accounting and financial reporting requirements for specific issues related to related to the transition from the London Interbank Offered Rate, the Supplemental Nutrition Assistance Program, nonmonetary transactions, pledges of future revenues, the focus of government-wide financial statements, and terminology. These requirements were effective upon issuance and did not have a material impact on the financial statements.

aa. *Recent Statements Issued by the GASB* – The GASB has issued Statement No. 91, “*Conduit Debt Obligations*”, which is effective for financial statements beginning after December 15, 2021, as amended by GASB Statement No. 95, “*Postponement of the Effective Dates of Certain Authoritative Guidance*”. This statement defines conduit debt obligations for accounting and financial reporting purposes and establishes standards for recognition, measurement and disclosure for issuers. The Corporation has not yet determined the effect that the adoption of GASB Statement No. 91 may have on its financial statements.

The GASB has also issued Statement No. 94, “*Public-Private and Public-Public Partnerships and Availability Payment Arrangements*”. This statement establishes accounting and financial reporting requirements for public-private and public-public partnerships and availability payment arrangements. This statement is effective for fiscal years beginning after June 15, 2022. The Corporation has not yet determined the effect that the adoption of GASB Statement No. 94 may have on its financial statements.

The GASB has also issued Statement No. 96, “*Subscription-Based Information Technology Arrangements*”. This statement establishes accounting and financial reporting requirements for subscription-based information technology arrangements by a government end user. This statement is effective for fiscal years beginning after June 15, 2022. The Corporation has not yet determined the effect that the adoption of GASB Statement No. 96 may have on its financial statements.

Statement No. 99, “*Omnibus 2022*”, establishes or amends accounting and financial reporting requirements for specific issues related to financial guarantees, derivative instruments, leases, public-public and public-private partnerships, subscription-based information technology arrangements.

The requirements related to leases, public-public and public-private partnerships, and subscription-based information technology arrangements are effective for fiscal years beginning after June 15, 2022. The requirements related to financial guarantees and derivative instruments are effective for fiscal years beginning after June 15, 2023. The Corporation has not yet determined the effect that the adoption of these provisions may have on its financial statements.

The GASB has also issued Statement No. 100, “*Accounting Changes and Error Corrections*”. This statement establishes accounting and financial reporting requirements for accounting changes and the correction of an error in previously issued financial statements. This statement is effective for accounting changes and error corrections made in fiscal years beginning after June 15, 2023 and all reporting periods thereafter. The Corporation has not yet determined the effect that the adoption of GASB Statement No. 100 may have on its financial statements.

The GASB has also issued Statement No. 101, “*Compensated Absences*”. This statement establishes accounting and financial reporting for compensated absences and associated salary-related payments, including certain defined contribution pensions and defined contribution other postemployment benefits (OPEB). This statement is effective for fiscal years beginning after December 15, 2023 and all reporting periods thereafter. The Corporation has not yet determined the effect that the adoption of GASB Statement No. 101 may have on its financial statements.

### 3. CASH AND CASH EQUIVALENTS

The composition of cash and cash equivalents was as follows at June 30 (dollars in thousands):

#### 2022

	<u>Current</u>	<u>Noncurrent</u>	<u>Total</u>
Cash in Bank	\$ 39,683	\$ -	\$ 39,683
	<u>\$ 39,683</u>	<u>\$ -</u>	<u>\$ 39,683</u>

#### 2021

	<u>Current</u>	<u>Noncurrent</u>	<u>Total</u>
Cash in Bank	\$ 31,736	\$ -	\$ 31,736
Cash on deposit with Trustee	-	192	192
	<u>\$ 31,736</u>	<u>\$ 192</u>	<u>\$ 31,928</u>

*Cash in Bank.* Cash in bank includes bank balances and may include deposits in the ICS program. The carrying amount of cash in bank at June 30, 2022 and 2021 was \$39.7 million and \$31.7 million, respectively, as compared with bank balances of \$37.8 million and \$30.8 million, respectively. The difference was primarily caused by items in transit and outstanding checks. Bank accounts and ICS deposits are insured by the Federal Deposit Insurance Corporation (FDIC) up to \$250,000 per Federal Employer Identification Number. In addition, bank balances are collateralized with the bank through a Repurchase Agreement in the name of the Corporation.

*Cash on Deposit with Trustee.* Cash on deposit with Trustee represents funds available for remaining projects at the Beckley campus of the University held by the Trustee and related to the Beckley loan (see Note 11).

### 4. ACCOUNTS RECEIVABLE – WVUIC

During fiscal year 2016, the Corporation entered into an agreement to provide a non-interest bearing line of credit of \$1 million for the benefit of WVUIC. During fiscal year 2016, the Corporation also entered into another agreement with WVUIC for a \$1.5 million non-interest bearing line of credit. During fiscal year 2017, the Corporation also entered into another non-interest bearing agreement with WVUIC for two \$500,000 lines of credit. During fiscal year 2019, the Corporation entered into another agreement with WVUIC for an additional \$800,000 line of credit. This loan has a fixed interest rate of 3%. During fiscal year 2021, the Corporation entered into another non-interest bearing agreement with WVUIC for a \$300,000 line of credit. The outstanding amount due from WVUIC, including accrued interest, at June 30, 2021 was \$4,662,419.

In June 2022, the Board authorized the write off of \$4,684,753 for amounts owed to the Corporation by WVUIC, including principal and interest. Such amounts due from WVUIC were deemed irrecoverable as a result of operating losses sustained by WVUIC (CAFEE unit) and its inability to pay back the debt. During fiscal year 2022, the University transferred \$2.5 million to the Corporation to partially repay the Corporation for the

investment in WVUIC; the remainder of the note receivable was written off by the Corporation.

## 5. LEASES RECEIVABLE – WEST VIRGINIA UNIVERSITY

Leases receivable – West Virginia University includes the Corporation’s receivable from the University for the sublease of office space in Charleston, WV. Following are the general lease terms:

<u>Lease Type</u>	<u>Description</u>	<u>Rate</u>	<u>Lease Term</u>	<u>Payment Frequency</u>	<u>Payment Amount</u>
Real Estate	Sublease of Equities House in Charleston to WVU	2.96%	3/1/2019 to 6/30/2024	Monthly	\$ 28,692

## 6. NOTES RECEIVABLE

During fiscal year 2016, the Corporation purchased a secured convertible promissory note and a warrant to convert the promissory note to shares of common stock from CereDx, Inc. for \$200,000. At June 30, 2021, this note receivable was classified as noncurrent on the statement of net position. In December 2020, this secured note was converted to Series Seed Preferred Stock. The Corporation acquired 24,184 shares with a value of \$313,340 (see Note 7).

During fiscal year 2017, the Corporation purchased a secured convertible promissory note and a warrant to convert the promissory note to shares of common stock from Modulation Therapeutics, Inc. for \$200,000. This note receivable is classified as noncurrent on the statement of net position.

During fiscal year 2018, the Corporation purchased a secured convertible promissory note and a warrant to convert the promissory note to shares of common stock from Isto Visio, Inc. for \$100,000. This note receivable is classified as noncurrent on the statement of net position.

## 7. INVESTMENTS

The following Fair Value Levels represent the valuation of the underlying investments. Level 1 represents investments that have a quoted price in the active market. Level 2 represents investments with direct or indirect observable market inputs. Level 3 represents investments with no observable inputs.

On July 1, 2019, the University’s investments with the Foundation, including the Corporation’s investments, were consolidated into one client portfolio. For accounting and reporting purposes, these investments are considered to be part of an internal investment pool and, as such, are not included with disclosures for other investments of the Corporation.

The Corporation had the following investments as of June 30 (dollars in thousands):

**2022**

<b>Investment Type</b>	<b>Fair Value</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>
Other Investments:				
WV Growth Investment LLC	\$ 93	\$ -	\$ -	\$ 93
Aspinity, Inc.	74	-	-	74
CereDx	313	-	-	313
	480	\$ -	\$ -	\$ 480
Investments with the Foundation - WVU Investment Pool	13,729			
<b>Total Investments</b>	<b>\$ 14,209</b>			

**2021**

<b>Investment Type</b>	<b>Fair Value</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>
Other Investments:				
WV Growth Investment LLC	\$ 93	\$ -	\$ -	\$ 93
Aspinity, Inc.	74	-	-	74
	167	\$ -	\$ -	\$ 167
Investments with the Foundation - WVU Investment Pool	16,025			
<b>Total Investments</b>	<b>\$ 16,192</b>			

The values of investments classified as current and noncurrent were as follows (dollars in thousands):

	<b>Current</b>	<b>Noncurrent</b>	<b>Total</b>
As of June 30, 2022	\$ 13,191	\$ 1,018	\$ 14,209
As of June 30, 2021	\$ 15,789	\$ 403	\$ 16,192

The above table includes all of the Corporation's investments, including investments with the Foundation.

*Investments with the Foundation – WVU Investment Pool* – Beginning in 2007, an investment strategy was initiated for the Corporation. These long term investments are managed by the Foundation. The Corporation’s investments held with the Foundation are governed by an investment policy and an investment management agency agreement that determine the permissible investments by category. The holdings include investment cash accounts, commingled debt funds, commingled equity funds, mutual bond funds, mutual stock funds and fixed income funds. The investment management agency agreement outlines the acceptable exposure to each category of investment and generally outlines a liquidity goal. The agreement also states that at no time will illiquid investment assets (defined as those assets that cannot be converted into cash within 90 days) exceed 10% of the Corporation’s investments.

Effective July 1, 2019, The University’s investments with the Foundation were consolidated into one client portfolio, including the Corporation’s investments. For accounting and reporting purposes, these investments are considered to be part of an internal investment pool and, as such, are not included with disclosures for other investments of the Corporation.

As of June 30, 2022 and 2021, the Corporation’s investments held with the Foundation were \$13.7 million and \$16.0 million, respectively.

*West Virginia Growth Investment, LLC* – The Corporation owns four units of membership interest in West Virginia Growth Investment, LLC (“WVGI”). This investment had a fair market value of \$93,000 at both June 30, 2022 and June 30, 2021. WVGI is a limited liability company formed to pool the capital resources and the business connections of accredited investors in and around the State of WV. Since the Corporation holds less than 20% of the ownership interest in WVGI, is not an officer of WVGI, cannot exercise significant influence over WVGI’s operations and the fair value of the membership units cannot be readily determined, this investment was recorded using the cost basis of accounting.

*Aspinity, Inc.* –The Corporation owns 411,706 shares of preferred stock in Aspinity, Inc. These shares had a fair market value of \$74,000 at both June 30, 2022 and June 30, 2021.

*CereDx, Inc* – In December 2020, the convertible promissory notes with CereDx, Inc. were canceled and converted to shares of preferred stock (see Note 7). The Corporation acquired 24,184 shares with a value of \$313,000. These shares had a fair market value of \$313,000 at June 30, 2022.

*Other* – In addition, funds are deposited in the ICS program to maximize investment earnings and for FDIC insurance coverage. The ICS investments are classified as cash and cash equivalents.

### **Credit Risk**

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligation. Credit risk is applicable to investments in debt securities as well as investments in external investment pools, money market funds, mutual bond funds, and other pooled investments of fixed income securities.

The investment management agency agreement with the Foundation states that the investment agent shall invest the client's assets in investments in accordance with and subject to the provisions of the Uniform Prudent Investor Act codified as article six-C, chapter forty four of the West Virginia Code.

### **Interest Rate Risk**

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. This risk is applicable to debt securities only.

No investments outside of the consolidated investment pool were subject to interest rate risk at both June 30, 2022 and June 30, 2021.

Interest rate risk is managed by limiting the time period or duration of the specific investment.

### **Concentration of Credit Risk**

Concentration of credit risk is the risk of loss attributed to the magnitude of investment in a single issuer. Since this risk is minimized by the commingled funds structure, concentration risk disclosure is not required for external pooled funds.

At both June 30, 2022 and 2021, the Corporation's investments outside of the consolidated investment pool were not subject to concentration of credit risk.

### **Custodial Credit Risk**

The custodial credit risk for investments is the risk that, in the event of the failure of the counterparty to a transaction, the agency will not be able to recover the value of investment or collateral securities that are in the possession of an outside party. This risk is not applicable to external investment pools and open-end mutual funds.

For the Corporation's investments at June 30, 2022 and June 30, 2021, no investments were subject to custodial credit risk.

### **Foreign Currency Risk**

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. Disclosure is not required for external investment pools unless the fund represents a significant portion of the Corporation's investments.

At both June 30, 2022 and June 30, 2021, the Corporation's investments outside of the consolidated investment pool were not subject to foreign currency risk.



**7. CAPITAL AND INTANGIBLE RIGHT-TO-USE ASSETS**

Balances and changes in capital and intangible right-to-use assets were as follows as of June 30 (dollars in thousands):

2022	Beginning Balance	Additions	Completed CIP	Transfers to the University	Transfers from the University	Reductions	Ending Balance
Capital assets not being depreciated or amortized:							
Land	\$ 3,524	\$ 393	\$ -	\$ -	\$ -	\$ -	\$ 3,917
Construction in progress	131	584	(963)	(490)	738	-	-
Total capital assets not being depreciated or amortized	\$ 3,655	\$ 977	\$ (963)	\$ (490)	\$ 738	\$ -	\$ 3,917
Other capital assets:							
Land Improvements	\$ 357	\$ -	\$ 167	\$ -	\$ -	\$ -	\$ 524
Buildings	80,333	521	795	-	-	(78)	81,571
Equipment	2,236	5,093	-	(5,069)	(24)	(38)	2,198
Library books	-	435	-	(435)	-	-	-
Infrastructure	1,293	-	-	-	-	-	1,293
Other Assets	266	-	-	-	-	-	266
Total other capital assets	84,485	6,049	962	(5,504)	(24)	(116)	85,852
Less accumulated depreciation or amortization for:							
Land Improvements	(72)	(34)	-	-	-	-	(106)
Buildings	(22,503)	(1,663)	-	-	-	1	(24,165)
Equipment	(851)	(215)	-	-	-	17	(1,049)
Infrastructure	(310)	(86)	-	-	-	-	(396)
Other Assets	(265)	-	-	-	-	-	(265)
Total accumulated depreciation or amortization	(24,001)	(1,998)	-	-	-	18	(25,981)
Other capital assets, net	\$ 60,484	\$ 4,051	\$ 962	\$ (5,504)	\$ (24)	\$ (98)	\$ 59,871
Intangible right to use assets:							
Buildings	2,636	842	-	(31)	-	(40)	3,407
Equipment	-	65	-	-	-	-	65
Total for intangible right to use assets	\$ 2,636	\$ 907	\$ -	\$ (31)	\$ -	\$ (40)	\$ 3,472
Less accumulated amortization for:							
Buildings	(608)	(642)	-	-	-	(8)	(1,258)
Equipment	-	(24)	-	-	-	-	(24)
Total accumulated amortization	\$ (608)	\$ (666)	\$ -	\$ -	\$ -	\$ (8)	\$ (1,282)
Capital and Intangible right to use Assets Summary:							
Capital assets not being depreciated or amortized	\$ 3,655	\$ 977	\$ (963)	\$ (490)	\$ 738	\$ -	\$ 3,917
Other capital assets	84,485	6,049	962	(5,504)	(24)	(116)	85,852
Total cost of capital assets	88,140	7,026	(1)	(5,994)	714	(116)	89,769
Less accumulated depreciation and amortization	(24,001)	(1,998)	-	-	-	18	(25,981)
Capital assets, net	\$ 64,139	\$ 5,028	\$ (1)	\$ (5,994)	\$ 714	\$ (98)	\$ 63,788
Intangible right to use assets							
Total cost of Intangible right to use assets	2,636	907	-	(31)	-	(40)	3,472
Less accumulated amortization	(608)	(666)	-	-	-	(8)	(1,282)
Intangible right to use assets, net	\$ 2,028	\$ 241	\$ -	\$ (31)	\$ -	\$ (48)	\$ 2,190
Total capital and Intangible right to use assets, net	\$ 66,167	\$ 5,269	\$ (1)	\$ (6,025)	\$ 714	\$ (146)	\$ 65,978

2021	Beginning Balance	Additions	Completed CIP	Transfers to the University	Transfers from the University	Reductions	Ending Balance
Capital assets not being depreciated or amortized:							
Land	\$ 3,524	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,524
Construction in progress	256	572	(930)	(240)	473	-	131
Total capital assets not being depreciated or amortized	\$ 3,780	\$ 572	\$ (930)	\$ (240)	\$ 473	\$ -	\$ 3,655
Other capital assets:							
Land Improvements	\$ 357	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 357
Buildings	79,483	-	850	-	-	-	80,333
Equipment	1,909	5,193	-	(5,175)	309	-	2,236
Library books	-	443	-	(443)	-	-	-
Infrastructure	1,215	-	78	-	-	-	1,293
Other Assets	266	-	-	-	-	-	266
Total other capital assets	83,230	5,636	928	(5,618)	309	-	84,485
Less accumulated depreciation or amortization for:							
Land Improvements	(48)	(24)	-	-	-	-	(72)
Buildings	(20,864)	(1,639)	-	-	-	-	(22,503)
Equipment	(624)	(227)	-	-	-	-	(851)
Infrastructure	(229)	(81)	-	-	-	-	(310)
Other Assets	(212)	(53)	-	-	-	-	(265)
Total accumulated depreciation or amortization	(21,977)	(2,024)	-	-	-	-	(24,001)
Other capital assets, net	\$ 61,253	\$ 3,612	\$ 928	\$ (5,618)	\$ 309	\$ -	\$ 60,484
Intangible right to use assets:							
Buildings	-	2,319	-	-	317	-	2,636
Equipment	-	-	-	-	-	-	-
Total for intangible right to use assets	\$ -	\$ 2,319	\$ -	\$ -	\$ 317	\$ -	\$ 2,636
Less accumulated amortization for:							
Buildings	-	(608)	-	-	-	-	(608)
Equipment	-	-	-	-	-	-	-
Total accumulated amortization	\$ -	\$ (608)	\$ -	\$ -	\$ -	\$ -	\$ (608)
Capital and Intangible right to use Assets Summary:							
Capital assets not being depreciated or amortized	\$ 3,780	\$ 572	\$ (930)	\$ (240)	\$ 473	\$ -	\$ 3,655
Other capital assets	83,230	5,636	928	(5,618)	309	-	84,485
Total cost of capital assets	87,010	6,208	(2)	(5,858)	782	-	88,140
Less accumulated depreciation and amortization	(21,977)	(2,024)	-	-	-	-	(24,001)
Capital assets, net	\$ 65,033	\$ 4,184	\$ (2)	\$ (5,858)	\$ 782	\$ -	\$ 64,139
Intangible right to use assets	-	2,319	-	-	317	-	2,636
Total cost of Intangible right to use assets	-	(608)	-	-	-	-	(608)
Less accumulated amortization	-	-	-	-	-	-	-
Intangible right to use assets, net	\$ -	\$ 1,711	\$ -	\$ -	\$ 317	\$ -	\$ 2,028
Total capital and Intangible right to use assets, net	\$ 65,033	\$ 5,895	\$ (2)	\$ (5,858)	\$ 1,099	\$ -	\$ 66,167

