

State of Washington
Schedule of Expenditures of Federal Awards
Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
(Expressed in whole dollars)

| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 10.001 | 3600 | US CIVILIAN RESEARCH & DEVELOPMENT FNDN | DAA919653831MOD5 | 68,280 |
| 10.001 | 3600 | US CIVILIAN RESEARCH & DEVELOPMENT FNDN | G20221269598 | 190,398 |
| 10.001 | 3650 | COTTON INCORPORATED | 130576006 | 77,523 |
| 10.001 | 3650 | DAIRY MANAGEMENT INC | 36780 | 31,087 |
| 10.001 | 3650 | OREGON STATE UNIVERSITY | R0783AA | 40,036 |
| 10.001 | 3650 | OREGON STATE UNIVERSITY | R0813AH | 61,691 |
| 10.001 | 3650 | RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT | 28377 | 30,005 |
| 10.001 | 3650 | RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT | 29021 | 23,276 |
| 10.001 | 3650 | UNIVERSITY OF MINNESOTA | A009917401 | 7,694 |
| 10.001 | 3650 | WALTERS AG RESEARCH | 138557 | 23,551 |
| 10.025 | 3650 | CORNELL UNIVERSITY | 13775521417 | 33,645 |
| 10.025 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | A212762S001 | 25,993 |
| 10.164 | 3650 | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION | 139503001 | 19 |
| 10.170 | 3600 | UNIVERSITY OF CALIFORNIA DAVIS | A210144S002AM03 | 96,368 |
| 10.170 | 3650 | POLLINATOR PARTNERSHIP | 142932001 | 14,511 |
| 10.175 | 3650 | ORTH OLYMPIC PENINSULA RESOURCE CONSERVATION & DEVELOPMENT COUNCIL | 139007001 | -2,400 |
| 10.175 | 3650 | GROW FOOD DBA VIVA FARMS | AM200100XXXXG176 | 20,002 |
| 10.176 | 3650 | CALIFORNIA STATE UNIVERSITY - FRESNO FOUNDATION | SC3511202208 | 8,854 |
| 10.200 | 3650 | MICHIGAN STATE UNIVERSITY | RC110588WSU | 5,997 |
| 10.200 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | A201347S062 | 9 |
| 10.200 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | A201347S063 | 176 |
| 10.200 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | A21-3578-S005 | 6,915 |
| 10.200 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | A213578S030 | 58,303 |
| 10.200 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | A221241S002 | 40,053 |

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|-------------------------------|-------------------------|---------------------------------|--------------------------------------|---------------------------|
| 10.200 | 3650 | UNIVERSITY OF IDAHO | AP4292870302 | -581 |
| 10.200 | 3650 | UNIVERSITY OF IDAHO | AP5081870745 | 17,099 |
| 10.200 | 3650 | UNIVERSITY OF IDAHO | AP5923870186 | 39,011 |
| 10.203 | 3600 | NORTH CAROLINA STATE UNIVERSITY | NRSP8 | 9,893 |
| 10.212 | 3650 | BANFIELDDBIO | 20213941235662 | 7,845 |
| 10.212 | 3650 | EN SOLUCION INC | 139060001 | 122,261 |
| 10.212 | 3650 | FORMOLOGY INC | 139870001 | 23,109 |
| 10.212 | 3650 | INTEGRATED LIPID BIOFUELS | 141837001 | 14,425 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G10822W8612 | 67,865 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G12623W921 | 24,077 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G13020W7504 | 7,370 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G13220W7504 | -5,158 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G13520W7507 | 6,321 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G15023W9981 | 31,816 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G15121W7902 | 7,390 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G16920W7507 | 603 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G20322W7905 | 23,465 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G23422W8615 | 16,301 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G23620W7504 | 51,583 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G23920W7506 | -273 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G25421W7904 | 15,824 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G26022W8618 | 6,447 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G29323W9981 | 6,543 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G29423W9988 | 2,059 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G36521W8617 | 44,392 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G36722W9209 | 21,067 |