## 9. LONG-TERM LIABILITIES

Balances and changes in long-term liabilities were as follows at June 30 (dollars in thousands):

<b>2022</b>	<b>Beginning Balance</b>	<b>Additions</b>	<b>Reductions</b>	<b>Ending Balance</b>	<b>Due within One Year</b>
Leases payable	\$ 2,032	\$ 1,432	\$ (1,308)	\$ 2,156	\$ 704
Notes payable	57,480	-	(1,146)	56,334	1,232
Total long-term liabilities	<u>\$ 59,512</u>	<u>\$ 1,432</u>	<u>\$ (2,454)</u>	<u>\$ 58,490</u>	

<b>2021</b>	<b>Beginning Balance</b>	<b>Additions</b>	<b>Reductions</b>	<b>Ending Balance</b>	<b>Due within One Year</b>
Leases payable	\$ -	\$ 2,602	\$ (570)	\$ 2,032	\$ 571
Notes payable	58,618	-	(1,138)	57,480	1,146
Total long-term liabilities	<u>\$ 58,618</u>	<u>\$ 2,602</u>	<u>\$ (1,708)</u>	<u>\$ 59,512</u>	

## 10. LESSEE ARRANGEMENTS

The Corporation leases real estate from external parties. The general terms of these lease agreements are as follows:

<b>Lease Type</b>	<b>Description</b>	<b>Rate</b>	<b>Lease Term</b>	<b>Payment Frequency</b>	<b>Payment Amount</b>
Real Estate	Building on Canyon Road	3.05%	9/16/2017 - 3/28/2022; renewed through 3/28/2031	Monthly	\$ 10,827
Real Estate	Office Space in Washington DC	2.96%	11/17/2017 - 12/31/2022	Monthly	2,544-2,601
Real Estate	Office Space on Dents Run Road	3.05%	8/1/2019 - 3/31/2021; renewed through 3/31/2025	Monthly	6,345
Real Estate	Office Space in Charleston, WV	2.96%	12/1/2019-6/30/2021; renewal assumed through 6/30/2023	Monthly	1,200
Real Estate	Office Space on Pineview Drive	2.96%	7/1/2020 - 6/30/2023	Monthly	5,325
Real Estate	Equities House in Charleston, WV	2.96%	3/1/2019 - 6/30/2024	Monthly	31,212
Equipment	Scientific Equipment	3.05%	9/30/2021-9/29/2023	Monthly	2,791
Real Estate	Office Space in Lewisburg, WV	3.05%	10/1/2021-9/30/2023	Monthly	4,375

The future lease payments are discounted using the interest rate charged by the lessor or the interest rate implicit in the lease. If the interest rate could not be readily determined, the estimated incremental borrowing rate was used

The scheduled principal and interest payments to maturity are as follows (dollars in thousands):

<b>Fiscal Year Ending June 30,</b>	<b>Principal</b>	<b>Interest</b>
2023	\$ 704	\$ 55
2024	563	36
2025	162	25
2026	112	21
2027	122	17
2028-2032	493	29
Lease Payable	<u>\$ 2,156</u>	<u>\$ 183</u>
Current Portion	704	
Noncurrent Portion	<u>\$ 1,452</u>	

There were no variable lease payments, residual value guarantees, or termination penalties not previously included in the measurement of the related lease liabilities during the years ended June 30, 2022 and 2021.

See Note 7 for balances and changes in intangible right-to-use assets at June 30, 2022 and 2021.

## 11. NOTES PAYABLE

*Health Sciences Center Construction Loan* – In December 2012, the Corporation refinanced various construction loans with United Bank, Inc. in the principal amount of \$22.1 million at an interest rate, initially 1.90%, resetting every five years. Beginning August 2014, the loan agreement allows the Corporation to prepay the loan with 60 days notice and without any penalty or premium, and it allows the bank to “put” all or part of the loan to the Corporation with 60 days notice and without any penalty or premium.

The loan is pledged by facilities and administrative revenues received by the Corporation under any grants, contracts, and other agreements on behalf of the HSC as follows:

- 1) 30% of the total HSC facilities and administrative revenues, up to a total of \$6.8 million (“threshold amount”) received by the Corporation in any single fiscal year.
- 2) 70% of the total HSC facilities and administrative revenues above the threshold amount received by the Corporation in such fiscal year.

The Health Sciences Construction Loan contains provisions for the event of default in the payment of interest or principal; under the loan documents; breach of contract; filing of liens against collateral; litigation against borrower; levy upon the collateral; bankruptcy or insolvency; cessation of legal existence; transfer or encumbrance or collateral; false representation or warranty; adverse change in financial condition or in the condition of the collateral; significant curtailment of operations; or failure to disprove default. In the event of default, United Bank, Inc. will be entitled to proceed with the following remedies: (1) acceleration of maturity and the sale of collateral, and (2) increase in the interest rate applicable to any payment due, but not paid when due, by five percent during the period of time that the default is uncured.

Upon sixty days' prior written notice, beginning on August 21, 2014, United Bank, Inc. will have the right to put all or a portion of the loan outstanding back to the Corporation and the Corporation will be required to pay the principal amount being put plus accrued interest, but without any penalty or premium.

Total principal to be paid at June 30, 2022 and June 30, 2021 was approximately \$15.5 million and \$16.2 million, respectively. Total interest paid through June 30, 2022 and June 30, 2021 was approximately \$4,850,000 and \$4,252,000, respectively. Total facilities and administrative revenues earned by HSC during fiscal year 2022 and 2021 were \$18.7 million and \$17.6 million, respectively. Total pledged revenue as of June 30, 2022 and June 30, 2021 was \$13.1 million and \$9.6 million, respectively.

*Beckley Loans* – During fiscal year 2016, the Corporation negotiated a 90-day note with United Bank in the amount of \$12 million for reimbursement of the purchase and start-up costs related to the Beckley campus of the University. This note, which would have ended on September 27, 2016, was extended until December 27, 2016. The extension was for the same amount under the same terms.

On December 15, 2016, the Corporation closed on a note with United Bank. Proceeds of \$24 million were used to pay the principal balance on the 90 day note in full. Additionally, the proceeds were used to reimburse the University for the purchase of the Beckley campus as well as for capital improvements to the campus. The proceeds included capital interest of \$3,000,000 as the loan will have a capitalized interest period of three years. The amortization term was 30 years. The interest rate is set for 5-year increments beginning with a rate of 3.11% fixed for the first five years and a spread to the 5-year constant U.S. Treasury Maturity rate thereafter. The spread is based on the University's rating with Moody's.

On December 22, 2017, the Corporation closed on a new note with Wells Fargo for \$42,000,000. The proceeds of the loan were used to pay the United Bank loan and provide additional funds for the Beckley campus projects. The amortization term for the loan is 40 years with a fixed interest rate of 4.45%.

On August 9, 2016, the Corporation entered into an agreement with the University regarding the Corporation's financing of assets required by the University for the operation of the Beckley campus. This agreement was amended on December 15, 2016 to reflect an increase in the principal amount of the Corporation's loan with United Bank. This agreement was again amended on December 22, 2017 in conjunction with the Wells Fargo note. The payments payable to the Corporation are to equal the principal and interest payments on the loan.

The deed of trust on the property on the Beckley campus including the buildings, structures and improvements, and fixtures is secured as collateral on this note along with any income from leases and rents.

The Beckley Loan contains provisions for the event of default in the payment of interest, principal or premium when due; in any covenant or agreement, any provision of the security instrument, the lease agreement, or any other provision of the operative agreement; a deposit shortfall under the cash management agreement; false representation or warranty; if final judgment for the payment of money is rendered against the Corporation and the Corporation fails to discharge within sixty days; default under any other mortgage or security agreement covering any part of the property; bankruptcy or insolvency; cessation of legal existence; if the lease, any other lease or any lease guaranty ceases to be in full force and effect; any set-off, abatement, withholding, suspension or reduction in rent paid or payable by the tenant under the lease; or filing of liens against the collateral.

In the event of default, Wells Fargo will be entitled to proceed with the following remedies: (1) declare the entire unpaid balance, accrued interest and premium immediately due and payable; (2) sale the collateral.

The scheduled maturities of the notes payable are as follows (dollars in thousands):

<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>
<b>Ending June 30,</b>		
2023	\$ 1,231	\$ 2,379
2024	1,281	2,330
2025	1,335	2,276
2026	1,390	2,221
2027	1,448	2,164
2028-2032	8,182	9,876
2033-2037	10,016	8,042
2038-2042	5,807	6,317
2043-2047	6,437	5,028
2048-2052	8,038	3,427
2053-2057	10,037	1,428
2058	1,132	15
	<u>56,334</u>	<u>45,503</u>
<b>Current Portion</b>	<u>1,232</u>	
<b>Noncurrent Portion</b>	<u>\$ 55,102</u>	

## 12. RETIREMENT PLANS

Substantially all eligible employees of the Corporation participate in the Teachers Insurance and Annuities Association – College Retirement Equities Fund (TIAA-CREF).

The TIAA-CREF is a defined-contribution benefit plan in which benefits are based upon amounts contributed plus investment earnings. Each employee who elects to participate in these plans is required to make a contribution equal to 3% of their total annual compensation. The Corporation simultaneously matches the employees' 3% contribution. Employees have the option of contributing an additional 1-3% of their total annual compensation to the plan, which is also matched by the Corporation. Contributions are immediately and fully vested.

Contributions to the TIAA-CREF were approximately as follows:

<b>Fiscal Year Ending</b>			
<b>June 30,</b>	<b>Corporation</b>	<b>Employees</b>	<b>Total</b>
2022	\$ 1,331,000	\$ 1,331,000	\$ 2,662,000
2021	1,145,000	1,145,000	2,290,000
2020	1,166,000	1,166,000	2,332,000

The Corporation's total payroll expense for fiscal years 2022, 2021, and 2020, was \$67.9 million, \$63.7 million, and \$60.2 million, respectively (including payroll expense for employees of the University); total covered employees' salaries in the TIAA-CREF were \$26.8 million in fiscal year 2022, \$23.5 million in fiscal year 2021, and \$23.2 million in fiscal year 2020, respectively.

## 13. COMMITMENTS

The Corporation has entered into contracts for the construction and improvement of various facilities. These outstanding contractual commitments totaled approximately \$646,000 at June 30, 2022.

## 14. FINANCIAL GUARANTEES

On June 28, 2016, the Corporation guaranteed a master equipment lease/purchase agreement between WVUIC and United Bank, Inc. for \$2,723,346. The term of the loan was ten years with the last payment due in June 2027. WVUIC made a lump sum payment of \$2.5 million in June 2021. The interest rate was reset on June 28, 2021 to 5 year LIBOR swap plus 2.150 percentage points. The balance at June 30, 2021 was \$379,728. In the event that WVUIC was unable to make a payment, the Corporation would have been required to make that payment.

In June 2017, WVUIC refinanced this lease in the principal amount of \$3.0 million at a fixed interest rate of 3.5%, resetting in four years. The term of this loan was ten years with the last payment due in June 2027. In June 2020, WVUIC extended this lease as interest only for another three months. In the event that WVUIC was unable to make a payment, the Corporation would have been required to make that payment.

On January 31, 2022, WVUIC entered into an asset purchase agreement with Energy Environmental Analytics, LLC for the purchase of assets and transfer of liabilities of the Center of Alternative Fuels, Engines and Emissions (“CAFEE”), which includes the transfer of this lease agreement.

## **15. AFFILIATED ORGANIZATIONS**

The University (the Corporation’s parent) is the sole member of the not-for-profit corporation. The Corporation receives grants on behalf of the University, some of which are for the construction and acquisition of capital assets. These expenditures are recorded on the Corporation’s records and the completed asset is transferred to the University as the beneficiary of the asset. The Corporation also receives facilities and administration earnings generated from such grants, a portion of which is shared with the University. A liability has been recorded to reflect the facilities and administration earnings due to the University. The University and the Corporation have entered into an operating agreement whereby the University provides staffing to meet a portion of the Corporation’s needs; the Corporation reimburses the University for the related salaries and benefits.

### **Related Party Transactions**

*West Virginia University Innovation Corporation* – Effective April 1, 2022, WVUIC’s bylaws were amended and restated such that only 50% of the WVUIC Board of Directors are appointed by the University and the key officers of WVUIC are no longer WVU employees. As a result, WVUIC is no longer a component unit of the University as the University has no ability to designate WVUIC’s management, cannot significantly influence WVUIC’s operations and is not responsible for the fiscal matters of WVUIC. Prior to this change in WVUIC’s bylaws, the Corporation was reimbursed by WVUIC for professional services provided by the Corporation (salaries, fringe benefits, rent and other expenses). At June 30, 2021, WVUIC owed the Corporation \$925,000 for such professional services. At June 30, 2021, WVUIC also owed the Corporation \$4.6 million under line of credit agreements. In June 2022, the Board authorized the write off of \$4,684,753, including principal and interest, for the amounts owed by WVUIC under these agreements. During fiscal year 2022, the University transferred \$2.5 million to the Corporation to partially repay the Corporation for the investment in WVUIC; the remainder of the note receivable was written off by the University. (Also see Note 6.)

## **16. CONTINGENCIES**

The nature of the educational industry is such that, from time to time, claims will be presented against universities and their operating units on account of alleged negligence, acts of discrimination, breach of contract or disagreements arising from the interpretation of laws or regulations. While some of these claims may be for substantial amounts, they are not unusual in the ordinary course of providing educational services in a higher education system. In the opinion of management, all known claims are covered by insurance or are such that an award against the Corporation would not have a material effect on the financial position of the Corporation.

Under the terms of federal grants, periodic audits are required and certain costs may be questioned as not being appropriate expenditures under the terms of the grants. Such audits could lead to reimbursement to the grantor agencies. The Corporation’s management believes disallowances, if any, will not have a material financial impact on the Corporation’s financial position.



17. NATURAL CLASSIFICATIONS WITH FUNCTIONAL CLASSIFICATION  
(Dollars in Thousands)

The Corporation's operating expenses by functional and natural classification are as follows:

Functional Classification	Year Ended June 30, 2022									
	Natural Classification									
	Salaries & Wages	Benefits	Scholarships & Fellowships	Utilities	Supplies & Other Services	Depreciation and Amortization	Net Operating Expenses to the University	Operating Expenses to WVUIC	Other Operating Expenses	Total
Instruction	\$ 5,170	\$ 1,109	\$ -	\$ 1	\$ 3,512	\$ -	\$ -	\$ -	\$ 17	\$ 9,809
Research	41,570	8,117	-	128	33,595	-	-	-	-	83,410
Public Service	14,431	3,689	-	43	8,561	-	-	-	-	26,724
Academic Support	1,951	537	-	7	239	-	-	-	-	2,734
Student Services	31	8	-	-	1	-	-	-	-	40
Operation and Maintenance of Plant	-	5	-	21	164	-	-	-	-	190
General Institutional Support	4,706	1,064	-	-	2,984	-	-	-	18	8,772
Student Financial Aid	-	-	2,870	-	-	-	-	-	-	2,870
Depreciation	-	-	-	-	-	2,664	-	-	-	2,664
Operating Expenses to WVUIC	-	-	-	-	-	-	-	9,502	-	9,502
Total Expenses	\$ 67,859	\$ 14,529	\$ 2,870	\$ 200	\$ 49,056	\$ 2,664	\$ -	\$ 9,502	\$ 35	\$ 146,715

Functional Classification	Year Ended June 30, 2021									
	Natural Classification									
	Salaries & Wages	Benefits	Scholarships & Fellowships	Utilities	Supplies & Other Services	Depreciation and Amortization	Net Operating Expenses to the University	Operating Expenses to WVUIC	Other Operating Expenses	Total
Instruction	\$ 5,678	\$ 1,104	\$ -	\$ 2	\$ 2,607	\$ -	\$ -	\$ -	\$ -	\$ 9,391
Research	40,452	8,348	-	200	31,421	-	-	-	-	80,421
Public Service	12,518	2,948	-	48	7,593	-	-	-	-	23,107
Academic Support	541	131	-	-	243	-	-	-	-	915
Student Services	29	6	-	-	35	-	-	-	-	70
Operation and Maintenance of Plant	9	5	-	22	-	-	-	-	-	36
General Institutional Support	4,447	922	-	-	2,272	-	-	-	22	7,663
Student Financial Aid	-	-	2,844	-	-	-	-	-	-	2,844
Depreciation	-	-	-	-	-	2,632	-	-	-	2,632
Operating Expenses to WVUIC	-	-	-	-	-	-	-	2,090	-	2,141
Total Expenses	\$ 63,674	\$ 13,464	\$ 2,844	\$ 272	\$ 44,171	\$ 2,632	\$ 51	\$ 2,090	\$ 22	\$ 129,220



**INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER  
FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS  
BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN  
ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS**

Board of Directors  
West Virginia University Research Corporation  
Morgantown, West Virginia

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the business-type activities, of West Virginia University Research Corporation, as of and for the year ended June 30, 2022, and the related notes to the financial statements, which collectively comprise the West Virginia University Research Corporation's basic financial statements, and have issued our report thereon dated October 15, 2022.

***Report on Internal Control Over Financial Reporting***

In planning and performing our audit of the financial statements, we considered West Virginia University Research Corporation's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of West Virginia University Research Corporation's internal control. Accordingly, we do not express an opinion on the effectiveness of West Virginia University Research Corporation's internal control.

*A deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. *A material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected, on a timely basis. *A significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.


Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that were not identified.

***Compliance and Other Matters***

As part of obtaining reasonable assurance about whether West Virginia University Research Corporation’s financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

***Purpose of this Report***

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the result of that testing, and not to provide an opinion on the effectiveness of the entity’s internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity’s internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



**CliftonLarsonAllen LLP**

Plymouth Meeting, Pennsylvania  
October 15, 2022



**INDEPENDENT AUDITORS' REPORT ON COMPLIANCE FOR EACH MAJOR  
FEDERAL PROGRAM, REPORT ON INTERNAL CONTROL OVER COMPLIANCE, AND  
REPORT ON THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
REQUIRED BY THE UNIFORM GUIDANCE**

Board of Directors  
West Virginia University Research Corporation  
Morgantown, West Virginia

**Report on Compliance for Each Major Federal Program**

***Opinion on Each Major Federal Program***

We have audited West Virginia University Research Corporation's compliance with the types of compliance requirements identified as subject to audit in the OMB *Compliance Supplement* that could have a direct and material effect on each of West Virginia University Research Corporation's major federal programs for the year ended June 30, 2022. West Virginia University Research Corporation's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs.

In our opinion, West Virginia University Research Corporation complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2022.

***Basis for Opinion on Each Major Federal Program***

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditors' Responsibilities for the Audit of Compliance section of our report.

We are required to be independent of West Virginia University Research Corporation and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of West Virginia University Research Corporation's compliance with the compliance requirements referred to above.

***Responsibilities of Management for Compliance***

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules and provisions of contracts or grant agreements applicable to West Virginia University Research Corporation's federal programs.

### ***Auditors' Responsibilities for the Audit of Compliance***

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on West Virginia University Research Corporation's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about West Virginia University Research Corporation's compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding West Virginia University Research Corporation's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of West Virginia University Research Corporation's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of West Virginia University Research Corporation's internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

### **Report on Internal Control Over Compliance**

A *deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A *material weakness in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

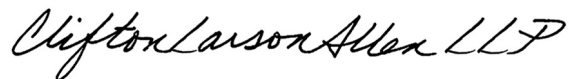
Our consideration of internal control over compliance was for the limited purpose described in the Auditors' Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

**Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance**

We have audited the financial statements of the business-type activities of West Virginia University Research Corporation as of and for the year ended June 30, 2022, and the related notes to the financial statements, which collectively comprise West Virginia University Research Corporation's basic financial statements. We have issued our report thereon, dated October 15, 2022, which contained unmodified opinions on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated in all material respects in relation to the basic financial statements as a whole.



**CliftonLarsonAllen LLP**

Plymouth Meeting, Pennsylvania  
October 15, 2022

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
YEAR ENDED JUNE 30, 2022**

<u>Research and Development</u>	<u>Federal Division/Pass Through Entity</u>	<u>Assistance Listing No.</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>Federal Agency:</b>						
US Dept of Health & Human Services	Food and Drug Administration	93.103	R13FD007552		\$ 307	\$ -
US Dept of Health & Human Services	Maternal & Child Health Fed Consolid Prog	93.110	1 UK4MC32111-01-00		550,203	279,808
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.135	U48 DP006391		314,281	167,346
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.135	U48 DP00639120	YES	363,385	92,717
					<u>677,666</u>	<u>260,063</u>
US Dept of Health & Human Services	Telehealth Programs	93.211	5 G01RH321620300		164,245	-
US Dept of Health & Human Services	Telehealth Programs	93.211	H2ARH39982		243,478	-
					<u>407,723</u>	<u>-</u>
US Dept of Health & Human Services	TBI State Partnership Program	93.234	90TBSG0069		16,902	-
US Dept of Health & Human Services	Primary Care Training and Enhancement	93.886	R01 AG068155		459,177	-
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.unknown	200-2016-92214		48,140	-
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.unknown	75D30118P01748		12,756	-
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.unknown	75D30119C06810		172,979	-
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.unknown	75D30119P04801		5,474	-
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.unknown	75D30119P06960		3,076	-
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.unknown	75D30120P08020		12,404	-
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.unknown	75D30120P08504		15,190	-
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.unknown	75D30120P09363		13,426	-
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.unknown	75D30120P09521		123,923	-
US Dept of Health & Human Services	Centers for Disease Control and Prevention	93.unknown	75D30121P11634		15,655	-
					<u>423,023</u>	<u>-</u>
	<b>US Dept of Health &amp; Human Services Direct Total</b>				<u>2,535,001</u>	<u>539,871</u>
US Dept of Health & Human Services	Marshall University Research Corporation	93.243	PO #RC-P2101577		57,976	-
US Dept of Health & Human Services	Marshall University Research Corporation	93.243	PO #RC-P2201495		60,755	-
US Dept of Health & Human Services	The Curators University of Missouri	93.243	Subaward No. 00106859/0070061		30,141	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.243	G210661		12,072	-
					<u>160,944</u>	<u>-</u>
US Dept of Health & Human Services	University of Kentucky	93.262	PO #7800005912		21,055	-
US Dept of Health & Human Services	Northeastern University	93.279	60059831 WV		23,070	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.323	G211059	YES	70,921	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.323	G220894	YES	61,568	-
					<u>132,489</u>	<u>-</u>

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
YEAR ENDED JUNE 30, 2022**

<u>Research and Development</u>	<u>Federal Division/Pass Through Entity</u>	<u>Assistance Listing No.</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
US Dept of Health & Human Services	Dana-Farber Cancer Institute	93.353	Subaward 1204501		\$ 209,385	\$ -
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.391	G220984	YES	28,863	-
US Dept of Health & Human Services	Ohio State University	93.393	Sub 60070911; PO RF01571673		1,425	-
US Dept of Health & Human Services	State of New Mexico Dept of Health	93.426	MOA 23767 PO 66500-0000181096		43,118	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.426	G210152		461,984	-
					505,102	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.436	G210879		24,617	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.436	G220783		96,424	-
					121,041	-
US Dept of Health & Human Services	Partners in Health Network	93.650	1P1CMS3315-61-01-00		138,455	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.788	G220515		12,961	-
US Dept of Health & Human Services	University of Pittsburgh	93.839	AWD00004008 (136038-1)		73,539	-
US Dept of Health & Human Services	Exesalibero Pharma, Inc.	93.846	18-740-PRIME		65,417	-
US Dept of Health & Human Services	University of Pittsburgh	93.847	AWD00002230 (134383-1)		54,360	-
US Dept of Health & Human Services	University of Maryland	93.855	UMB Ref. No. 4229 PO1000005659		35,357	-
US Dept of Health & Human Services	Ohio State University	93.859	SPC-1000005116/GR123767		33,203	-
US Dept of Health & Human Services	Ohio State University	93.859	SPC-1000005118/GR123779		19,833	-
US Dept of Health & Human Services	Ohio State University	93.859	SPC-10000051211/GR123773		13,672	-
US Dept of Health & Human Services	Ohio State University	93.859	Sub 60075897 RF01614936		174	-
US Dept of Health & Human Services	Ohio State University	93.859	Sub 60075909 RF01614942		541	-
US Dept of Health & Human Services	University of Alabama	93.859	A21-0388-S001		24,894	-
US Dept of Health & Human Services	Xlerate Health, LLC	93.859	NA		3,303	-
					95,620	-
US Dept of Health & Human Services	University of North Carolina at Chapel Hill	93.866	5118982		40,716	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.898	G210154		118	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.898	G220134		267,104	-
					267,222	-



**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
YEAR ENDED JUNE 30, 2022**

<u>Research and Development</u>	<u>Federal Division/Pass Through Entity</u>	<u>Assistance Listing No.</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
US Dept of Health & Human Services	Codex Biosolutions, Inc.	93.unknown	Codex-2019-003		\$ 5,727	\$ -
US Dept of Health & Human Services	Duke Clinical Res Institute	93.unknown	Site WVU99/7586 POPS02	YES	587	-
US Dept of Health & Human Services	Infondrian, LLC	93.unknown	WVU-2019-001		35,135	-
US Dept of Health & Human Services	Intelligent Automation, Inc.	93.unknown	2591-1		14,167	-
US Dept of Health & Human Services	Istovisio, Inc.	93.unknown	NA		129,198	-
US Dept of Health & Human Services	Mayo Clinic Rochester	93.unknown	MOTS Trial		365	-
US Dept of Health & Human Services	New York University	93.unknown	21-A0-S1-003671; 11723		189,896	-
US Dept of Health & Human Services	NRG Oncology Foundation, Inc.	93.unknown	NRG MMWV025		45,702	-
US Dept of Health & Human Services	PPD Development	93.unknown	ACTIV-2/A5401	YES	22,972	-
US Dept of Health & Human Services	PPD Development	93.unknown	ER-1023 NC19671		150	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.unknown	BMS2000000004		223	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.unknown	BMS2100000007		714	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.unknown	EHP2100000002		4,705	-
US Dept of Health & Human Services	West Virginia Dept of Health & Human Resources	93.unknown	#N/A		4,678	-
					<u>454,219</u>	<u>-</u>
	<b>US Dept of Health &amp; Human Services Pass-Through Total</b>				<u>2,441,240</u>	<u>-</u>
	<b>US Dept of Health &amp; Human Services Total</b>				<u>4,976,241</u>	<u>539,871</u>
US National Institutes of Health	FDA Tobacco Control Regulatory Research	93.077	R21 ES033026		190,426	-
US National Institutes of Health	FDA Tobacco Control Regulatory Research	93.077	R21DA051628		161,543	11,515
					<u>351,969</u>	<u>11,515</u>
US National Institutes of Health	Environmental Health	93.113	R01 ES015022		342,723	-
US National Institutes of Health	Environmental Health	93.113	R01 ES031253		521,167	12,906
US National Institutes of Health	Environmental Health	93.113	R15 ES028005		59,588	-
					<u>923,478</u>	<u>12,906</u>
US National Institutes of Health	Oral Diseases & Disorders Research	93.121	1 R21 DE026540-01		1,853	(2,303)
US National Institutes of Health	Oral Diseases & Disorders Research	93.121	F99 DE030387		12	-
					<u>1,865</u>	<u>(2,303)</u>
US National Institutes of Health	Deafness & Communication Disorders	93.173	R01 DC016293		352,347	173,016
US National Institutes of Health	Center for Complementary & Integrative Health	93.213	R21 AT011238		146,040	-
US National Institutes of Health	Alcohol Research Programs	93.273	R01 AA027241		506,615	145,653
US National Institutes of Health	Drug Abuse & Addiction Research Program	93.279	R01 DA040807		346,512	102,443
US National Institutes of Health	Drug Abuse & Addiction Research Program	93.279	R21 DA049861		162,834	-
US National Institutes of Health	Drug Abuse & Addiction Research Program	93.279	R21 DA050047		69,690	56,131
US National Institutes of Health	Drug Abuse & Addiction Research Program	93.279	R36 DA051703		38,464	-
US National Institutes of Health	Drug Abuse & Addiction Research Program	93.279	U18 DA052497		122,541	16,960
US National Institutes of Health	Drug Abuse & Addiction Research Program	93.279	UG3 DA047714		38,591	-
					<u>778,632</u>	<u>175,534</u>

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US National Institutes of Health	Technological Innovations to Improve Health	93.286	R00 EB023990		\$ 149,914	\$ -
US National Institutes of Health	Technological Innovations to Improve Health	93.286	R01 EB023888		476,270	-
US National Institutes of Health	Technological Innovations to Improve Health	93.286	R21 EB028553		154,566	-
US National Institutes of Health	Technological Innovations to Improve Health	93.286	R21 EB030228		170,100	-
					<u>950,850</u>	<u>-</u>
US National Institutes of Health	OD Research Support	93.310	U01 MD017419	YES	143,952	-
US National Institutes of Health	OD Research Support	93.310	U54GM104942	YES	2,764,552	907,186
US National Institutes of Health	OD Research Support	93.310	UG1 OD030016		409,286	-
					<u>3,317,790</u>	<u>907,186</u>
US National Institutes of Health	Nursing Research	93.361	R15 NR018547		123,571	-
US National Institutes of Health	Nursing Research	93.361	R15 NR018547		29,711	-
					<u>153,282</u>	<u>-</u>
US National Institutes of Health	Cancer Cause and Prevention Research	93.393	F99 CA253768		520	-
US National Institutes of Health	Cancer Cause and Prevention Research	93.393	R01 CA148671		95,754	-
US National Institutes of Health	Cancer Cause and Prevention Research	93.393	R01 CA194924		77,420	-
					<u>173,694</u>	<u>-</u>
US National Institutes of Health	Cancer Detection & Diagnosis Research	93.394	R01 CA192064		370,543	-
US National Institutes of Health	Cancer Detection & Diagnosis Research	93.394	R01 CA248492		323,316	74,169
					<u>693,859</u>	<u>74,169</u>
US National Institutes of Health	Cancer Treatment Research	93.395	R01 CA194013		143,445	-
US National Institutes of Health	Cancer Treatment Research	93.395	R01 CA195727		33,972	-
US National Institutes of Health	Cancer Treatment Research	93.395	R01 CA213996		411,926	-
					<u>589,343</u>	<u>-</u>
US National Institutes of Health	Cancer Biology Research	93.396	R01 CA193473		146,846	-
US National Institutes of Health	Cancer Biology Research	93.396	R03 CA223622		613	-
					<u>147,459</u>	<u>-</u>
US National Institutes of Health	Cancer Research Manpower	93.398	F99 CA264445		33,866	-
US National Institutes of Health	Cardiovascular Diseases Research	93.837	HL128485		32,590	-
US National Institutes of Health	Cardiovascular Diseases Research	93.837	R00 HL146905		154,691	-
US National Institutes of Health	Cardiovascular Diseases Research	93.837	R34 HL141721		261,354	-
					<u>448,635</u>	<u>-</u>
US National Institutes of Health	Lung Diseases Research	93.838	F31 HL147491		2,975	-
US National Institutes of Health	Lung Diseases Research	93.838	F31 HL160195		43,926	-
					<u>46,901</u>	<u>-</u>

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US National Institutes of Health	Arthritis, Musculoskeletal & Skin Diseases Res	93.846	K08AR073921		\$ 183,493	\$ -
US National Institutes of Health	Arthritis, Musculoskeletal & Skin Diseases Res	93.846	R01 AR067747		150,849	-
					<u>334,342</u>	<u>-</u>
US National Institutes of Health	Diabetes, Digestive, and Kidney Diseases Res	93.847	1R21 DK112085 01A1		25,225	-
US National Institutes of Health	Diabetes, Digestive, and Kidney Diseases Res	93.847	K23DK128569		4,849	-
US National Institutes of Health	Diabetes, Digestive, and Kidney Diseases Res	93.847	RO1 DK104791		8,896	-
					<u>38,970</u>	<u>-</u>
US National Institutes of Health	Neurosciences & Neurological Disorders Res	93.853	1 R01 NS117754-01A1		443,611	-
US National Institutes of Health	Neurosciences & Neurological Disorders Res	93.853	1R21NS125056-01		60,044	-
US National Institutes of Health	Neurosciences & Neurological Disorders Res	93.853	F31 NS113482		14,615	-
US National Institutes of Health	Neurosciences & Neurological Disorders Res	93.853	R01 NS092388		103,902	-
US National Institutes of Health	Neurosciences & Neurological Disorders Res	93.853	R01 NS092388		37,338	-
US National Institutes of Health	Neurosciences & Neurological Disorders Res	93.853	R01 NS099304		350,634	-
US National Institutes of Health	Neurosciences & Neurological Disorders Res	93.853	R21 NS111541		25,642	-
US National Institutes of Health	Neurosciences & Neurological Disorders Res	93.853	R56 NS116604		171,047	-
US National Institutes of Health	Neurosciences & Neurological Disorders Res	93.853	R56 NS117754		171,815	-
					<u>1,378,648</u>	<u>-</u>
US National Institutes of Health	Allergy and Infectious Diseases Research	93.855	R01 AI137155		590,541	-
US National Institutes of Health	Allergy and Infectious Diseases Research	93.855	R01 AI141671		431,914	77,667
US National Institutes of Health	Allergy and Infectious Diseases Research	93.855	R01 AI152219		337,449	20,700
US National Institutes of Health	Allergy and Infectious Diseases Research	93.855	R01 AI153250		463,490	11,401
US National Institutes of Health	Allergy and Infectious Diseases Research	93.855	R01 AI163333		480,443	-
US National Institutes of Health	Allergy and Infectious Diseases Research	93.855	R01AI118789		3,324	-
US National Institutes of Health	Allergy and Infectious Diseases Research	93.855	R03 AI154129		75,858	-
US National Institutes of Health	Allergy and Infectious Diseases Research	93.855	R21 AI145271		108,276	-
US National Institutes of Health	Allergy and Infectious Diseases Research	93.855	R21 AI146376		75,741	-
					<u>2,567,036</u>	<u>109,768</u>
US National Institutes of Health	Biomedical Research and Research Training	93.859	NA		2,086,342	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	P20 GM121322		12,974	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	P20 GM121322-03S1		3,864	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	P20 GM144230		688,757	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R01 GM107129		219,941	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R01 GM114330		10,843	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R01 GM133857		239,932	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R01 GM135432		360,886	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R01 GM140560		384,161	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R01 GM140560		204,808	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R15 GM114774		121,071	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R15 GM122002		4,577	-