| 10.215 | 3650 | MONTANA STATE UNIVERSITY | G36921W8612 | 63,935 |
| 10.215 | 3650 | UNIVERSITY OF VERMONT | ONE19350B33243 | 3,015 |

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|-------------------------------|-------------------------|-------------------------------------|--------------------------------------|---------------------------|
| 10.215 | 3650 | UTAH STATE UNIVERSITY | 201207548 | -438 |
| 10.215 | 3650 | UTAH STATE UNIVERSITY | 201207564 | -10,449 |
| 10.217 | 3650 | UNIVERSITY OF MAINE | UMS1210 | 10,035 |
| 10.229 | 3650 | EXTENSION | EXC120212095 | -598 |
| 10.229 | 3650 | EXTENSION | EXC20212179 | 189,023 |
| 10.229 | 3650 | EXTENSION | EXC320222264 | 9,139 |
| 10.253 | 3650 | TUFTS UNIVERSITY | AG9033 | 16,772 |
| 10.303 | 3650 | OREGON STATE UNIVERSITY | C0550AA | 13,260 |
| 10.304 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | A231605S011 | 22,781 |
| 10.307 | 3650 | ORTH DAKOTA STATE UNIVERSITY | FAR0035170 | 94,204 |
| 10.307 | 3650 | MONTANA STATE UNIVERSITY | G19419W7408 | 10,450 |
| 10.307 | 3650 | ORGANIC FARMING RESEARCH FOUNDATION | WSU004151 | -231 |
| 10.307 | 3650 | UNIVERSITY OF MAINE | UMS1389 | 7,873 |
| 10.307 | 3650 | UTAH STATE UNIVERSITY | 202524666 | 24,979 |
| 10.309 | 3650 | ORTH CAROLINA STATE UNIVERSITY | 2016149806 | -2,298 |
| 10.309 | 3650 | ORTH CAROLINA STATE UNIVERSITY | 2017039813 | 23,232 |
| 10.309 | 3650 | ORTH CAROLINA STATE UNIVERSITY | 2020004208 | 171,104 |
| 10.309 | 3650 | CORNELL UNIVERSITY | 7961110753 | -188 |
| 10.309 | 3650 | CORNELL UNIVERSITY | 9288420623 | 210,935 |
| 10.309 | 3650 | MICHIGAN STATE UNIVERSITY | RC111414F | 232,204 |
| 10.309 | 3650 | MICHIGAN STATE UNIVERSITY | RC111414H | 132,455 |
| 10.309 | 3650 | MICHIGAN STATE UNIVERSITY | RC111480WSU | 115,862 |
| 10.309 | 3650 | MONTANA STATE UNIVERSITY | G18219W7553 | 169,923 |
| 10.309 | 3650 | OREGON STATE UNIVERSITY | C0565BE | 40,691 |
| 10.309 | 3650 | OREGON STATE UNIVERSITY | C0598BB | 424,233 |
| 10.309 | 3650 | PENNSYLVANIA STATE UNIVERSITY | S000224NIFA | 85,605 |
| 10.309 | 3650 | TEXAS A&M UNIVERSITY | M2002895 | 39,714 |
| 10.309 | 3650 | UNIVERSITY OF ARKANSAS | 9144702 | -1,118 |

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|-------------------------------|-------------------------|---------------------------------------|--------------------------------------|---------------------------|
| 10.309 | 3650 | UNIVERSITY OF CALIFORNIA - RIVERSIDE | S001381 | 171,636 |
| 10.309 | 3650 | UNIVERSITY OF CALIFORNIA - RIVERSIDE | S001505 | 6,076 |
| 10.309 | 3650 | UNIVERSITY OF FLORIDA | SUB00003560 | 30,192 |
| 10.309 | 3650 | UNIVERSITY OF FLORIDA | UFDSP00012310 | 52 |
| 10.309 | 3650 | UNIVERSITY OF GEORGIA | SUB00002411 | 136,265 |
| 10.309 | 3650 | UNIVERSITY OF IDAHO | AN4829846771 | 8,217 |
| 10.309 | 3650 | UNIVERSITY OF IDAHO | AN6576846120 | 336 |
| 10.309 | 3650 | UNIVERSITY OF MINNESOTA | A010138705 | 4,647 |
| 10.309 | 3650 | UNIVERSITY OF MINNESOTA | H007082509 | 40,804 |
| 10.310 | 3600 | EMORY UNIVERSITY | A584843AM01 | 485 |
| 10.310 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110480 | 31,958 |
| 10.310 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110486 | 42,228 |
| 10.310 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110480 | 7,057 |
| 10.310 | 3600 | OHIO STATE UNIVERSITY | 60080949SPC1000004542 | 28,026 |
| 10.310 | 3600 | UNIVERSITY OF MINNESOTA | P008176601AM01 | 24,658 |