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US National Institutes of Health	Biomedical Research and Research Training	93.859	R15GM126514		\$ 13,978	\$ -
US National Institutes of Health	Biomedical Research and Research Training	93.859	R25GM129230		142,243	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R35 GM119528		322,145	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R35 GM133566		334,367	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	R35 GM138023		297,242	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	T32 GM132494		358,531	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	T32 GM133369		282,055	-
US National Institutes of Health	Biomedical Research and Research Training	93.859	U54GM104942		3,973,319	1,457,743
US National Institutes of Health	Biomedical Research and Research Training	93.859	U54GM104942		3,480,394	1,833,914
					<u>13,542,430</u>	<u>3,291,657</u>
US National Institutes of Health	Child Health and Human Development	93.865	R00 HD091376		196,253	-
US National Institutes of Health	Child Health and Human Development	93.865	R01 HD082135		248,144	91,948
US National Institutes of Health	Child Health and Human Development	93.865	R01 HD099338		359,403	-
US National Institutes of Health	Child Health and Human Development	93.865	R03HD099426		91,226	-
US National Institutes of Health	Child Health and Human Development	93.865	R15 HD078920		7,130	-
US National Institutes of Health	Child Health and Human Development	93.865	R15 HD101974		86,219	-
					<u>988,375</u>	<u>91,948</u>
US National Institutes of Health	Aging Research	93.866	P20 GM109098		2,062,178	-
US National Institutes of Health	Aging Research	93.866	P20 GM109098		108,305	-
US National Institutes of Health	Aging Research	93.866	R01 AG064188		394,281	-
US National Institutes of Health	Aging Research	93.866	R01 AG069970		203,211	25,660
US National Institutes of Health	Aging Research	93.866	R15 AG068935		77,234	-
US National Institutes of Health	Aging Research	93.866	R21 AG064630		160,038	-
US National Institutes of Health	Aging Research	93.866	R21AG070443		115,918	-
US National Institutes of Health	Aging Research	93.866	R24 AG073078		166,377	-
US National Institutes of Health	Aging Research	93.866	R25 AG059558		402,394	-
US National Institutes of Health	Aging Research	93.866	R56 AG057307		91,369	37,213
US National Institutes of Health	Aging Research	93.866	T32 AG052375		264,203	-
					<u>4,045,508</u>	<u>62,873</u>
US National Institutes of Health	Vision Research	93.867	F31 EY031964		43,951	-
US National Institutes of Health	Vision Research	93.867	R01 EY025536		242,447	-
US National Institutes of Health	Vision Research	93.867	R01 EY028035		50,979	-
US National Institutes of Health	Vision Research	93.867	R01 EY028959		331,339	-
US National Institutes of Health	Vision Research	93.867	R01 EY030050		403,095	-
US National Institutes of Health	Vision Research	93.867	R01 EY030056		414,667	-
US National Institutes of Health	Vision Research	93.867	R01 EY031324		327,765	-
US National Institutes of Health	Vision Research	93.867	R01 EY031346		274,705	-
US National Institutes of Health	Vision Research	93.867	R01 EY032462		240,188	-
US National Institutes of Health	Vision Research	93.867	UG1EY031654		37,605	-
					<u>2,366,741</u>	<u>-</u>
	<b>US National Institute of Health Direct Total</b>				<u>34,878,675</u>	<u>5,053,922</u>

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US National Institutes of Health	Virginia Commonwealth University	93.077	FP00006477_SA017		\$ 3,249	\$ -
US National Institutes of Health	University of Pittsburgh	93.121	AWD00000571 (134641-1)		189,859	-
US National Institutes of Health	Northeastern University	93.143	500751-78051		29,736	-
US National Institutes of Health	Northeastern University	93.143	Sub 500812-78051		2,639	-
					<u>32,375</u>	<u>-</u>
US National Institutes of Health	University of Arizona	93.213	641832		18,734	-
US National Institutes of Health	Michigan State University	93.279	RC111814C		3,679	-
US National Institutes of Health	Research Triangle Institute	93.279	1-312-0217584-66093L		308,560	56,388
US National Institutes of Health	University of California, Riverside	93.279	S-001466		13,501	-
US National Institutes of Health	University of North Texas	93.279	RF00221-2021-0225		67,805	-
US National Institutes of Health	University of Pittsburgh	93.279	AWD00000584 (135723-2)		44,558	-
US National Institutes of Health	Yale University	93.279	CON-80003036 (GR113155)		56,525	-
					<u>494,628</u>	<u>56,388</u>
US National Institutes of Health	Vanderbilt University Medical Center	93.286	VUMC89392		61,038	-
US National Institutes of Health	Research Triangle Institute	93.353	1-312-0216648-66244L		128,505	27,500
US National Institutes of Health	Children's Hospital Philadelphia	93.395	COG Protocol AAML1031		656	-
US National Institutes of Health	Children's Hospital Philadelphia	93.395	PO # PO PCR-RSUB		3,706	-
					<u>4,362</u>	<u>-</u>
US National Institutes of Health	University of Kentucky	93.397	3210001349-21-008 / 7800005382		750	-
US National Institutes of Health	Columbia University of New York	93.837	4(GG12850-01) PO G13607		10,837	-
US National Institutes of Health	Columbia University of New York	93.837	4(GG12850-01) PO G13607		1,897	-
					<u>12,734</u>	<u>-</u>
US National Institutes of Health	The University of Massachusetts, Amherst	93.853	22-016463 B00		56,869	-
US National Institutes of Health	University of Minnesota	93.853	Sub# N007548605 UMN Con# 70456		237,892	94,993
					<u>294,761</u>	<u>94,993</u>
US National Institutes of Health	University of Maryland	93.855	F304502-1;PO1000005833;UMB4278		126,111	-
US National Institutes of Health	University of Maryland	93.855	1701219 PO SR00004450		23,356	-
US National Institutes of Health	University of Maryland	93.855	1701219 PO SR00004450		15,922	-
US National Institutes of Health	University of Maryland	93.855	F211473-1C PO SR00005223		52,284	-
US National Institutes of Health	University of Maryland	93.855	F211473-1C PO SR00005223		12,900	-
					<u>230,573</u>	<u>-</u>
US National Institutes of Health	Marshall University Research Corporation	93.859	P2100925		490,405	339,706
US National Institutes of Health	Marshall University Research Corporation	93.859	P2201118		796,362	23,207
US National Institutes of Health	University of Arizona	93.859	506323		8,318	-
					<u>1,295,085</u>	<u>362,913</u>

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US National Institutes of Health	University of Florida	93.867	SUB00002406		\$ 22,684	\$ -
US National Institutes of Health	University of Washington	93.867	Subaward No. UWSC9235 PO 18085		27,527	-
US National Institutes of Health	University of Washington	93.867	Subaward No. UWSC9235 PO 18085		5,180	-
					<u>55,391</u>	<u>-</u>
	<b>US National Institute of Health Pass-Through Total</b>				<u>2,822,044</u>	<u>541,794</u>
	<b>US National Institute of Health Total</b>				<u>37,700,719</u>	<u>5,595,716</u>
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0012496		19,349	-
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0016848		27,069	-
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0017577		7,141	-
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0017632		104,674	1,344
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0019472		4,998	-
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0020269		33,496	-
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0020294		703,476	-
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0021375		61,528	-
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0021404		6,219	-
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0021405		3,462	-
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0021406		112,118	-
US Dept of Energy	Office of Science Financial Assistance Program	81.049	DE-SC0021408		58,212	-
					<u>1,141,742</u>	<u>1,344</u>
US Dept of Energy	University Coal Research	81.057	DE-FE0031912		74,247	-
US Dept of Energy	University Coal Research	81.057	DE-FE0032068		467	-
					<u>74,714</u>	<u>-</u>
US Dept of Energy	Conservation Research and Development	81.086	DE-EE0009227		241,472	25,000
US Dept of Energy	Conservation Research and Development	81.086	DE-EE0009654		167,460	125,000
					<u>408,932</u>	<u>150,000</u>
US Dept of Energy	Renewable Energy Research and Development	81.087	DE-EE0008378		164,337	96,822
US Dept of Energy	Renewable Energy Research and Development	81.087	DE-EE0009597		329,381	-
US Dept of Energy	Renewable Energy Research and Development	81.087	DE-PI0000017		319,411	208,635
					<u>813,129</u>	<u>305,457</u>
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE000026167		15,030	-
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0024297		263,226	24,750
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0024297		23,728	-
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0027947		252,671	-
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031548		439,565	-
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031665		289,106	-
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031707		223,558	58,308
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031740		160,858	-
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031768		414,677	224,000
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031771		138,751	53,337

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US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031819		\$ 126,747	\$ 47,698
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031825		170,825	-
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031865		306,463	674
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031866		460,959	326,748
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0031866		160,998	160,998
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0032054		32,988	717
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0032112		9,542	-
US Dept of Energy	Fossil Energy Research and Development	81.089	DE-FE0032120		68,722	41,250
					<u>3,558,414</u>	<u>938,480</u>
US Dept of Energy	Stewardship Science Academic Alliances Programs	81.112	DE-NA0003874		82,986	-
US Dept of Energy	Advanced Research Projects Agency - Energy	81.135	DE-AR0000807		383,407	147,889
US Dept of Energy	Advanced Research Projects Agency - Energy	81.135	DE-AR0001428		271,275	126,375
US Dept of Energy	Advanced Research Projects Agency - Energy	81.135	DE-AR000864		200,499	-
					<u>855,181</u>	<u>274,264</u>
US Dept of Energy	Fossil Energy Research and Development	81.unknown	89243319PFE000195		6,974	-
US Dept of Energy	Fossil Energy Research and Development	81.unknown	89243320CFE000059		1,781,516	842,355
					<u>1,788,490</u>	<u>842,355</u>
	<b>US Dept of Energy Direct Total</b>				<u>8,723,588</u>	<u>2,511,900</u>
US Dept of Energy	Boston University Trustees	81.049	4500003316		23,772	-
US Dept of Energy	H Quest Vanguard, Inc.	81.049	NA		14,044	-
US Dept of Energy	Northern Arizona University	81.049	Subaward No. 1004197-01		85,302	-
US Dept of Energy	University of California	81.049	A18-0253-S002		28,534	-
US Dept of Energy	University of Illinois	81.049	090634-16940		214,904	-
					<u>366,556</u>	<u>-</u>
US Dept of Energy	The Ohio University	81.057	UT22065		34,153	-
US Dept of Energy	Rapid	81.087	Subaward DE-EE0007888-06-1a		21,394	-
US Dept of Energy	Rapid	81.087	Subaward DE-EE0007888-06-7		305,498	-
US Dept of Energy	University of California	81.087	Subaward No: 4550 G YA103		216,417	147,872
US Dept of Energy	University of California, San Diego	81.087	Sub 131325097 PO S9002603		7,997	-
					<u>551,306</u>	<u>147,872</u>
US Dept of Energy	Aris Energy Solutions	81.089	1001		318,723	-
US Dept of Energy	North Carolina State University	81.089	2020-0342-01 - NCSU# 562361		76,243	-
US Dept of Energy	North Carolina State University	81.089	2020-2106-02 - P#562628		140,571	-
US Dept of Energy	North Carolina State University	81.089	Sub 2018-0374-02 - P#561116		138,680	-
US Dept of Energy	Saint-Gobian Ceramics and Plastics, Inc.	81.089	NA		55,694	-
US Dept of Energy	University of Kentucky	81.089	3200002970-20-185 PO7800005116		5,541	2,890
US Dept of Energy	University of Pittsburgh	81.089	CNVA00059332 (413549-1)		5,910	-
US Dept of Energy	Washington University	81.089	WU-21-226 PO2940602K		60,838	-
					<u>802,200</u>	<u>2,890</u>

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US Dept of Energy	Washington State University	81.122	130616 SPC003303		\$ 82,033	\$ -
US Dept of Energy	Battelle Memorial Institute	81.129	Contract No. 539057		128,787	-
US Dept of Energy	GE Global Research	81.135	PO 401154469		115,882	-
US Dept of Energy	Linde LLC	81.135	PO #73865726 FFT DE-AR0001310		152,046	-
US Dept of Energy	University of Pittsburgh	81.135	AWD0003060 (417003-1)		145,899	-
					<u>413,827</u>	<u>-</u>
US Dept of Energy	Battelle Memorial Institute	81.unknown	Contract # 413740		75	-
US Dept of Energy	Brookhaven National Laboratory	81.unknown	313011R		13,183	-
US Dept of Energy	Keylogic Systems	81.unknown	PO-5000-074-007		30,001	-
US Dept of Energy	Keylogic Systems	81.unknown	PO-5000-074-014		181,681	-
US Dept of Energy	Keylogic Systems	81.unknown	PO-5000-074-018		44,841	-
US Dept of Energy	Keylogic Systems	81.unknown	PO-5000-074-019		138,131	-
US Dept of Energy	Keylogic Systems	81.unknown	PO-5000-074-020		20,641	-
US Dept of Energy	Keylogic Systems	81.unknown	PO-5000-074-024		30,000	-
US Dept of Energy	Keylogic Systems	81.unknown	PO-5000-074-025		19,999	-
US Dept of Energy	Leidos	81.unknown	PO10243286		2,149	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 14		207,471	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 15		95,214	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 18		2,886	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 19		99,896	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 2		25,840	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 20		55,083	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 22		60,002	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 23		68,570	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 24		198,656	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 25		79,212	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 26		24,064	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 27		80,125	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 27		31,740	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 28		28,601	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 29		51,071	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 30		41,042	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 31		39,395	-
US Dept of Energy	Leidos	81.unknown	Sub P010220883 Task 32		23,318	-
US Dept of Energy	Research Triangle Institute	81.unknown	2-340-0217996-66361L		85,462	-
US Dept of Energy	Respec	81.unknown	N/A		75,000	-
US Dept of Energy	Sandia National Laboratories	81.unknown	PO 2261791		32,330	-
US Dept of Energy	Special Power Sources, LLC	81.unknown	SPS-WVU-090102		70,789	-
US Dept of Energy	University of California	81.unknown	Subcontract No: 7585937		74,374	-
US Dept of Energy	University of California	81.unknown	Subcontract No: 7593027		104,243	-
US Dept of Energy	University of California	81.unknown	Subcontract No: 7593048		93,882	-
US Dept of Energy	UT-Battelle, LLC	81.unknown	4000158297		116,664	-



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US Dept of Energy	We New Energy, Inc.	81.unknown	2100030501		\$ 50,001	\$ -
US Dept of Energy	West Virginia Division of Energy	81.unknown	22*3909		25,673	-
					<u>2,421,305</u>	<u>-</u>
	<b>US Dept of Energy Pass-Through Total</b>				<u>4,800,167</u>	<u>150,762</u>
	<b>US Dept of Energy Total</b>				<u>13,523,755</u>	<u>2,662,662</u>
National Science Foundation	Engineering	47.041	CBET-1454230		158,023	-
National Science Foundation	Engineering	47.041	CBET-1454230		244	-
National Science Foundation	Engineering	47.041	CBET-1554254		73,614	-
National Science Foundation	Engineering	47.041	CBET-1554254		886	-
National Science Foundation	Engineering	47.041	CBET-1561942		12,278	-
National Science Foundation	Engineering	47.041	CBET-1561942		291	-
National Science Foundation	Engineering	47.041	CBET-1653098		104,864	-
National Science Foundation	Engineering	47.041	CBET-1653098		4,573	-
National Science Foundation	Engineering	47.041	CBET-1705397		49,301	-
National Science Foundation	Engineering	47.041	CBET-1705397		6,000	-
National Science Foundation	Engineering	47.041	CBET-1705941		91,672	-
National Science Foundation	Engineering	47.041	CBET-1804024		42,174	-
National Science Foundation	Engineering	47.041	CBET-1903543		143,150	-
National Science Foundation	Engineering	47.041	CBET-2015796		64,866	-
National Science Foundation	Engineering	47.041	CBET-2031637		22,554	-
National Science Foundation	Engineering	47.041	CBET-2102239		77,644	-
National Science Foundation	Engineering	47.041	CBET-2137585		77,283	-
National Science Foundation	Engineering	47.041	CMMI-1832680		19,208	-
National Science Foundation	Engineering	47.041	ECCS-1916894		118,594	41,799
National Science Foundation	Engineering	47.041	EEC-1611114		43,461	-
National Science Foundation	Engineering	47.041	EEC-1927232		35,786	4,530
National Science Foundation	Engineering	47.041	EFMA 1741673		416,826	177,060
National Science Foundation	Engineering	47.041	IIP-1439688		9,343	-
National Science Foundation	Engineering	47.041	IIP-1439688		411	-
National Science Foundation	Engineering	47.041	IIP-1439688		383	-
National Science Foundation	Engineering	47.041	IIP-1916677		79,069	-
National Science Foundation	Engineering	47.041	IIP-1916677		53,947	-
National Science Foundation	Engineering	47.041	IIP-1929529		5,595	-
National Science Foundation	Engineering	47.041	IIP-2016478		32,805	-
National Science Foundation	Engineering	47.041	IIP-2042632		9,401	-
National Science Foundation	Engineering	47.041	IIP-2127719		26,129	-
National Science Foundation	Engineering	47.041	IIP-2146853		18,404	-
					<u>1,798,779</u>	<u>223,389</u>
National Science Foundation	Mathematical & Physical Sciences	47.049	1804428		117,009	-
National Science Foundation	Mathematical & Physical Sciences	47.049	ASI-1812639		69,960	-
National Science Foundation	Mathematical & Physical Sciences	47.049	ASI-1812639		13,833	-
National Science Foundation	Mathematical & Physical Sciences	47.049	AST-1714897		153,186	-