| 10.310 | 3600 | WESTERN UNIVERSITY OF HEALTH SCIENCES | 20142DRESCHLERNIFAAM02 | 315,164 |
| 10.310 | 3650 | ORTH CAROLINA STATE UNIVERSITY | 2023184701 | 4,053 |
| 10.310 | 3650 | ORTH DAKOTA STATE UNIVERSITY | FAR0033162 | 30,799 |
| 10.310 | 3650 | BAYLOR COLLEGE OF MEDICINE | 102117659 | 1 |
| 10.310 | 3650 | BOISE STATE UNIVERSITY | 8605PO137170 | 1,775 |
| 10.310 | 3650 | CLARK UNIVERSITY | 2M0127531 | 96,953 |
| 10.310 | 3650 | COLORADO STATE UNIVERSITY | G5016903 | 25,351 |
| 10.310 | 3650 | DONALD DANFORTH PLANT SCIENCE CENTER | 24012W | 43,758 |
| 10.310 | 3650 | FLORIDA A&M UNIVERSITY | C4996 | 76,725 |
| 10.310 | 3650 | IOWA STATE UNIVERSITY | 023423A | 21,192 |
| 10.310 | 3650 | MICHIGAN STATE UNIVERSITY | RC104967WSU | -566 |
| 10.310 | 3650 | MICHIGAN STATE UNIVERSITY | RC111302G | 199,342 |
| 10.310 | 3650 | OREGON STATE UNIVERSITY | C0564AA | 61,037 |

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|-------------------------------|-------------------------|--------------------------------------|--------------------------------------|---------------------------|
| 10.310 | 3650 | OREGON STATE UNIVERSITY | C0597BD | 291,346 |
| 10.310 | 3650 | PENNSYLVANIA STATE UNIVERSITY | S002184USDA | 10,565 |
| 10.310 | 3650 | SOUTH DAKOTA STATE UNIVERSITY | 3TC156 | 17,271 |
| 10.310 | 3650 | TEXAS A&M UNIVERSITY | M1903768 | -30,454 |
| 10.310 | 3650 | TEXAS TECH UNIVERSITY | 21A550 | 25,518 |
| 10.310 | 3650 | TEXAS TECH UNIVERSITY | 21A59702 | 49,913 |
| 10.310 | 3650 | TEXAS TECH UNIVERSITY | 21A60401 | 370 |
| 10.310 | 3650 | UNIVERSITY OF ARKANSAS | AWD10040101 | 231 |
| 10.310 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | 20160356617 | 52 |
| 10.310 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | A211270S001 | 17,173 |
| 10.310 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | A221483S020 | 44,202 |
| 10.310 | 3650 | UNIVERSITY OF IDAHO | AG5936848689 | 5,656 |
| 10.310 | 3650 | UNIVERSITY OF IDAHO | BJKQ80SB001 | 3,455 |
| 10.310 | 3650 | UNIVERSITY OF IDAHO | NR6185691597 | 15,819 |
| 10.310 | 3650 | UNIVERSITY OF ILLIOIS | 09486017405 | 11,756 |
| 10.310 | 3650 | UNIVERSITY OF ILLIOIS | 09974217884 | 102,040 |
| 10.310 | 3650 | UNIVERSITY OF TENNESSEE | 9500092668 | 3,265 |
| 10.310 | 3650 | UNIVERSITY OF TENNESSEE | 9500092915 | 43,350 |
| 10.310 | 3650 | UNIVERSITY OF VERMONT | AWD00000384SUB00000190 | 36,478 |
| 10.310 | 3650 | UNIVERSITY OF WISCONSIN MADISON | 0000000930 | 2,784 |
| 10.310 | 3650 | UNIVERSITY OF WISCONSIN MADISON | 0000002631 | 12,678 |
| 10.310 | 3800 | University of Kentucky | 3200003877-21-271 / | 33,766 |
| 10.311 | 3650 | GROW FOOD DBA VIVA FARMS | 20217003335709 | 11,726 |
| 10.311 | 3650 | SAN JUAN ISLANDS AGRICULTURAL GUILD | 20214940035639001 | 11,500 |
| 10.320 | 3650 | OREGON STATE UNIVERSITY | U1408CC | 142,592 |
| 10.320 | 3650 | OREGON STATE UNIVERSITY | U1522CD | 87,012 |
| 10.320 | 3650 | OREGON STATE UNIVERSITY | U1522CF | 36,692 |
| 10.328 | 3650 | CALIFORNIA CERTIFIED ORGANIC FARMERS | 138735001 | 33,958 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 10.328 | 3650 | OREGON STATE UNIVERSITY | C0537AB | 1,843 |
| 10.328 | 3650 | OREGON STATE UNIVERSITY | C0595BB | 10,404 |
| 10.329 | 3650 | UNIVERSITY OF IDAHO | AN944846752 | 9,760 |
| 10.331 | 3600 | KEYA FOUNDATION INC | GUSNIPUW1050 | 2,371 |
| 10.500 | 3650 | KANSAS STATE UNIVERSITY | A000983S082 | 24,737 |
| 10.500 | 3650 | PURDUE UNIVERSITY | F9000067402041 | 21,085 |
| 10.500 | 3650 | PURDUE UNIVERSITY | F9001573902009 | -239 |
| 10.500 | 3650 | PURDUE UNIVERSITY | F9001573902016 | 104,344 |
| 10.500 | 3650 | PURDUE UNIVERSITY | F9001573902025 | 29,324 |
| 10.500 | 3650 | UNIVERSITY OF IDAHO | 20214152035353 | 159,107 |