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National Science Foundation	Mathematical & Physical Sciences	47.049	AST-1815664		\$ 111,540	\$ -
National Science Foundation	Mathematical & Physical Sciences	47.049	AST-1950617		77,724	-
National Science Foundation	Mathematical & Physical Sciences	47.049	AST-1950617		14,357	-
National Science Foundation	Mathematical & Physical Sciences	47.049	AST-2006548		77,371	-
National Science Foundation	Mathematical & Physical Sciences	47.049	AST-2009425		137,823	-
National Science Foundation	Mathematical & Physical Sciences	47.049	AST-2018490		660,449	117,527
National Science Foundation	Mathematical & Physical Sciences	47.049	AST-2108338		7,033	-
National Science Foundation	Mathematical & Physical Sciences	47.049	AST-2108673		7,708	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-1553021		80,535	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-1710376		675	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-1752738		101,717	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-1752986		152,523	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-1764178		74,208	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-1852369		64,983	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-1852369		15,863	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-1853456		62,278	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-2004021		106,175	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-2004021		21,276	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-2102137		96,335	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-2102538		61,562	-
National Science Foundation	Mathematical & Physical Sciences	47.049	CHE-2106823		88,256	-
National Science Foundation	Mathematical & Physical Sciences	47.049	DMR 1709568		30	-
National Science Foundation	Mathematical & Physical Sciences	47.049	DMR-1434897		2,915	-
National Science Foundation	Mathematical & Physical Sciences	47.049	DMR-1452840		45,928	-
National Science Foundation	Mathematical & Physical Sciences	47.049	DMR-1452840		23,791	-
National Science Foundation	Mathematical & Physical Sciences	47.049	DMR-1916581		77,482	-
National Science Foundation	Mathematical & Physical Sciences	47.049	DMS-1714912		21,463	-
National Science Foundation	Mathematical & Physical Sciences	47.049	PHY-1806596		37,166	-
National Science Foundation	Mathematical & Physical Sciences	47.049	PHY-1902111		244,382	-
National Science Foundation	Mathematical & Physical Sciences	47.049	PHY-1902111		2,500	-
National Science Foundation	Mathematical & Physical Sciences	47.049	PHY-1912497		3,484	-
National Science Foundation	Mathematical & Physical Sciences	47.049	PHY-1945130		152,947	-
National Science Foundation	Mathematical & Physical Sciences	47.049	PHY-2014156		35,635	-
					3,022,102	117,527
National Science Foundation	Geosciences	47.050	AGS 1752736		450	-
National Science Foundation	Geosciences	47.050	AGS 1804121		77,600	-
National Science Foundation	Geosciences	47.050	AGS-1602769		32,923	30,632
National Science Foundation	Geosciences	47.050	AGS-1936251		170,099	-
National Science Foundation	Geosciences	47.050	EAR-1943082		67,609	-
National Science Foundation	Geosciences	47.050	EAR-2046059		32,986	-
National Science Foundation	Geosciences	47.050	ICER-1911347		46,912	-
					428,579	30,632
National Science Foundation	Computer & Information Science & Engineering	47.070	2207077		8,909	-
National Science Foundation	Computer & Information Science & Engineering	47.070	2213359		33,061	-

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National Science Foundation	Computer & Information Science & Engineering	47.070	CNS-1650474		\$ 744,044	\$ 337,698
National Science Foundation	Computer & Information Science & Engineering	47.070	CNS-1650474		72,539	24,798
National Science Foundation	Computer & Information Science & Engineering	47.070	CNS-2031355		171,351	-
National Science Foundation	Computer & Information Science & Engineering	47.070	CNS-2031355		64,169	-
National Science Foundation	Computer & Information Science & Engineering	47.070	CNS-2125958		40,327	-
National Science Foundation	Computer & Information Science & Engineering	47.070	CNS-2128716		3,703	-
National Science Foundation	Computer & Information Science & Engineering	47.070	DBI-1747788		4,982	-
National Science Foundation	Computer & Information Science & Engineering	47.070	DBI-1747788		2,939	-
National Science Foundation	Computer & Information Science & Engineering	47.070	IIS-1657179		8,228	-
National Science Foundation	Computer & Information Science & Engineering	47.070	IIS-1816005		62,993	-
National Science Foundation	Computer & Information Science & Engineering	47.070	IIS-2113028		60,140	31,857
National Science Foundation	Computer & Information Science & Engineering	47.070	IIS-2114644		2,151	-
National Science Foundation	Computer & Information Science & Engineering	47.070	OAC-2004311		8,853	-
					1,288,389	394,353
National Science Foundation	Biological Sciences	47.074	DBI-2026879		57,488	-
National Science Foundation	Biological Sciences	47.074	DBI-2117043		189,831	-
National Science Foundation	Biological Sciences	47.074	DEB-1455785		20,577	-
National Science Foundation	Biological Sciences	47.074	DEB-1455785		14,126	-
National Science Foundation	Biological Sciences	47.074	DEB-1455785		3,708	-
National Science Foundation	Biological Sciences	47.074	DEB-1542509		203,022	-
National Science Foundation	Biological Sciences	47.074	DEB-2044259		24,566	-
National Science Foundation	Biological Sciences	47.074	DEB-2106080		92,920	3,469
National Science Foundation	Biological Sciences	47.074	DEB-2106080		15,000	-
National Science Foundation	Biological Sciences	47.074	DEB-2106540		22,456	-
National Science Foundation	Biological Sciences	47.074	DEB-2114570		57,726	-
National Science Foundation	Biological Sciences	47.074	IOS-1755260		6,553	-
National Science Foundation	Biological Sciences	47.074	IOS-1942960		118,278	-
National Science Foundation	Biological Sciences	47.074	MCB-1714888		895	-
					827,146	3,469
National Science Foundation	Social, Behavioral, and Economic Sciences	47.075	BCS-1651003		19,993	-
National Science Foundation	Social, Behavioral, and Economic Sciences	47.075	BCS-1651003		15,237	-
National Science Foundation	Social, Behavioral, and Economic Sciences	47.075	BCS-1945230		253,147	-
National Science Foundation	Social, Behavioral, and Economic Sciences	47.075	SES 2130062		38,681	-
National Science Foundation	Social, Behavioral, and Economic Sciences	47.075	SES-2032752		15,275	-
National Science Foundation	Social, Behavioral, and Economic Sciences	47.075	SES-2038043		17,459	-
National Science Foundation	Social, Behavioral, and Economic Sciences	47.075	SES-2048683	YES	61,690	-
National Science Foundation	Social, Behavioral, and Economic Sciences	47.075	SMA-2050693		24,514	-
National Science Foundation	Social, Behavioral, and Economic Sciences	47.075	SMA-2050693		11,035	-
					457,031	-
National Science Foundation	Education and Human Resources	47.076	DGE-1744631		54,366	-
National Science Foundation	Education and Human Resources	47.076	DGE-2125872		77,273	-
National Science Foundation	Education and Human Resources	47.076	DGE-2136524		91,545	-
National Science Foundation	Education and Human Resources	47.076	DRL-1516512		3,520	-

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National Science Foundation	Education and Human Resources	47.076	DRL-1552428		\$ 105,644	\$ -
National Science Foundation	Education and Human Resources	47.076	DRL-1552428		6,000	-
National Science Foundation	Education and Human Resources	47.076	DUE-1644119		100,000	-
National Science Foundation	Education and Human Resources	47.076	DUE-1644119		30,698	12,358
National Science Foundation	Education and Human Resources	47.076	DUE-1660713		150,565	-
National Science Foundation	Education and Human Resources	47.076	DUE-1660713		70,520	-
National Science Foundation	Education and Human Resources	47.076	DUE-1833694		42,553	-
National Science Foundation	Education and Human Resources	47.076	DUE-1833694		19,992	-
National Science Foundation	Education and Human Resources	47.076	DUE-1930282		70,028	15,158
National Science Foundation	Education and Human Resources	47.076	DUE-1930282		61,462	-
National Science Foundation	Education and Human Resources	47.076	DUE-1950217		235,000	-
National Science Foundation	Education and Human Resources	47.076	DUE-1950217		189,319	24,324
National Science Foundation	Education and Human Resources	47.076	DUE-2030707		50,898	-
National Science Foundation	Education and Human Resources	47.076	DUE-2030707		43,954	-
National Science Foundation	Education and Human Resources	47.076	DUE-2043918		63,486	-
National Science Foundation	Education and Human Resources	47.076	HRD-1834569		156,338	-
National Science Foundation	Education and Human Resources	47.076	HRD-1935469		87,823	-
					<u>1,710,984</u>	<u>51,840</u>
National Science Foundation	Office of International Engineering & Science	47.079	OISE-1658632		55,514	-
National Science Foundation	Office of International Engineering & Science	47.079	OISE-2114721		2,280	-
					<u>57,794</u>	<u>-</u>
National Science Foundation	Integrative Activities	47.083	OIA-1920920		711,836	239,416
National Science Foundation	Integrative Activities	47.083	OIA-1920920		1,500	-
National Science Foundation	Integrative Activities	47.083	OIA-1929127		145,718	-
National Science Foundation	Integrative Activities	47.083	OIA-2137826		166,190	-
National Science Foundation	Integrative Activities	47.083	OIA-2137826		28,071	-
					<u>1,053,315</u>	<u>239,416</u>
National Science Foundation	Technology, Innovation, and Partnerships (TIP)	47.084	TI-2221895		5,665	-
National Science Foundation	Computer & Information Science & Engineering	47.unknown	2114775		9,098	-
National Science Foundation	Computer & Information Science & Engineering	47.unknown	CNS-1851815		54,792	-
National Science Foundation	Computer & Information Science & Engineering	47.unknown	CNS-1851815		24,440	-
National Science Foundation	Computer & Information Science & Engineering	47.unknown	NA		35,282	-
National Science Foundation	Integrative Activities	47.unknown	OIA-2041858		245,813	-
					<u>369,425</u>	<u>-</u>
	<b>National Science Foundation Direct Total</b>				<u>11,019,209</u>	<u>1,060,626</u>
National Science Foundation	Oregon State University	47.041	S2195D-A		50,211	-
National Science Foundation	University of Florida	47.041	SUB00001677 PO100231		34,118	-
					<u>84,329</u>	<u>-</u>

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National Science Foundation	Florida State University	47.049	R01919		\$ 3,361	\$ -
National Science Foundation	Kansas State University	47.049	A20-0517-S001		11,488	-
National Science Foundation	Oregon State University	47.049	S2270B-S		365,773	-
National Science Foundation	Oregon State University	47.049	S2270B-S		326,768	-
National Science Foundation	Research Corp for Science Advancement	47.049	Award #27466		8,172	-
National Science Foundation	University of Wisconsin	47.049	203405465		144,952	-
National Science Foundation	University of Wisconsin	47.049	203405465		11,997	-
					<u>872,511</u>	<u>-</u>
National Science Foundation	Columbia University of New York	47.050	58B(GG009393-04)PO SAPO G15757		49,649	-
National Science Foundation	Case Western Reserve University	47.074	RES515697 / PO #ZDG2100146		126,018	-
National Science Foundation	Texas A&M University	47.076	M2002420		71,304	-
National Science Foundation	University of Kentucky	47.076	3200002015-19-123		46,003	-
National Science Foundation	University of Kentucky	47.076	3200002015-19-123 PO7800004529		39,425	-
					<u>156,732</u>	<u>-</u>
National Science Foundation	West Virginia Education Policy Commission	47.079	HEPC.dsr.16.1		100,254	-
National Science Foundation	West Virginia Education Policy Commission	47.079	HEPC.dsr.16.1		63,613	-
National Science Foundation	West Virginia Education Policy Commission	47.079	HEPC.dsr.16.1		6,178	-
					<u>170,045</u>	<u>-</u>
National Science Foundation	University of California, San Diego	47.083	KR 704737		6,905	-
National Science Foundation	University of Kansas	47.083	FY2017-018		8,636	-
National Science Foundation	University of Louisiana at Lafayette	47.083	3301745-04		164,914	-
National Science Foundation	University of Louisiana at Lafayette	47.083	3301745-04		26,836	-
National Science Foundation	University of Louisiana at Lafayette	47.083	330268-03		102,685	-
National Science Foundation	University of South Carolina	47.083	22-4648		123,006	-
					<u>432,982</u>	<u>-</u>
	<b>National Science Foundation Pass-Through Total</b>				<u>1,892,266</u>	<u>-</u>
	<b>National Science Foundation Total</b>				<u>12,911,475</u>	<u>1,060,626</u>
US Dept of Defense	Dept of Army, Youth Conservation Services	12.010	W9126G-17-2-0002		85,133	-
US Dept of Defense	Basic and Applied Scientific Research	12.300	N00173-19-S-BA01		15,883	-
US Dept of Defense	Defense Threat Reduction Agency (DTRA)	12.351	HDTRA12010008		460,355	-
US Dept of Defense	Defense Threat Reduction Agency (DTRA)	12.351	HDTRA12110001		827,994	248,388
					<u>1,288,349</u>	<u>248,388</u>
US Dept of Defense	Dept of Army, Military Medical R&D	12.420	W81XWH1810203		56,983	-
US Dept of Defense	Dept of Army, Military Medical R&D	12.420	W81XWH1910036		104,780	85,275
US Dept of Defense	Dept of Army, Military Medical R&D	12.420	W81XWH2010076		132,392	-
US Dept of Defense	Dept of Army, Military Medical R&D	12.420	W81XWH2110138		127,637	-
					<u>421,792</u>	<u>85,275</u>

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<u>Research and Development</u>	<u>Federal Division/Pass Through Entity</u>	<u>Assistance Listing No.</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
US Dept of Defense	Research in Science and Engineering	12.630	HM04761812000		\$ 85,740	\$ -
US Dept of Defense	Dept of Air Force, Defense Research Science Prg	12.800	FA9550-17-1-0117		136,405	39,273
US Dept of Defense	Dept of Air Force, Defense Research Science Prg	12.800	FA9550-19-1-0006		118,044	118,044
US Dept of Defense	Dept of Air Force, Defense Research Science Prg	12.800	FA9550-19-1-0177		177,103	-
					<u>431,552</u>	<u>157,317</u>
US Dept of Defense	Basic and Applied Scientific Research	12.unknown	N00014-20-G-2001		7,140	-
	<b>US Dept of Defense Direct Total</b>				<u>2,335,589</u>	<u>490,980</u>
US Dept of Defense	Aptima, Inc.	12.unknown	Subcontract 1523-2011		24,635	-
US Dept of Defense	Catalyst Connection	12.unknown	CATALYST-021-021; PO00003759		49,764	-
US Dept of Defense	Griffiss Institute	12.unknown	SA20200610030229		243	-
US Dept of Defense	Infoscitex	12.unknown	FPH02-S036 PO 210351		442,827	-
US Dept of Defense	Infoscitex	12.unknown	TO 0003 PO 220744		29,286	-
US Dept of Defense	KBRWYLE	12.unknown	LX06000011		180,486	-
US Dept of Defense	KBRWYLE	12.unknown	LX06000011 Change Order 1		4,200	-
US Dept of Defense	Kinnami Software Corporation	12.unknown	NA		112,567	-
US Dept of Defense	Kinnami Software Corporation	12.unknown	NA		3,926	-
US Dept of Defense	Leidos	12.unknown	PO10247346		10,928	-
US Dept of Defense	Ombra, LLC	12.unknown	OMBRA21_1103		6,964	-
US Dept of Defense	Systems & Technology Research, LLC	12.unknown	2021-0039 PC# 2022-21102100005		117,741	-
US Dept of Defense	UES, Inc	12.unknown	S-168-21A-001		1,322	-
US Dept of Defense	Worcester Polytechnic Institute	12.unknown	11028-GR		60,291	-
US Dept of Defense	WVU Innovation Corporation	12.unknown	NA		509,395	30,149
					<u>1,554,575</u>	<u>30,149</u>
	<b>US Dept of Defense Pass-Through Total</b>				<u>1,554,575</u>	<u>30,149</u>
	<b>US Dept of Defense Total</b>				<u>3,890,164</u>	<u>521,129</u>
NASA	Science	43.001	80NSSC18K1284		202,105	-
NASA	Science	43.001	80NSSC19K0118		17,670	16,704
NASA	Science	43.001	80NSSC19K0490		217,879	101,767
NASA	Science	43.001	80NSSC19K0908		55,816	-
NASA	Science	43.001	80NSSC20K0235		54,758	-
NASA	Science	43.001	80NSSC20K1823		28,274	-
NASA	Science	43.001	80NSSC21K0300		30,452	-
NASA	Science	43.001	80NSSC21K1105		4,153	-
NASA	Science	43.001	80NSSC21K1707		39,857	9,734
NASA	Science	43.001	80NSSC21K2019		3,253	-
					<u>654,217</u>	<u>128,205</u>
NASA	Exploration	43.003	80NSSC21K1780		74,808	-
NASA	Exploration	43.003	80NSSC22K0111		94,174	68,599
					<u>168,982</u>	<u>68,599</u>

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NASA	Education	43.008	80NNX17M0053		\$ 135,996	\$ -
NASA	Education	43.008	80NSSC17M0032		13,463	-
NASA	Education	43.008	80NSSC19M0054		83,087	33,023
NASA	Education	43.008	80NSSC19M0146		201,524	-
NASA	Education	43.008	80NSSC20M0159		23,576	-
NASA	Education	43.008	80NSSC20M0218		251,439	-
NASA	Education	43.008	80NSSC21M0140		83,798	-
NASA	Education	43.008	80NSSC21M0145		40,419	-
NASA	Education	43.008	80NSSC21M0322		103,659	-
					<u>936,961</u>	<u>33,023</u>
NASA	Space Technology	43.012	80NSSC21K0445		549,319	-
NASA	Education	43.unknown	80NSSC18K1286		15,592	-
	<b>NASA Direct Total</b>				<u>2,325,071</u>	<u>229,827</u>
NASA	John Hopkins University	43.001	172899		5,537	-
NASA	Rochester Institute of Technology	43.001	31977-02		53,474	-
NASA	Smithsonian Astrophysical Observatory	43.001	DD0-21123X		902	-
NASA	Smithsonian Astrophysical Observatory	43.001	GO0-21028X		22,322	-
NASA	University of California	43.001	Subaward 00010804		18,871	-
					<u>101,106</u>	<u>-</u>
NASA	Alcyon Technical Services (ATS)	43.unknown	ATSJV-D-38008-018 Task0049/Or4		592,941	-
NASA	Alcyon Technical Services (ATS)	43.unknown	ATSJV-D-38008-018 Task0049/Or4		124,322	-
NASA	Space Environment Technologies, LLC	43.unknown	CG-2021-3-1		5,516	-
NASA	Space Systems - Loral, LLC	43.unknown	S703187		626,672	-
NASA	Tasc, Inc	43.unknown	PO-0014891		57,004	-
NASA	Universities Space Research Association	43.unknown	NNA17BF35C; Grant SOF-06-0226		8,185	-
NASA	University of California	43.unknown	10907		9,381	-
					<u>1,424,021</u>	<u>-</u>
	<b>NASA Pass-Through Total</b>				<u>1,525,127</u>	<u>-</u>
	<b>NASA Total</b>				<u>3,850,198</u>	<u>229,827</u>
US Dept of Justice	Public Safety Officers' Benefits Program	16.538	R01 NS099918		293,605	-
US Dept of Justice	Office of Justice Programs	16.560	15PNIJ-21-GG-04179-COAP		73,705	-
US Dept of Justice	Office of Justice Programs	16.560	2017-DN-BX-0161		3,650	-
US Dept of Justice	Office of Justice Programs	16.560	2018-75-CX-0032		213,053	74,340
US Dept of Justice	Office of Justice Programs	16.560	2018-75-CX-0033		16,095	-
US Dept of Justice	Office of Justice Programs	16.560	2018-DU-BX-0186		7,674	-
US Dept of Justice	Office of Justice Programs	16.560	2018-MU-MU-0003		50,959	-
US Dept of Justice	Office of Justice Programs	16.560	2019-DU-BX-0015		120,429	33,295

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US Dept of Justice	Office of Justice Programs	16.560	2019-DU-BX-0030		\$ 66,420	\$ -
US Dept of Justice	Office of Justice Programs	16.560	2020-DQ-BX-0010		225,656	-
					<u>777,641</u>	<u>107,635</u>
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06719G0000793		23,335	19,917
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06720G0000580		68,694	68,694
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06720G0000701		89,897	89,897
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06720G0000706		160,167	-
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06720G0000709		9,152	9,152
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06720G0000710		233,725	-
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06720G0000711		15,288	28,288
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06720G0000712		26,057	26,057
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06720P0000712		21,199	-
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06721G0000491		78,975	68,661
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06721G0000596		253,884	240,884
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06721G0001818		104,409	91,409
US Dept of Justice	Federal Bureau of Investigation	16.unknown	15F06722F0000309		88,289	-
US Dept of Justice	Federal Bureau of Investigation	16.unknown	2020-DQ-BX-0012		234,136	64,433
					<u>1,407,207</u>	<u>707,392</u>
	<b>US Dept of Justice Direct Total</b>				<u>2,478,453</u>	<u>815,027</u>
US Dept of Justice	Michigan State University	16.560	RC109231 WVU		9,756	-
US Dept of Justice	Research Triangle Institute	16.560	4-321-0215513-52953L		43,809	-
US Dept of Justice	Research Triangle Institute	16.560	4-321-0215513-52953L		12,676	-
					<u>66,241</u>	<u>-</u>
	<b>US Dept of Justice Pass-Through Total</b>				<u>66,241</u>	<u>-</u>
	<b>US Dept of Justice Total</b>				<u>2,544,694</u>	<u>815,027</u>
US Dept of Agriculture	Agricultural Research Service	10.001	58-8080-6-015		14,129	-
US Dept of Agriculture	Agricultural Marketing Service	10.174	AM190100XXXXG073		115,759	-
US Dept of Agriculture	National Institute of Food & Agriculture	10.226	2018-38414-28802		46,375	-
US Dept of Agriculture	Agriculture and Food Research Initiative (AFRI)	10.310	2016-67023-25068		71,352	-
US Dept of Agriculture	Agriculture and Food Research Initiative (AFRI)	10.310	2018-70020-28872		126,161	-
US Dept of Agriculture	Agriculture and Food Research Initiative (AFRI)	10.310	2018-70020-28872		7,629	-
US Dept of Agriculture	Agriculture and Food Research Initiative (AFRI)	10.310	2019-67016-29408		66,584	-
US Dept of Agriculture	Agriculture and Food Research Initiative (AFRI)	10.310	2019-67016-29408		49,013	47,834
US Dept of Agriculture	Agriculture and Food Research Initiative (AFRI)	10.310	2019-67020-29287		279,943	183,018
US Dept of Agriculture	Agriculture and Food Research Initiative (AFRI)	10.310	2021-67014-33757		83,951	-
US Dept of Agriculture	Agriculture and Food Research Initiative (AFRI)	10.310	2022-67011-36631		16,879	-
US Dept of Agriculture	Agriculture and Food Research Initiative (AFRI)	10.310	2022-67019-36499		16,961	-
US Dept of Agriculture	Agriculture and Food Research Initiative (AFRI)	10.310	2022-67021-36124		22,256	-
					<u>740,729</u>	<u>230,852</u>



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US Dept of Agriculture	Rural Business Cooperative Service	10.351	57-030-550665758 Loan 24		\$ 27,200	\$ -
US Dept of Agriculture	Cooperative Forestry Assistance	10.664	19-JV-11242301-059		60,281	-
US Dept of Agriculture	Forest Service	10.674	17-DG-11420004-290		1,093	-
US Dept of Agriculture	Forest Service	10.674	18-DG-11420004-119		12,218	-
US Dept of Agriculture	Forest Service	10.674	18-DG-11420004-288		979	-
					<u>14,290</u>	<u>-</u>
US Dept of Agriculture	Forest Service	10.675	20-DG-11094200-001		201,381	-
US Dept of Agriculture	Forest Service	10.680	16-CA-11420004-296		12,137	-
US Dept of Agriculture	Forest Service	10.680	17-CA-11420004-310		506	-
US Dept of Agriculture	Forest Service	10.680	18-DG-11420004-201		11,137	-
US Dept of Agriculture	Forest Service	10.680	19-CA-11420000-100		10,023	-
US Dept of Agriculture	Forest Service	10.680	21-DG-11094200-248		30,141	-
					<u>63,944</u>	<u>-</u>
US Dept of Agriculture	Forest Service	10.682	18-PA-11092100-001		17,617	-
US Dept of Agriculture	Forest Service	10.699	17-JV-11261985-079		2,210	-
US Dept of Agriculture	Forest Service	10.699	18-CR-11242303-069		10,129	-
US Dept of Agriculture	Forest Service	10.699	19-CS-11330110-076		15,460	-
US Dept of Agriculture	Forest Service	10.699	19-JV-11261985-094		4,047	-
US Dept of Agriculture	Forest Service	10.699	19-JV-11272139-021		16,991	-
US Dept of Agriculture	Forest Service	10.699	20-CS-11080800-210		52,670	-
US Dept of Agriculture	Forest Service	10.699	20-JV-11242306-069		7,188	-
					<u>108,695</u>	<u>-</u>
US Dept of Agriculture	Forest Service	10.707	20-CR-11242303-079		405	-
US Dept of Agriculture	Forest Service	10.707	20-JV-11242306-126		13,425	-
US Dept of Agriculture	Forest Service	10.707	21-JV-11242306-066		25,150	-
					<u>38,980</u>	<u>-</u>
US Dept of Agriculture	Soil and Water Conservation	10.902	68-3D47-18-005		161,012	-
US Dept of Agriculture	Soil and Water Conservation	10.902	NR205C16XXXXC004		15,086	-
					<u>176,098</u>	<u>-</u>
US Dept of Agriculture	Soil and Water Conservation	10.903	NR1974820006C001		51,608	45,972
US Dept of Agriculture	Soil and Water Conservation	10.903	NR213A750025C006		13,190	-
					<u>64,798</u>	<u>45,972</u>
US Dept of Agriculture	Natural Resources Conservation Service	10.912	69-3A75-17-397		115,875	-
US Dept of Agriculture	Natural Resources Conservation Service	10.912	NR223A750013G010		63,275	-
					<u>179,150</u>	<u>-</u>

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US Dept of Agriculture	Forest Service	10.unknown	16-PA-11092100-056		\$ 653	\$ -
US Dept of Agriculture	Forest Service	10.unknown	21-CS-11090300-007		45,100	-
					<u>45,753</u>	<u>-</u>
	<b>US Dept of Agriculture Direct Total</b>				<u>1,915,179</u>	<u>276,824</u>
US Dept of Agriculture	Penn State University	10.170	SUB# 6056-WVURC-PDA-7029		13,832	-
US Dept of Agriculture	West Virginia Agriculture, Rural Resources Div	10.170	21SC03		351	-
US Dept of Agriculture	West Virginia Agriculture, Rural Resources Div	10.170	Grant Agreement #: 19SC02-C		5,626	-
US Dept of Agriculture	West Virginia Agriculture, Rural Resources Div	10.170	Grant Agreement #: 21SC02		16,828	-
US Dept of Agriculture	West Virginia Agriculture, Rural Resources Div	10.170	Grant Agreement# 18SC16		6,094	-
US Dept of Agriculture	West Virginia Agriculture, Rural Resources Div	10.170	Grant Agreement# 20SC01		19,620	-
US Dept of Agriculture	West Virginia Agriculture, Rural Resources Div	10.170	Grant Agreement# SC20 01		125	-
US Dept of Agriculture	West Virginia Agriculture, Rural Resources Div	10.170	Grant Agreement# SC20 02		5,119	-
US Dept of Agriculture	West Virginia Agriculture, Rural Resources Div	10.170	Grant Agreement# SC20 04		18,466	-
					<u>86,061</u>	<u>-</u>
US Dept of Agriculture	West Virginia Agriculture, Rural Resources Div	10.174	Grant Agreement ACER		5,230	-
US Dept of Agriculture	University of Maryland	10.200	IR4S25208280rahmanWES		3,950	-
US Dept of Agriculture	University of Vermont	10.215	GNE19-196-33243		10,433	-
US Dept of Agriculture	University of Vermont	10.215	LNE-19-387R-33243		28,761	-
US Dept of Agriculture	University of Vermont	10.215	LNE20-401-34268		95,080	72,103
US Dept of Agriculture	University of Vermont	10.215	LNE21-420-35383		10,389	3,613
US Dept of Agriculture	University of Vermont	10.215	LNE21-427R-35383		45,297	-
US Dept of Agriculture	University of Vermont	10.215	ONE19-338-33243		1,635	-
US Dept of Agriculture	University of Vermont	10.215	ONE21-383-35383		17,708	14,563
US Dept of Agriculture	University of Vermont	10.215	ONE21-388-35383		3,566	-
US Dept of Agriculture	University of Vermont	10.215	ONE21-403-35383		6,160	-
US Dept of Agriculture	University of Vermont	10.215	ONE21-405-35383		2,778	-
					<u>221,807</u>	<u>90,279</u>
US Dept of Agriculture	Fort Peck Community College	10.227	2021-38424-33461-1		2,675	-
US Dept of Agriculture	Cornell University	10.304	80289-10777		16,410	-
US Dept of Agriculture	Michigan State University	10.304	RC106556AH		13,294	-
US Dept of Agriculture	Michigan State University	10.304	RC112910P		7,840	-
					<u>37,544</u>	<u>-</u>
US Dept of Agriculture	Rutgers, State University of New Jersey	10.310	PO 25152819		33,319	-
US Dept of Agriculture	Wayne State University	10.326	WSU19007		22,017	-
US Dept of Agriculture	Alcorn State University	10.464	ASU330230-09		3,652	-
US Dept of Agriculture	WV Forest, Commerce, Labor, & Environ Pro	10.675	NA		60,979	-

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US Dept of Agriculture	University of Rhode Island	10.unknown	0006652/112117 PO 0000130712		\$ 4,130	\$ -
US Dept of Agriculture	US Endowment for Forestry & Communities	10.unknown	E20-06		17,782	-
US Dept of Agriculture	West Virginia Natural Resource & Wildlife	10.unknown	DNR-WRS-22-0003		18,195	-
					<u>40,107</u>	<u>-</u>
	<b>US Dept of Agriculture Pass-Through Total</b>				<u>517,341</u>	<u>90,279</u>
	<b>US Dept of Agriculture Total</b>				<u>2,432,520</u>	<u>367,103</u>
US Dept of Transportation	Pipeline & Hazardous Mats Saf Admin (PHMSA)	20.724	693JK320C000008		685,431	-
US Dept of Transportation	Pipeline & Hazardous Mats Saf Admin (PHMSA)	20.unknown	692M15-21-T-00022		176,325	60,835
	<b>US Dept of Transportation Direct Total</b>				<u>861,756</u>	<u>60,835</u>
US Dept of Transportation	West Virginia Dept of Highways	20.200	LTAP 2021-2025		283,734	-
US Dept of Transportation	West Virginia Dept of Highways	20.200	Research Project No. 323		13,734	-
US Dept of Transportation	West Virginia Dept of Highways	20.200	Research Project No. 323		4,219	-
US Dept of Transportation	West Virginia Dept of Highways	20.200	RP-312.03; T699-SPR/312.03		137,276	-
					<u>438,963</u>	<u>-</u>
US Dept of Transportation	Nevada Dept of Transportation	20.205	Agreement Number P147-21-803		83,571	20,414
US Dept of Transportation	South Dakota Dept of Transportation	20.205	311387 SD2018-06		3,130	-
US Dept of Transportation	The Ohio University	20.205	UT21309		4,233	-
					<u>90,934</u>	<u>20,414</u>
US Dept of Transportation	Penn State University	20.701	Subaward 5905-WVU-DOT-7103		191	-
US Dept of Transportation	Washington State University	20.701	135461 SPC003222		17,987	-
					<u>18,178</u>	<u>-</u>
US Dept of Transportation	National Academy of Sciences	20.unknown	SUB0001495 Unit #913		34,428	13,941
US Dept of Transportation	Penn State University	20.unknown	5905-WVU-DOT-7103		54,587	-
US Dept of Transportation	Penn State University	20.unknown	5905-WVU-DOT-7103		51,026	-
US Dept of Transportation	Penn State University	20.unknown	Subaward 5905-WVU-DOT-7103		71,618	-
US Dept of Transportation	Penn State University	20.unknown	Subaward 5905-WVU-DOT-7103		46,964	-
US Dept of Transportation	Penn State University	20.unknown	Subaward 5905-WVU-DOT-7103		40,635	-
US Dept of Transportation	Penn State University	20.unknown	Subaward 5905-WVU-DOT-7103		17,256	-
US Dept of Transportation	West Virginia Dept of Highways	20.unknown	RP-296		81,310	52,661
US Dept of Transportation	West Virginia Dept of Highways	20.unknown	RP-296		20,707	-
US Dept of Transportation	West Virginia Dept of Highways	20.unknown	RP-296		82	-
US Dept of Transportation	West Virginia Dept of Highways	20.unknown	State Project X142-H-38.99-05		451,240	-
					<u>869,853</u>	<u>66,602</u>
	<b>US Dept of Transportation Pass-Through Total</b>				<u>1,417,928</u>	<u>87,016</u>
	<b>US Dept of Transportation Total</b>				<u>2,279,684</u>	<u>147,851</u>

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<u>Research and Development</u>	<u>Federal Division/Pass Through Entity</u>	<u>Assistance Listing No.</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
US Dept of Commerce	National Institute of Standards & Technology	11.609	70NANB18H238		\$ 97,241	\$ -
US Dept of Commerce	National Institute of Standards & Technology	11.609	70NANB20H028		26,423	-
					<u>123,664</u>	<u>-</u>
US Dept of Commerce	Manufacturing Extension Partnership	11.611	70NANB21H003		630,228	-
US Dept of Commerce	National Institute of Standards & Technology	11.unknown	NCNJ1000-20-01220		28,968	-
	<b>US Dept of Commerce Direct Total</b>				<u>782,860</u>	<u>-</u>
US Dept of Commerce	Clarkson University	11.unknown	Subaward #101434-01		9,696	-
	<b>US Dept of Commerce Pass-Through Total</b>				<u>9,696</u>	<u>-</u>
	<b>US Dept of Commerce Total</b>				<u>792,556</u>	<u>-</u>
US Dept of Interior	Office of Surface Mining	15.255	S20AC20042		97,091	-
US Dept of Interior	Office of Surface Mining	15.255	S21AC10054-00		46,430	-
US Dept of Interior	Office of Surface Mining	15.255	S21AC10058-01		53,986	-
					<u>197,507</u>	<u>-</u>
US Dept of Interior	Fish and Wildlife Management Assistance	15.608	F21AP03188-00		3,948	-
US Dept of Interior	US Geological Survey	15.805	G16AP00091		75,112	-
US Dept of Interior	US Geological Survey	15.805	G21AP10620		32,657	-
					<u>107,769</u>	<u>-</u>
US Dept of Interior	US Geological Survey	15.812	G18AC00252		61,289	-
US Dept of Interior	US Geological Survey	15.812	G19AC00285		10	-
US Dept of Interior	US Geological Survey	15.812	G21AC10194-00		29,594	-
					<u>90,893</u>	<u>-</u>
	<b>US Dept of Interior Direct Total</b>				<u>400,117</u>	<u>-</u>
US Dept of Interior	University of Pittsburgh	15.255	AWD00002162 (416508-1)		17,226	-
US Dept of Interior	University of Wisconsin	15.608	19-04		5,576	-
US Dept of Interior	Wisconsin Dept of National Resources	15.608	PO 37000-0000016332		36,482	-
					<u>42,058</u>	<u>-</u>
US Dept of Interior	South Dakota Game, Fish, & Parks	15.611	20SC06W013		31,344	-
US Dept of Interior	West Penn Hospital Foundation	15.815	AV18-WV-01		39,951	-
US Dept of Interior	National Coal Heritage Area Authority	15.939	2021-NCH-30		12,500	-

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
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YEAR ENDED JUNE 30, 2022**