| 10.604 | 3650 | ALASKA DEPARTMENT OF NATURAL RESOURCES | TASC201809 | 56,810 |
| 10.604 | 3650 | CHAPMAN UNIVERSITY | 500625SUB01 | 45,740 |
| 10.604 | 3650 | WASHINGTON APPLE COMMISSION | WAC212227 | 164,586 |
| 10.674 | 3600 | COLORADO SCHOOL OF MINES | 4023285801 | 15,238 |
| 10.674 | 3600 | NATURE CONSERVANCY | WAS210106010WOODINNOVA | 32,301 |
| 10.674 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | A230778S001 | 485 |
| 10.675 | 3600 | UNIVERSITY OF MARYLAND COLLEGE PARK | 95176Z5220201 | 917 |
| 10.680 | 3650 | WESTERN CAROLINA UNIVERSITY | 18CA11062765726 | -6 |
| 10.684 | 3650 | MONARCH JOINT VENTURE | 141988001 | 15,762 |
| 10.699 | 3600 | UNIVERSITY OF WYOMING | 1005290UW | 12,132 |
| 10.707 | 3650 | UNIVERSITY OF IDAHO | (BLANK) | 10,577 |
| 10.912 | 3650 | GROW FOOD DBA VIVA FARMS | 139055002 | 16,473 |
| 10.912 | 3650 | WHATCOM CONSERVATION DISTRICT | 137312001 | 66,472 |
| 11.011 | 3600 | OPTO-KNOWLEDGE SYSTEMS INC | 18120501MOD01 | 8,387 |
| 11.011 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | 24185600AM02 | 27,908 |
| 11.012 | 3600 | ALASKA OCEAN OBSERVING SYSTEM | H3152AM01 | 103,382 |
| 11.307 | 3760 | WA Festivals & Event Association | WFEA 2020/2021 | 15,180 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 11.307 | 3760 | Willamette Partnership | 07-79-07418 | 9 |
| 11.407 | 4770 | Pacific States Marine Fisheries Commission | 22-045G | 48,862 |
| 11.407 | 4770 | Pacific States Marine Fisheries Commission | 23-022G | 136,502 |
| 11.417 | 3600 | UNIVERSITY OF CALIFORNIA DAVIS | A211572S002AM03 | 49,326 |
| 11.417 | 3600 | UNIVERSITY OF CALIFORNIA SAN DIEGO | 705227AM01 | 8,254 |
| 11.417 | 3600 | UNIVERSITY OF CONNECTICUT | 364379AM04 | 9,060 |
| 11.417 | 3600 | UNIVERSITY OF CONNECTICUT | 426131AM03 | 11,386 |
| 11.419 | 3600 | INSTITUTE FOR APPLIED ECOLOGY | SUBK00014242AM01 | 6,647 |
| 11.419 | 3800 | Institute for Applied Ecology | SUBK00014242 | 29,915 |
| 11.419 | 4610 | NERRA | NMS-010 | 7,267 |
| 11.427 | 3600 | SWINOMISH INDIAN TRIBAL COMMUNITY | 959902300 | 25,517 |
| 11.427 | 3600 | UNIVERSITY OF ALASKA FAIRBANKS | UA210120AM01 | 16,941 |
| 11.431 | 3600 | OREGON STATE UNIVERSITY | NA345AAAM01 | 1,331 |
| 11.432 | 3600 | UNIVERSITY OF CALIFORNIA SAN DIEGO | KR705469 | 1,146,815 |
| 11.437 | 3600 | PACIFIC ST MARINE FISHERIES COMMISSION | 22055GAM01 | 88,984 |
| 11.437 | 3600 | PACIFIC ST MARINE FISHERIES COMMISSION | 23016GJOB115B23 | 47,556 |
| 11.437 | 4770 | Pacific States Marine Fisheries Commission | 19-50G | 43,971 |
| 11.437 | 4770 | Pacific States Marine Fisheries Commission | 21-28G | 59,688 |
| 11.437 | 4770 | Pacific States Marine Fisheries Commission | 22-027G | 4,087 |
| 11.437 | 4770 | Pacific States Marine Fisheries Commission | 22-143G | 59,111 |
| 11.437 | 4770 | Pacific States Marine Fisheries Commission | 23-038G | 685,553 |
| 11.438 | 4770 | Columbia Land Trust | 20-1545 RCO | 2,942 |
| 11.438 | 4770 | Whatcom Conservation District | RCPP 2101-01 | 6,475 |
| 11.439 | 4770 | Pacific States Marine Fisheries Commission | 21-035G | 137,850 |
| 11.441 | 4770 | North Pacific Fishery Management Council | LIA 2023-3 | 54,691 |
| 11.441 | 4770 | Pacific Fishery Management Council | 2021-WDFW | 229,822 |
| 11.441 | 4770 | Pacific States Marine Fisheries Commission | 22-012G | 43,275 |
| 11.463 | 3650 | SYOPTIC DATA PBC | S20170118 | 474,481 |

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| 11.472 | 3050 | Pacific States Marine Fisheries Commission | NA18NMF7420007 | 52,491 |
| 11.472 | 3600 | ALASKA DEPARTMENT OF FISH AND GAME | COOP18082AM06 | 208,869 |
| 11.472 | 3600 | NORTH PACIFIC RESEARCH BOARD | 180801AM03 | -2,387 |
| 11.472 | 3600 | NORTH PACIFIC RESEARCH BOARD | 1914B | 11,134 |
| 11.472 | 3600 | NORTH PACIFIC RESEARCH BOARD | 2003B | 133,586 |
| 11.472 | 3600 | NORTH PACIFIC RESEARCH BOARD | 2006AAM02 | 84,997 |
| 11.472 | 3600 | NORTH PACIFIC RESEARCH BOARD | 2006B | 106,237 |
| 11.472 | 3600 | NORTH PACIFIC RESEARCH BOARD | 2008 | 40,665 |
| 11.472 | 3600 | NORTH PACIFIC RESEARCH BOARD | 2202 | 48,866 |
| 11.472 | 3600 | NORTH PACIFIC RESEARCH BOARD | IERP61F960101 | 20,450 |
| 11.472 | 3600 | NORTH PACIFIC RESEARCH BOARD | IERP62F216203AM01 | 4,019 |
| 11.472 | 3600 | NORTH PACIFIC RESEARCH BOARD | L3601BAM01 | 9,990 |
| 11.472 | 3600 | PACIFIC ST MARINE FISHERIES COMMISION | 2004G1AM03 | 6,377 |
| 11.472 | 3600 | PACIFIC ST MARINE FISHERIES COMMISION | 21146GAM01 | 48,275 |
| 11.472 | 3600 | PRINCE WILLIAM SOUND SCIENCE CENTER | 177508AM06 | 42,887 |
| 11.472 | 3600 | PRINCE WILLIAM SOUND SCIENCE CENTER | 228108 | 68,686 |
| 11.472 | 3800 | North Pacific Research Board | 2108 / F9108-00 | 96,006 |
| 11.472 | 3800 | North Pacific Research Board | L37-02D | 92,282 |
| 11.472 | 4770 | National Fish & Wildlife Foundation | 0303.22.073537 | 58,490 |
| 11.472 | 4770 | Oregon State University | J2391A-C | 2,596 |
| 11.477 | 3600 | PACIFIC STATES MARINE FISHERIES COMM | 23077G | 32,055 |
| 11.477 | 3600 | PACIFIC STATES MARINE FISHERIES COMM | 23084G | 3,762 |
| 11.477 | 3600 | PACIFIC STATES MARINE FISHERIES COMM | 23087G | 5,587 |
| 11.478 | 3600 | OREGON STATE UNIVERSITY | NA355AAAM04 | 81,240 |
| 11.478 | 3600 | SITKA TRIBE OF ALASKA | UW664469 | 421 |
| 11.611 | 6990 | NIIMBL | PC22 | 1,375 |
| 11.RD | 3600 | BERING SEA FISHERMEN'S ASSOCIATION | AC2104A | 101,317 |
| 12.017 | 4770 | National Fish and Wildlife Foundation | 0126.22.074063 | 419,307 |

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| 12.300 | 3600 | CARNEGIE MELLON UNIVERSITY | 1140209405780AM07 | 89,273 |
| 12.300 | 3600 | CARNEGIE MELLON UNIVERSITY | 1140217441214AM04 | 235,517 |
| 12.300 | 3600 | COLORADO STATE UNIVERSITY | G5732103 | 31,379 |
| 12.300 | 3600 | CORNELL UNIVERSITY ITHACA | 7855910699AM08 | 64,014 |
| 12.300 | 3600 | CORNELL UNIVERSITY ITHACA | 7855910699N00014161261 | 49,395 |
| 12.300 | 3600 | DARTMOUTH COLLEGE | R1687AM01 | 11,124 |
| 12.300 | 3600 | FLORIDA INST HUMAN & MACHINE COGNITION | 202201601UW | 468,616 |
| 12.300 | 3600 | GEORGE MASON UNIVERSITY | E2045223AM06 | 390,372 |
| 12.300 | 3600 | MICRONESIAN ENVIRONMENTAL SERVICES | MES202001AM03 | 137,392 |
| 12.300 | 3600 | NEW YORK UNIVERSITY | F116803AM06 | 163,643 |
| 12.300 | 3600 | OREGON STATE UNIVERSITY | N0326AAAM01 | 54,657 |
| 12.300 | 3600 | OREGON STATE UNIVERSITY | N0357AAAM01 | 262,718 |
| 12.300 | 3600 | OREGON STATE UNIVERSITY | N0357AAAM02 | 38,378 |
| 12.300 | 3600 | OREGON STATE UNIVERSITY | N0373AA | 36,178 |
| 12.300 | 3600 | STANFORD UNIVERSITY | 62733327220488AM03 | 13,533 |
| 12.300 | 3600 | UNIVERSITY OF ALASKA FAIRBANKS | UA220028PO554891 | 30,688 |
| 12.300 | 3600 | UNIVERSITY OF ALASKA FAIRBANKS | UA220028PO554891AM01 | 175,231 |
| 12.300 | 3600 | UNIVERSITY OF ALASKA FAIRBANKS | UA230023AM01 | 106,107 |
| 12.300 | 3600 | UNIVERSITY OF ALASKA FAIRBANKS | UA230027P0562613 | 7,520 |
| 12.300 | 3600 | UNIVERSITY OF CALIFORNIA SANTA BARBARA | KK2108AM01 | 22,355 |
| 12.300 | 3600 | UNIVERSITY OF MASSACHUSETTS DARTMOUTH | 111181 | 12,041 |
| 12.300 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5126684 | 93,324 |
| 12.300 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | UW666204 | 112,047 |
| 12.300 | 3600 | UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL | 5126684 | 4,291 |
| 12.300 | 3600 | UNIVERSITY OF PENNSYLVANIA | 572339AM08 | 180,283 |
| 12.300 | 3600 | UNIVERSITY OF ROCHESTER | 417318URFAOGR510770AM0 | 47,687 |

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Note F: Supplemental Information for Pass-Through Funds