<u>Research and Development</u>	<u>Federal Division/Pass Through Entity</u>	<u>Assistance Listing No.</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
US Dept of Interior	West Virginia Division of National Resources	15.unknown	DNR-TS259B		\$ 56,650	\$ -
	<b>US Dept of Interior Pass-Through Total</b>				<u>199,729</u>	<u>-</u>
	<b>US Dept of Interior Total</b>				<u>599,846</u>	<u>-</u>
US Dept of Education	Innovative Rehabilitation Training	84.263	H263C190013		435,046	-
	<b>US Dept of Education Direct Total</b>				<u>435,046</u>	<u>-</u>
US Dept of Education	University of Missouri	84.327	K0000100320		6,026	-
	<b>US Dept of Education Pass-Through Total</b>				<u>6,026</u>	<u>-</u>
	<b>US Dept of Education Total</b>				<u>441,072</u>	<u>-</u>
Environmental Protection Agency	Exchange Network Grant Program	66.608	Grant No. 96363201-0		4,679	-
Environmental Protection Agency	Cooperative Agreements	66.818	Grant No. 96379101 - 0		143,148	-
	<b>Environmental Protection Agency Direct Total</b>				<u>147,827</u>	<u>-</u>
Environmental Protection Agency	WV Forest, Commerce, Labor, & Environ Pro	66.460	NPS 1684		28,724	-
Environmental Protection Agency	WV Forest, Commerce, Labor, & Environ Pro	66.460	NPS1589		21,343	18,073
Environmental Protection Agency	WV Forest, Commerce, Labor, & Environ Pro	66.460	NPS1642		663	-
Environmental Protection Agency	WV Forest, Commerce, Labor, & Environ Pro	66.460	NPS1704		14,631	-
Environmental Protection Agency	WV Forest, Commerce, Labor, & Environ Pro	66.460	NPS1734		21,234	-
Environmental Protection Agency	WV Forest, Commerce, Labor, & Environ Pro	66.460	NPS-1787		2,426	-
					<u>89,021</u>	<u>18,073</u>
Environmental Protection Agency	WV Forest, Commerce, Labor, & Environ Pro	66.466	NPS-1747-20		23,829	8,894
Environmental Protection Agency	Wisconsin Dept of Natural Resources	66.469	PO 37000-0000017567		49,981	-
Environmental Protection Agency	Virginia Poly Institute	66.516	451696-19147		5,986	-
Environmental Protection Agency	Eastern Research Group, Inc.	66.unknown	STR-015/14 Task Order #2		1,496	-
	<b>Environmental Protection Agency Pass-Through Total</b>				<u>170,313</u>	<u>26,967</u>
	<b>Environmental Protection Agency Total</b>				<u>318,140</u>	<u>26,967</u>

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
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YEAR ENDED JUNE 30, 2022**

<u>Research and Development</u>	<u>Federal Division/Pass Through Entity</u>	<u>Assistance Listing No.</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
Appalachian Regional Commission	Appalachian Area Development	23.002	PW-19667-19		\$ 4,156	\$ -
Appalachian Regional Commission	Appalachian Area Development	23.002	PW-20276-21		66,577	-
					<u>70,733</u>	<u>-</u>
Appalachian Regional Commission	Appalachian Area Development	23.unknown	CO-20542-22		14,100	-
	<b>Appalachian Regional Commission Direct Total</b>				<u>84,833</u>	<u>-</u>
Appalachian Regional Commission	Southern Highlands Com Mental Health Ctr	23.unknown	NA		30,025	-
	<b>Appalachian Regional Commission Pass-Through Total</b>				<u>30,025</u>	<u>-</u>
	<b>Appalachian Regional Commission Total</b>				<u>114,858</u>	<u>-</u>
US Dept of Labor	Occupational Safety & Health Admin (OSHA)	17.502	SH-37158-21-60-F-54		99,152	-
	<b>US Dept of Labor Direct Total</b>				<u>99,152</u>	<u>-</u>
	<b>US Dept of Labor Total</b>				<u>99,152</u>	<u>-</u>
US Dept of Housing & Urban Development	General Research and Technology Activities	14.506	RP-17-WV-005		38,037	-
US Dept of Housing & Urban Development	General Research and Technology Activities	14.506	RP-17-WV-005		10,349	-
					<u>48,386</u>	<u>-</u>
	<b>US Dept of Housing &amp; Urban Development Direct Total</b>				<u>48,386</u>	<u>-</u>
	<b>US Dept of Housing &amp; Urban Development Total</b>				<u>48,386</u>	<u>-</u>
US Agency for International Development	National Academy of Sciences	98.001	2000010560		43,680	-
	<b>US Agency for International Development Pass-Through Total</b>				<u>43,680</u>	<u>-</u>
	<b>US Agency for International Development Total</b>				<u>43,680</u>	<u>-</u>
	<b>Total Research and Development</b>				<u>\$ 86,567,140</u>	<u>\$ 11,966,779</u>

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
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<u>Other Programs</u>	<u>Assistance Listing No.</u>	<u>Federal Program/Pass Through Entity</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
<b>Federal Agency:</b>						
US Dept of Health and Human Services	93.107	Area Health Education Centers	U77 HP16458		\$ 701,070	\$ 225,378
US Dept of Health and Human Services	93.110	Maternal and Child Health Federal Consolidated Programs	T73MC00043-28-00		320	-
US Dept of Health and Human Services	93.110	Maternal and Child Health Federal Consolidated Programs	T73MC00043-29-00		609,573	-
					<u>609,893</u>	<u>-</u>
US Dept of Health and Human Services	93.117	Preventive Medicine and Public Health Residency Training Program	D33HP31679		43,218	-
US Dept of Health and Human Services	93.117	Preventive Medicine and Public Health Residency Training Program	D33HP31679		286,506	-
					<u>329,724</u>	<u>-</u>
US Dept of Health and Human Services	93.124	Nurse Anesthetist Traineeship	A22HP39208		6,132	-
US Dept of Health and Human Services	93.135	Ctr for Research & Demo. for Health Promotion & Dis Prevention	U48 DP006391		355,358	-
US Dept of Health and Human Services	93.153	Coord Serv & Access to Res for Women, Infants, Children, & Youth	4 H12HA24866-08-01		36,061	-
US Dept of Health and Human Services	93.153	Coord Serv & Access to Res for Women, Infants, Children, & Youth	5 H12HA24866-09-00		199,194	-
					<u>235,255</u>	<u>-</u>
US Dept of Health and Human Services	93.155	Rural Health Research Centers	P13RH33185		222,142	-
US Dept of Health and Human Services	93.211	Telehealth Programs	H2ARH30310		9,748	-
US Dept of Health and Human Services	93.226	Research on Healthcare Costs, Quality and Outcomes	R13 HS027928		43,048	-
US Dept of Health and Human Services	93.234	Traumatic Brain Injury State Demonstration Grant Program	90TBSG0038		229,835	-
US Dept of Health and Human Services	93.243	Substance Abuse and Mental Health Services Projects	1H79T1081676		39,967	-
US Dept of Health and Human Services	93.243	Substance Abuse and Mental Health Services Projects	H79 FG000101		20,771	-
US Dept of Health and Human Services	93.243	Substance Abuse and Mental Health Services Projects	1H79M084929		6,895	-
US Dept of Health and Human Services	93.243	Substance Abuse and Mental Health Services Projects	1H79M084929		67,150	-
					<u>134,783</u>	<u>-</u>
US Dept of Health and Human Services	93.253	Poison Center Support and Enhancement Grant Program	H4BHS15504		119,887	-
US Dept of Health and Human Services	93.262	Occupational Safety and Health Program	T03 OH008431		320,055	-
US Dept of Health and Human Services	93.464	ACL Assistive Technology	2001WVATSG-00		27,205	-
US Dept of Health and Human Services	93.464	ACL Assistive Technology	2101WVATSG-02		259,282	-
					<u>286,487</u>	<u>-</u>
US Dept of Health and Human Services	93.504	Family to Family Health Information Centers	1 H84MC31692-01-00		70,846	-

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
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<u>Other Programs</u>	<u>Assistance Listing No.</u>	<u>Federal Program/Pass Through Entity</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
US Dept of Health and Human Services	93.632	University Ctrs for Excellence in Dev. Disabilities Ed, Res, & Serv	90DDUC0027		\$ 521,225	\$ -
US Dept of Health and Human Services	93.632	University Ctrs for Excellence in Dev. Disabilities Ed, Res, & Serv	90DDC50043-01-00	Yes	7,187	-
					<u>528,412</u>	<u>-</u>
US Dept of Health and Human Services	93.732	Mental and Behavioral Health Education and Training Grants	1 T25HP37630-01-00		54,190	-
US Dept of Health and Human Services	93.800	Organized Approaches to Increase Colorectal Cancer Screening	1 NU58DP006768-01-00		10,002	-
US Dept of Health and Human Services	93.884	Grants for Primary Care Training and Enhancement	T34 HP42152		54,343	-
US Dept of Health and Human Services	93.912	Rural Health Care Services Outreach	GA1RH33561		336,940	5,055
US Dept of Health and Human Services	93.918	Outpatient Early Intervention Services for HIV Disease	5 H76HA01719?18?00		324,824	-
US Dept of Health and Human Services	93.918	Outpatient Early Intervention Services for HIV Disease	N/A		75,940	-
					<u>400,764</u>	<u>-</u>
US Dept of Health and Human Services	93.926	Healthy Start Initiative	H49MC00161		1,068,211	-
		<b>US Dept of Health &amp; Human Services Direct Total</b>			<u>6,127,125</u>	<u>230,433</u>
US Dept of Health and Human Services	93.080	Children's Hospital of Philadelphia	Grant GRT-00000783 PO 20224728		8,067	-
US Dept of Health and Human Services	93.110	Children's Hospital of Philadelphia	3209610522/PO# 20274323		9,239	-
US Dept of Health and Human Services	93.136	WV Dept of Health & Human Services	G210392		76,608	-
US Dept of Health and Human Services	93.136	WV Dept of Health & Human Services	G220407		314,650	-
					<u>391,258</u>	<u>-</u>
US Dept of Health and Human Services	93.145	University of Pittsburgh	AWD00002368(134508-6)	Yes	3,675	-
US Dept of Health and Human Services	93.145	University of Pittsburgh	CNVA00050178 (135293-4)		465	-
US Dept of Health and Human Services	93.145	University of Pittsburgh	CNVA00050178 (136319-6)		207,092	-
US Dept of Health and Human Services	93.145	University of Pittsburgh	NA		79,468	-
					<u>290,700</u>	<u>-</u>
US Dept of Health and Human Services	93.236	WV Dept of Health & Human Services	G200827		65,681	-
US Dept of Health and Human Services	93.236	WV Dept of Health & Human Services	G210300		100,952	-
US Dept of Health and Human Services	93.236	WV Dept of Health & Human Services	G220406		210,922	-
					<u>377,555</u>	<u>-</u>
US Dept of Health and Human Services	93.251	WV Dept of Health & Human Services	G220408		318,898	-
US Dept of Health and Human Services	93.262	CPWR	3001-1211		88,172	-
US Dept of Health and Human Services	93.262	University of Kentucky	PO #7800005747		181,999	-
					<u>270,171</u>	<u>-</u>



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<u>Other Programs</u>	<u>Assistance Listing No.</u>	<u>Federal Program/Pass Through Entity</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
US Dept of Health and Human Services	93.268	WV Dept of Health & Human Services	G221016	Yes	\$ 238,288	\$ -
US Dept of Health and Human Services	93.268	WV Dept of Health & Human Services	G221017	Yes	76,873	2,078
US Dept of Health and Human Services	93.268	WV Dept of Health & Human Services	G221053	Yes	47,391	-
					<u>362,552</u>	<u>2,078</u>
US Dept of Health and Human Services	93.323	WV Dept of Health & Human Services	G210999	Yes	881,685	-
US Dept of Health and Human Services	93.323	WV Dept of Health & Human Services	G210854		155,291	-
US Dept of Health and Human Services	93.323	WV Dept of Health & Human Services	G210990	Yes	188,181	-
US Dept of Health and Human Services	93.323	WV Dept of Health & Human Services	G220351	Yes	127,174	-
US Dept of Health and Human Services	93.323	WV Dept of Health & Human Services	G221080	Yes	2,836	-
					<u>1,355,167</u>	<u>-</u>
US Dept of Health and Human Services	93.421	Assoc. of University Centers on Disabilities	Subaward # 15-21-8815	Yes	15,000	-
US Dept of Health and Human Services	93.421	NACDD	122021		33,536	-
US Dept of Health and Human Services	93.421	NACDD	5-NU38OT000286-4		20,397	-
					<u>68,933</u>	<u>-</u>
US Dept of Health and Human Services	93.426	State of New Mexico Department of Health	MOA 22943 PO 66500-0000169916		12,098	-
US Dept of Health and Human Services	93.426	WV Dept of Health & Human Services	G220187		268,481	-
					<u>280,579</u>	<u>-</u>
US Dept of Health and Human Services	93.516	University of Pittsburgh	Sub #CNVA00061461 (134677-1)		5,105	-
US Dept of Health and Human Services	93.516	University of Pittsburgh	Sub #CNVA00061461 (136060-1)		26,755	-
					<u>31,860</u>	<u>-</u>
US Dept of Health and Human Services	93.575	WV Dept of Health & Human Services	G210533		7,499	-
US Dept of Health and Human Services	93.575	WV Dept of Health & Human Services	G220137		23,330	-
					<u>30,829</u>	<u>-</u>
US Dept of Health and Human Services	93.658	WV Dept of Health & Human Services	G220057		497,452	-
US Dept of Health and Human Services	93.659	WV Dept of Health & Human Services	G210080		6,129	-
US Dept of Health and Human Services	93.674	WV Dept of Health & Human Services	G210037		932	-
US Dept of Health and Human Services	93.674	WV Dept of Health & Human Services	NA		86,966	-
					<u>87,898</u>	<u>-</u>
US Dept of Health and Human Services	93.788	WV Dept of Health & Human Services	G200749		454,704	-
US Dept of Health and Human Services	93.788	WV Dept of Health & Human Services	G200749		80,304	-
US Dept of Health and Human Services	93.788	WV Dept of Health & Human Services	G200669		132,957	-
US Dept of Health and Human Services	93.788	WV Dept of Health & Human Services	G200669		113,394	-
US Dept of Health and Human Services	93.788	WV Dept of Health & Human Services	G200675		480,465	-
US Dept of Health and Human Services	93.788	WV Dept of Health & Human Services	G220545		384,946	-
US Dept of Health and Human Services	93.788	WV Dept of Health & Human Services	G220562		27,964	-
					<u>1,674,734</u>	<u>-</u>

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US Dept of Health and Human Services	93.889	WV Dept of Health & Human Services	G210293		\$ 33,812	\$ -
US Dept of Health and Human Services	93.889	WV Dept of Health & Human Services	G220336		80,530	-
					<u>114,342</u>	<u>-</u>
US Dept of Health and Human Services	93.898	WV Dept of Health & Human Services	G210441		229	-
US Dept of Health and Human Services	93.898	WV Dept of Health & Human Services	G210153		4,833	-
US Dept of Health and Human Services	93.898	WV Dept of Health & Human Services	G220467		482,374	42,000
US Dept of Health and Human Services	93.898	WV Dept of Health & Human Services	G220102		55,968	-
					<u>543,404</u>	<u>42,000</u>
US Dept of Health and Human Services	93.917	WV Dept of Health & Human Services	G210976		18,919	-
US Dept of Health and Human Services	93.917	WV Dept of Health & Human Services	NA		4,833	-
					<u>23,752</u>	<u>-</u>
US Dept of Health and Human Services	93.994	WV Dept of Health & Human Services	G210388		935	-
US Dept of Health and Human Services	93.994	WV Dept of Health & Human Services	G220188		320,887	-
					<u>321,822</u>	<u>-</u>
US Dept of Health and Human Services	93.unknown	American Academy of Pediatrics	Bright Futures		400	-
US Dept of Health and Human Services	93.unknown	New York University	18-01		9,417	-
US Dept of Health and Human Services	93.unknown	WESTAT	6732-00-S002		28,508	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	G210456		21,640	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	G210838		81,251	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	G210994		300,000	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	G220110		516,075	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	BHS2000000002		25,156	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	BMS2000000006		19,973	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	BMS2000000018		952	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	BMS2000000015		708,429	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	BHS2100000006		55,829	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	MCH2100000002 1		21,880	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	BMS2100000008 1	Yes	18,914	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	BMS2100000009 1		12,921	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	ACT05062953EHP2100000061		161,506	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	BMS2100000011 1		59,835	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	HHR2200000001		18,035	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	ACT05112680BMS21000000121		5,524	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	BMS2200000004		7,496	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	BMS2200000002 1	Yes	55,023	-
US Dept of Health and Human Services	93.unknown	WV Dept of Health & Human Services	SOR-MS		34,349	-
					<u>2,163,113</u>	<u>-</u>
<b>US Dept of Health &amp; Human Services Pass-Through Total</b>					<u>9,228,454</u>	<u>44,078</u>
<b>US Dept of Health &amp; Human Services Total</b>					<u>15,355,579</u>	<u>274,511</u>

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US Dept of Agriculture	10.147	Outreach Education & Tech. Assistance	FSA21CPT0011996		\$ 98,171	\$ -
US Dept of Agriculture	10.310	Agriculture and Food Research Initiative (AFRI)	2021-67038-34158		85,777	-
US Dept of Agriculture	10.329	Crop Protection and Pest Management Competitive Grants Program	2017-70006-27157		54,717	180
US Dept of Agriculture	10.329	Crop Protection and Pest Management Competitive Grants Program	2021-70006-35668		14,503	208
					<u>69,220</u>	<u>388</u>
US Dept of Agriculture	10.664	Cooperative Forestry Assistance	16-DG-11420004-144		117,313	-
US Dept of Agriculture	10.761	Technical Assistance and Training Grants	Case No 57-030 5758 Loan 35		267,878	14,710
US Dept of Agriculture	10.761	Technical Assistance and Training Grants	Case No 57-030 5758 Loan 36		128,692	28,756
					<u>396,570</u>	<u>43,466</u>
US Dept of Agriculture	10.902	Soil and Water Conservation	68-3D47-17-113		751	-
US Dept of Agriculture	10.902	Soil and Water Conservation	68-3D47-18-002		457	-
US Dept of Agriculture	10.902	Soil and Water Conservation	NR193D47XXXXC002		36,298	-
US Dept of Agriculture	10.902	Soil and Water Conservation	NR213D47XXXXC002		4,773	-
					<u>42,279</u>	<u>-</u>
US Dept of Agriculture	10.904	Watershed Protection and Flood Prevention	NR183D47XXXXC003		51,896	-
US Dept of Agriculture	10.904	Watershed Protection and Flood Prevention	NR203D47XXXXC008		264,016	-
					<u>315,912</u>	<u>-</u>
US Dept of Agriculture	10.913	Farm and Ranch Lands Protection Program	NR213A750009C003		156,410	-
US Dept of Agriculture	10.931	Agricultural Conservation Easement Program	68-3D47-18-004		155	-
US Dept of Agriculture	10.931	Agricultural Conservation Easement Program	NR203D47XXXXC002		97,646	-
					<u>97,801</u>	<u>-</u>
US Dept of Agriculture	10.unknown	Forest Service	16-DG-11132544-052		167,923	-
		<b>US Dept of Agriculture Direct Total</b>			<u>1,547,376</u>	<u>43,854</u>
US Dept of Agriculture	10.170	WV Dept of Agriculture	20SC09		902	-
US Dept of Agriculture	10.215	University of Vermont	SNE19-14-34268		3,005	-
US Dept of Agriculture	10.215	University of Vermont	SNE20-014-WV-34268		17,898	-
US Dept of Agriculture	10.215	University of Vermont	ONE21-393-35383		3,024	-
					<u>23,927</u>	<u>-</u>
US Dept of Agriculture	10.500	Texas A&M University	Subaward M2001239		85,158	-
US Dept of Agriculture	10.500	University of Delaware	Subaward # 59001		53,606	-
					<u>138,764</u>	<u>-</u>