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 12.300 | 3600 | UNIVERSITY OF ST. ANDREWS | SMC7XOBO54 | 64,424 |
| 12.300 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | 13294800AM08 | 49,737 |
| 12.300 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | A10145413260300AM05 | 82,600 |
| 12.300 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | A10146213296800AM03 | 52,369 |
| 12.300 | 3650 | HEAT, LIGHT, & SOUND RESEARCH, INC (HLS) | N6833522C0647 | 30,028 |
| 12.351 | 3600 | NORTHWESTERN UNIVERSITY | 60060420UWA03 | 140,776 |
| 12.351 | 3650 | ECOHEALTH ALLIANCE | 07137709652346 | 228,925 |
| 12.351 | 3650 | INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE | BS12NBODTR002DTR002001 | 38,598 |
| 12.351 | 3650 | JOHNS HOPKINS UNIVERSITY | 2004721972 | 177,360 |
| 12.355 | 3650 | BANFIELDDBIO (SPRINGSTAR INC.) | 135993001 | 15,581 |
| 12.420 | 3600 | AMERICAN BURN ASSOCIATION | UW631034 | 5,486 |
| 12.420 | 3600 | COALITION FOR NATIONAL TRAUMA RESEARCH | CNTR20PROP05AM01 | 233,896 |
| 12.420 | 3600 | CORNELL UNIVERSITY ITHACA | 8058311223AM07 | 102,681 |
| 12.420 | 3600 | DENVER RESEARCH INSTITUTE | MSRCFY1601MOD03 | 219,590 |
| 12.420 | 3600 | DUKE UNIVERSITY | 201114 | -5,663 |
| 12.420 | 3600 | FRED HUTCHINSON CANCER CENTER | 0000984530AM03 | 64,926 |
| 12.420 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001039633AM02 | 231,429 |
| 12.420 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001042755AM003 | 2,572 |
| 12.420 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001042759AM04 | 3,478 |
| 12.420 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001128445 | 23,929 |
| 12.420 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001042755AM003 | 3,956 |
| 12.420 | 3600 | GEORGIA INSTITUTE OF TECHNOLOGY | AWD000755G2 | 51,291 |
| 12.420 | 3600 | H LEE MOFFITT CANCER CENTER & RSCH INST | 12187179901G1AM07 | 197,655 |
| 12.420 | 3600 | HDT BIO CORPORATION | W81XWH221075501001 | 36,659 |
| 12.420 | 3600 | HENRY M JACKSON FOUNDATION | 5770PO1030289HJF66716 | 212,334 |
| 12.420 | 3600 | HOUSTON METHODIST RESEARCH INSTITUTE | AGMT00005361 | 56,616 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 12.420 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0258A9214605 | 156 |
| 12.420 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0258A9214609 | 202,362 |
| 12.420 | 3600 | JOHNS HOPKINS UNIVERSITY | 2004338156AM04 | 12,340 |
| 12.420 | 3600 | MAYO CLINIC | UWA28151901AM02 | 54,456 |
| 12.420 | 3600 | MICHIGAN STATE UNIVERSITY | RC108014UWAM01 | -124 |
| 12.420 | 3600 | MID-ATLANTIC EPILEPSY AND SLEEP CENTER | UW665710 | 4,545 |
| 12.420 | 3600 | NORTHWESTERN UNIVERSITY | 60054759UWAMA01 | 18,790 |
| 12.420 | 3600 | SANFORD BURNHAM PREBYS | 7045313551UW | 3,562 |
| 12.420 | 3600 | SANFORD BURNHAM PREBYS | 7045313551UWAM01 | 16,272 |
| 12.420 | 3600 | SCRIPPS RESEARCH INSTITUTE | 115002 | 518,399 |
| 12.420 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12287SUBMOD02 | 117,442 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BJ213BJ22SIBCR | 7,051 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BJ213ZS22SIBCR | 8,677 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ112GJ13SIBCR | 11,045 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ112LIUH3SIBCR | 13,445 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ112LIUH4SIBCRM01 | 65,502 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ112MIRANG3SIBCR | 801 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ112MIRANG4SIBCR | 4,136 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ112UW1AM02 | 4,387 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ112UW1AM03 | 27,436 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ124GJ11SIBCR | 5,472 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ124GJ12SIBCR | 9,991 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ124HERODM1SIBCR | 7,973 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ124HERODM2SIBCRM01 | 27,265 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | MD15MD12SIBCR | 9,546 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | MD1HJFMD11SIBCR | 15,451 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | MD1HJFMD21SIBCR | 38,185 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | ME14ME13SIBCR | 8,293 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | ME14ME14SIBCR | 31,515 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE164LG11SIBCR | 734 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE164LG12SIBCR | 8,309 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE164PE11SIBCR | 645 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE164PE12SIBCR | 7,350 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE164PK11SIBCR | 7,419 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE26LIN2SIBCR | 14,513 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE26LIN3SIBCR | 26,456 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE26PE22SIBCR | 15,921 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE26PE23SIBCR | 51,286 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE26REINR2SIBCR | 13,337 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE26REINR3SIBCR | 12,410 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE26SHOFEJ2SIBCRM01 | 3,390 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PK112HJ41SIBCR | 18,479 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PK112PK11SIBCR | 44,543 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PK112RH11SIBCR | 86,493 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PK112SHOFEJ1SIBCR | 4,758 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PK112SHULEO1SIBCR | 45,619 |
| 12.420 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | RM164RM11SIBCR | 26,339 |
| 12.420 | 3600 | SRI INTERNATIONAL INC | PO66220AM02 | 283,599 |
| 12.420 | 3600 | THOMAS JEFFERSON UNIVERSITY | 08027000X17501AM01 | 4,885 |
| 12.420 | 3600 | UNIVERSITY OF BRITISH COLUMBIA | 27R49457AM02 | -216 |
| 12.420 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1719GWB554AM03 | 4,632 |
| 12.420 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 10566SCAM05 | 5,767 |
| 12.420 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11281SCAM03 | 3,054 |
| 12.420 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11281SCAM04 | 9,876 |
| 12.420 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11948SCAM005 | 91,691 |
| 12.420 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 8455SCAM11 | 51,121 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 12.420 | 3600 | UNIVERSITY OF NEW MEXICO | 3RME5 | 39,087 |
| 12.420 | 3600 | UNIVERSITY OF NOTRE DAME | 203758UWAM03 | -4,537 |
| 12.420 | 3600 | VERSITI BLOOD CENTER OF WISCONSIN | 1001453UWA | 80,695 |
| 12.420 | 3600 | VERSITI BLOOD CENTER OF WISCONSIN | 1001453UWAAM01 | 205,843 |
| 12.420 | 3600 | VIRGINIA COMMONWEALTH UNIVERSITY | FP00013312SA002AM02 | 159,548 |
| 12.431 | 3600 | ARIZONA STATE UNIVERSITY | ASUB00000760AM03 | 348,312 |
| 12.431 | 3600 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | S4661PO236230AM03 | 94,048 |
| 12.431 | 3600 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | S4661PO236230AM09 | 97,839 |
| 12.431 | 3600 | SEMI FOUNDATION | FT1921207AM01 | 277,740 |
| 12.431 | 3600 | UNIVERSITY OF CALIFORNIA SANTA BARBARA | KK1810AM10 | 100,914 |
| 12.431 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON00002261AM02 | 209,639 |
| 12.431 | 3600 | UNIVERSITY OF VIRGINIA | GG12239PO2275765AM02 | 73,885 |
| 12.431 | 3650 | KANSAS STATE UNIVERSITY | A210235S001 | 3,138 |