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
YEAR ENDED JUNE 30, 2022**

<u>Other Programs</u>	<u>Assistance Listing No.</u>	<u>Federal Program/Pass Through Entity</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
US Dept of Agriculture	10.561	WV Dept of Health & Human Services	G210742		\$ 1,544,390	\$ -
US Dept of Agriculture	10.561	WV Dept of Health & Human Services	G220143		2,383,531	266,241
					<u>3,927,921</u>	<u>266,241</u>
		<b>US Dept of Agriculture Pass-Through Total</b>			<u>4,091,514</u>	<u>266,241</u>
		<b>US Dept of Agriculture Total</b>			<u>5,638,890</u>	<u>310,095</u>
US Dept of Labor	17.502	Occupational Safety and Health Susan Harwood Training Grants	SH99017SH0		63,942	-
US Dept of Labor	17.603	Brookwood-Sago Grant	BS-35543-20-60-R-54		5,694	-
US Dept of Labor	17.603	Brookwood-Sago Grant	BS-37104-21-60-R-54		44,090	-
					<u>49,784</u>	<u>-</u>
US Dept of Labor	17.unknown	Office of Disability Employment Programs	1605DC-17-C-0038		2,086,468	-
US Dept of Labor	17.unknown	Office of Disability Employment Programs	OD-38028-22-75-4-54		675,697	-
					<u>2,762,165</u>	<u>-</u>
		<b>US Dept of Labor Direct Total</b>			<u>2,875,891</u>	<u>-</u>
		<b>US Dept of Labor Total</b>			<u>2,875,891</u>	<u>-</u>
US Dept of Energy	81.089	Fossil Energy Research and Development	DE-FE0031834		1,497,900	77,419
		<b>US Dept of Energy Direct Total</b>			<u>1,497,900</u>	<u>77,419</u>
US Dept of Energy	81.unknown	Argonne National Laboratory	AVTC12		99,015	-
US Dept of Energy	81.unknown	Leonardo Technologies, Inc.	LTI-FE0022594-WVU		3,524	-
					<u>102,539</u>	<u>-</u>
		<b>US Dept of Energy Pass-Through Total</b>			<u>102,539</u>	<u>-</u>
		<b>US Dept of Energy Total</b>			<u>1,600,439</u>	<u>77,419</u>
US Dept of Education	84.047	TRIO Upward Bound	P047A170430		28,612	-
US Dept of Education	84.047	TRIO Upward Bound	P047A170430		283,625	-
					<u>312,237</u>	<u>-</u>
		<b>TRIO Cluster Total</b>			<u>312,237</u>	<u>-</u>
US Dept of Education	84.335	Child Care Access Means Parents in School	P335A180314		199,725	-
		<b>US Dept of Education Direct Total</b>			<u>511,962</u>	<u>-</u>

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
YEAR ENDED JUNE 30, 2022**

<u>Other Programs</u>	<u>Assistance Listing No.</u>	<u>Federal Program/Pass Through Entity</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
US Dept of Education	84.027	WV Dept of Education	GRTAWD04022000001792		\$ 212	\$ -
US Dept of Education	84.027	WV Dept of Education	GRTAWD04022000005294		33,369	-
US Dept of Education	84.027	WV Dept of Education	GRTAWD04022100001401		2,893	-
US Dept of Education	84.027	WV Dept of Education	GRTAWD04022100001402		28,450	-
US Dept of Education	84.027	WV Dept of Education	GRTAWD04022000004638		10,307	-
US Dept of Education	84.287	WV Dept of Education	GRTAWD04022100002532		3,455	-
US Dept of Education	84.287	WV Dept of Education	GRTAWD04022200002188		11,883	-
US Dept of Education	84.287	WV Dept of Education	GRTAWD04022200004157		6,553	-
US Dept of Education	84.287	WV Dept of Education	GRTAWD04022200004158		12,007	-
					<u>109,129</u>	<u>-</u>
US Dept of Education	84.310	Edventure Group, Inc.	N/A		3,642	-
US Dept of Education	84.310	Edventure Group, Inc.	N/A		12,894	-
US Dept of Education	84.310	Edventure Group, Inc.	N/A		31,989	-
					<u>48,525</u>	<u>-</u>
US Dept of Education	84.334	WV Higher Education Policy Commission	2019-NEWGU		58,633	-
US Dept of Education	84.334	WV Higher Education Policy Commission	2020-GU-TFYP-5		734	-
US Dept of Education	84.334	WV Higher Education Policy Commission	2020-GU-TFYP-6		5,235	-
					<u>64,602</u>	<u>-</u>
US Dept of Education	84.unknown	WESTAT	6733-S-004		227,346	-
US Dept of Education	84.unknown	WV Dept of Education	GRTAWD04022200002766		31,612	-
					<u>258,958</u>	<u>-</u>
		<b>US Dept of Education Pass-Through Total</b>			<u>481,214</u>	<u>-</u>
		<b>US Dept of Education Total</b>			<u>993,176</u>	<u>-</u>
US Dept of Defense	12.300	Basic and Applied Scientific Research	N00014-19-C-2042 PO 1300758363		237,550	-
US Dept of Defense	12.750	Uniformed Services University of the Health Sciences	HU00012110029		383,623	-
US Dept of Defense	12.750	Uniformed Services University of the Health Sciences	HU00012010029		55,794	-
					<u>439,417</u>	<u>-</u>
		<b>US Dept of Defense Direct Total</b>			<u>676,967</u>	<u>-</u>
US Dept of Defense	12.900	WV Dept of Education	GRTAWD04022200004620		7,000	-
US Dept of Defense	12.unknown	Iconic Air, Inc.	Total Exposure Monitoring Syst		183,102	-
		<b>US Dept of Defense Pass-Through Total</b>			<u>190,102</u>	<u>-</u>
		<b>US Dept of Defense Total</b>			<u>867,069</u>	<u>-</u>

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
YEAR ENDED JUNE 30, 2022**

<u>Other Programs</u>	<u>Assistance Listing No.</u>	<u>Federal Program/Pass Through Entity</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
NASA	43.008	Education	80NSSC20M0055		\$ 546,227	\$ 61,695
NASA	43.008	Education	80NSSC20M0055		<u>229,190</u>	<u>-</u>
					775,417	61,695
		<b>National Aeronautics and Space Administration Direct Total</b>			<u>775,417</u>	<u>61,695</u>
		<b>National Aeronautics and Space Administration Total</b>			<u>775,417</u>	<u>61,695</u>
US Dept of Justice	16.unknown	Federal Bureau of Investigation	15F06721G0000490		175,663	-
US Dept of Justice	16.unknown	Federal Bureau of Investigation	15F06721G0000492		114,007	23,428
US Dept of Justice	16.unknown	Federal Bureau of Investigation	15F06722F0000324		<u>106,644</u>	<u>-</u>
					396,314	23,428
		<b>US Dept of Justice Direct Total</b>			<u>396,314</u>	<u>23,428</u>
US Dept of Justice	16.unknown	National 4-H Council	WV NMP10		17,053	-
US Dept of Justice	16.unknown	National 4-H Council	OJJDP Mentoring Prog Year10		39,499	-
US Dept of Justice	16.unknown	National 4-H Council	Health Rocks Year 2		20,628	-
US Dept of Justice	16.unknown	National 4-H Council	Health Rocks Year 2		96,777	-
US Dept of Justice	16.unknown	National 4-H Council	WV NMP11		45,066	-
US Dept of Justice	16.unknown	National 4-H Council	Lead Advisor		<u>39,306</u>	<u>-</u>
					258,329	-
		<b>US Dept of Justice Pass-Through Total</b>			<u>258,329</u>	<u>-</u>
		<b>US Dept of Justice Total</b>			<u>654,643</u>	<u>23,428</u>
US Dept of Homeland Security	97.043	State Fire Training Systems Grants	EMW-2021-GR-00180-S01		1,474	-
		<b>US Department of Homeland Security Direct Total</b>			<u>1,474</u>	<u>-</u>
US Dept of Homeland Security	97.039	WV Division of Homeland Security	FEMA-4273-DR-WV-0031		613,755	-
		<b>US Department of Homeland Security Pass-Through Total</b>			<u>613,755</u>	<u>-</u>
		<b>US Department of Homeland Security Total</b>			<u>615,229</u>	<u>-</u>
Corp. for National & Community Service	94.006	WV Commission for NAT/Community Service	20AC225144-19AFHWV0010001		164,625	-
Corp. for National & Community Service	94.006	WV Commission for NAT/Community Service	21AC232595-21ACBWV0010002		<u>285,283</u>	<u>-</u>
					449,908	-
		<b>Corporation for National Community Service Pass-Through Total</b>			<u>449,908</u>	<u>-</u>
		<b>Corporation for National Community Service Total</b>			<u>449,908</u>	<u>-</u>

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
YEAR ENDED JUNE 30, 2022**

<u>Other Programs</u>	<u>Assistance Listing No.</u>	<u>Federal Program/Pass Through Entity</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
US Dept of State	19.027	Energy Governance and Reform Programs	SINLEC20A3120		\$ 254,873	\$ -
		<b>US Department of State Direct Total</b>			<u>254,873</u>	<u>-</u>
US Dept of State	19.unknown	American Assoc. of Geographers	AGG WVU C2M2 YouthMappers		7,096	-
		<b>US Department of State Pass-Through Total</b>			<u>7,096</u>	<u>-</u>
		<b>US Department of State Total</b>			<u>261,969</u>	<u>-</u>
Appalachian Regional Commission	23.002	Appalachian Area Development	IS-20274-21		188,290	6,166
		<b>Appalachian Regional Commission Direct Total</b>			<u>188,290</u>	<u>6,166</u>
Appalachian Regional Commission	23.002	WV Commission for NAT/Community Service	PW-20415-IM-21		25,922	-
		<b>Appalachian Regional Commission Pass-Through Total</b>			<u>25,922</u>	<u>-</u>
		<b>Appalachian Regional Commission Total</b>			<u>214,212</u>	<u>6,166</u>
Social Security Administration	96.008	Social Security - Work Incentives Planning and Assistance Program	7WIP18050487-03-00		13,805	-
Social Security Administration	96.008	Social Security - Work Incentives Planning and Assistance Program	1 WIP21050538-01-00		198,263	-
		<b>Social Security Administration Direct Total</b>			<u>212,068</u>	<u>-</u>
		<b>Social Security Administration Total</b>			<u>212,068</u>	<u>-</u>
US Dept of Treasury	21.008	Low Income Taxpayer Clinics	21-LITC0543-01-00		41,049	-
		<b>US Dept of Treasury Direct Total</b>			<u>41,049</u>	<u>-</u>
US Dept of Treasury	21.019	WV Higher Education Policy Commission	2022-NPE-6	Yes	29,754	-
	21.019	WV Higher Education Policy Commission	2022-NPE-9	Yes	93,180	-
		<b>US Dept of Treasury Pass-Through Total</b>			<u>122,934</u>	<u>-</u>
		<b>US Dept of Treasury Total</b>			<u>163,983</u>	<u>-</u>
Environmental Protection Agency	66.814	Brownfields Training, Res, & Tech Assistance Grants	96390301		145,286	-
		<b>Environmental Protection Agency Direct Total</b>			<u>145,286</u>	<u>-</u>

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
YEAR ENDED JUNE 30, 2022**

<u>Other Programs</u>	<u>Assistance Listing No.</u>	<u>Federal Program/Pass Through Entity</u>	<u>Contract Number</u>	<u>COVID-19 Related</u>	<u>Federal Expenditures</u>	<u>Subrecipient Expenditures</u>
Environmental Protection Agency	66.204	WV Dept of Health & Human Services	G220980		\$ 12,331	\$ -
		<b>Environmental Protection Agency Pass-Through Total</b>			<u>12,331</u>	<u>-</u>
		<b>Environmental Protection Agency Total</b>			<u>157,617</u>	<u>-</u>
National Endowment for the Humanities	45.149	Promotion of the Humanities Division of Preservation and Access	PJ-50080-11		84,822	15,395
		<b>National Endowment for the Humanities Direct Total</b>			<u>84,822</u>	<u>15,395</u>
National Endowment for the Humanities	45.129	Humanities Foundation of WV	Grant # 20.2.7875		1,500	-
National Endowment for the Humanities	45.129	Humanities Foundation of WV	Grant # 20.1.7848		5,916	-
National Endowment for the Humanities	45.129	Humanities Foundation of WV	Grant # 21.2.8014		1,132	-
National Endowment for the Humanities	45.129	Humanities Foundation of WV	Grant # 21.2-8013		6,444	-
National Endowment for the Humanities	45.129	Humanities Foundation of WV	Grant # 21.1.8112		7,366	-
National Endowment for the Humanities	45.129	WV Humanities Council	22.2.8164		1,500	-
					<u>23,858</u>	<u>-</u>
		<b>National Endowment for the Humanities Pass-Through Total</b>			<u>23,858</u>	<u>-</u>
		<b>National Endowment for the Humanities Total</b>			<u>108,680</u>	<u>15,395</u>
US Dept of Transportation	20.200	WV Dept of Highways	T699-SPR/21.00		53,652	-
		<b>US Dept of Transportation Pass-Through Total</b>			<u>53,652</u>	<u>-</u>
		<b>US Dept of Transportation Total</b>			<u>53,652</u>	<u>-</u>
US Dept of Commerce	11.611	Manufacturing Extension Partnership	70NANB20H053		36,332	-
		<b>US Dept of Commerce Direct Total</b>			<u>36,332</u>	<u>-</u>
		<b>US Dept of Commerce Total</b>			<u>36,332</u>	<u>-</u>
US Dept of Interior	15.unknown	National Coal Heritage Area Authority	2021-NCH-31		9,888	-
		<b>US Dept of Interior Pass-Through Total</b>			<u>9,888</u>	<u>-</u>
		<b>US Dept of Interior Total</b>			<u>9,888</u>	<u>-</u>
		<b>Total Other Programs</b>			<u>31,044,642</u>	<u>768,709</u>
		<b>Research and Development Total</b>			<u>86,567,140</u>	<u>11,966,779</u>
		<b>Total Research and Development and Other Programs</b>			<u>\$ 117,611,782</u>	<u>\$ 12,735,488</u>



**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION**  
**NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**JUNE 30, 2022**

**NOTE 1 BASIS OF PRESENTATION**

The accompanying schedule of expenditures of federal awards (the Schedule) includes the federal award activity of West Virginia University Research Corporation under programs of the federal government for the year ended June 30, 2022. The information in this Schedule is presented in accordance with the requirements of 2 CFR Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance)*. Because the Schedule presents only a selected portion of the operations of the Corporation, it is not intended to and does not present the financial position, changes in net position, or cash flows of West Virginia University Research Corporation.

The Corporation is the subrecipient of federal funds, which have been reported as expenditures and listed as federal pass-through funds.

**NOTE 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

Expenditures reported on the Schedule are reported on the modified cash basis of accounting. Such expenditures are recognized following the cost principles contained in the Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. On October 31, 2018, the Department of Health & Human Services (HHS) approved F&A cost recovery rates effective July 1, 2018 through June 30, 2022.

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SCHEDULE OF FINDINGS AND QUESTIONED COSTS  
YEAR ENDED JUNE 30, 2022**

**PART I. SUMMARY OF AUDITORS' RESULTS**  
**Financial Statements:**

Type of auditors' report issued: Unmodified

Internal control over financial reporting:

Material weakness(es) identified? \_\_\_\_\_ Yes       X       No

Significant deficiencies identified not considered to be material weaknesses? \_\_\_\_\_ Yes       X       No

Noncompliance material to financial statements noted? \_\_\_\_\_ Yes       X       No

**Federal Awards:**

Internal control over major programs:

Material weakness(es) identified? \_\_\_\_\_ Yes       X       No

Significant deficiencies identified not considered to be material weakness(es)? \_\_\_\_\_ Yes       X       No

Type of auditors' report issued on compliance for major programs: Unmodified

Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)? \_\_\_\_\_ Yes       X       No

Identification of Major Programs:

**Assistance Listing Number**

Various  
10.561

**Number Name of Federal Program or Cluster**

Research and Development Cluster  
State Administrative Matching Grants for the Supplemental Nutrition Assistance Program

Dollar threshold used to distinguish between Type A and Type B programs?

\$ 3,000,000

Auditee qualified as low-risk auditee?

      X       Yes                      No

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SCHEDULE OF FINDINGS AND QUESTIONED COSTS (CONTINUED)  
YEAR ENDED JUNE 30, 2022**

**PART II. CURRENT YEAR FINDINGS - FINANCIAL STATEMENT AUDIT**

Our audit did not disclose any matters required to be reported in accordance with *Government Auditing Standards*.

**PART III. CURRENT YEAR FINDINGS – MAJOR FEDERAL AWARD PROGRAMS AUDIT**

Our audit did not disclose any matters required to be reported in accordance with 2 CFR 200.516(a).

**WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION  
SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS  
YEAR ENDED JUNE 30, 2022**

U.S. Department of Health and Human Services

West Virginia University Research Corporation respectfully submits the following summary schedule of prior audit findings for the year ended June 30, 2021.

Audit period: July 1, 2020 to June 30, 2021

**FINDINGS—FINANCIAL STATEMENT AUDIT**

There were no financial statement findings in the prior year.

**FINDINGS— FEDERAL AWARD PROGRAMS AUDITS**

There were no federal award program audit findings in the prior year.

If the U.S. Department of Health and Human Services has questions regarding this schedule, please call Jaime Bunner at 304-293-4009.



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