| 12.431 | 3650 | MISSISSIPPI STATE UNIVERSITY | 06080336152701 | 341,728 |
| 12.431 | 3650 | UNIVERSITY OF MICHIGAN | SUBK00016350 | 192,744 |
| 12.432 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | A10158978752516 | 10,917 |
| 12.432 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION (WHOI) | A10158978752516 | 39,706 |
| 12.550 | 3600 | INSTITUTE OF INTERNATIONAL EDUCATION | 0054UW25SSC280PO2MOD02 | 52,997 |
| 12.550 | 3600 | INSTITUTE OF INTERNATIONAL EDUCATION | BOR21UW21CHNPO1 | 227,964 |
| 12.550 | 3600 | INSTITUTE OF INTERNATIONAL EDUCATION | BOR21UW21CHNPO1MOD02 | 3,825 |
| 12.630 | 3600 | GENERAL ELECTRIC COMPANY | PO401183821 | 137,518 |
| 12.630 | 3600 | GKN AEROSPACE NEW ENGLAND, INC. | PO145723 | 71,424 |
| 12.750 | 3600 | GENEVA FOUNDATION | S1056101 | 6,248 |
| 12.750 | 3600 | GENEVA FOUNDATION | S1115001AM03 | 68,268 |
| 12.750 | 3600 | HENRY M JACKSON FOUNDATION | 5414PO1001209AM01 | 172 |
| 12.750 | 3600 | HENRY M JACKSON FOUNDATION | 5768PO1024199HJFAWD667 | 41,895 |
| 12.800 | 3600 | GEORGIA INSTITUTE OF TECHNOLOGY | AWD004055G4 | 83,083 |

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|-------------------------------|-------------------------|--------------------------------------|--------------------------------------|---------------------------|
| 12.800 | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000531881SC001AM01 | 92,670 |
| 12.800 | 3600 | UNIVERSITY OF CALIFORNIA BERKELEY | 00010733AM01 | 152,858 |
| 12.800 | 3600 | UNIVERSITY OF CALIFORNIA BERKELEY | 00010733AM03 | 367,287 |
| 12.800 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 0205GYD166AM02 | 124,700 |
| 12.800 | 3600 | UNIVERSITY OF MARYLAND COLLEGE PARK | 89660Z8261201AMB | 23,168 |
| 12.800 | 3600 | UNIVERSITY OF NEW MEXICO | 707824874JAM12 | 986 |
| 12.800 | 3600 | UNIVERSITY OF NOTRE DAME | 204282UWAM02 | 84,014 |
| 12.800 | 3650 | GRIFFISS INSTITUTE INC | SA10012021MM0336 | 737,851 |
| 12.800 | 3650 | UNIVERSITY OF UTAH | 10059059WSU | 366,891 |
| 12.910 | 3600 | TEXAS A&M UNIVERSITY | 28M1802338AM08 | 91,901 |
| 12.910 | 3600 | UNIVERSITY OF CALIFORNIA BERKELEY | 00010533AM04 | 522,971 |
| 12.910 | 3600 | UNIVERSITY OF TEXAS AUSTIN | UTAUSUB00000953 | 23,340 |
| 12.RD | 3600 | AERODYNAMIC TECHNOLOGIES | AM04 | 15,152 |
| 12.RD | 3600 | AERODYNAMIC TECHNOLOGIES | AM05 | -3,620 |
| 12.RD | 3600 | AERODYNAMIC TECHNOLOGIES | AM06 | 61,624 |
| 12.RD | 3600 | AIVS INC. | A184160 | 39,742 |
| 12.RD | 3600 | APPLIED RESEARCH ASSOCIATES INC | S200335004250UWA | 496,757 |
| 12.RD | 3600 | APPLIED RESEARCH ASSOCIATES INC | SD00040F05IMEA02UW | 165,983 |
| 12.RD | 3600 | APPLIED RESEARCH ASSOCIATES INC | SD001830000305UWPO2201 | 90,566 |
| 12.RD | 3600 | ARCTOS TECHNOLOGY SOLUTIONS LLC | 162643010000010040C1 | 6,000 |
| 12.RD | 3600 | ARCTOS TECHNOLOGY SOLUTIONS LLC | 162643010000010043C1 | 6,363 |
| 12.RD | 3600 | ARCTOS TECHNOLOGY SOLUTIONS LLC | 1626431926C1MOD11 | 60,086 |
| 12.RD | 3600 | ASTROBOTIC | AM01 | 94,136 |
| 12.RD | 3600 | AVALANCHE ENERGY DESIGNS | 000002SOW001A | 33,508 |
| 12.RD | 3600 | AVALANCHE ENERGY DESIGNS | 000002SOW001AAM1 | 36,037 |
| 12.RD | 3600 | CFD RESEARCH CORPORATION | 0000003350PROJECT10172 | 6,597 |
| 12.RD | 3600 | CFD RESEARCH CORPORATION | 10062 | 33,754 |
| 12.RD | 3600 | CFD RESEARCH CORPORATION | PROJECT20008000000214 | 17,000 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 12.RD | 3600 | CFD RESEARCH CORPORATION | PROJECT20008000002146 | 332 |
| 12.RD | 3600 | CHARLES RIVER ANALYTICS INC | SC1712603MOD05 | -121,762 |
| 12.RD | 3600 | CLARKSON AEROSPACE CORP | WASH2110460MOD2 | 214,122 |
| 12.RD | 3600 | COLORADO SCHOOL OF MINES | 4021615801 | 63,381 |
| 12.RD | 3600 | COLORADO SCHOOL OF MINES | 4021615801AM01 | 84,674 |
| 12.RD | 3600 | COMPOSITE RECYCLING TECHNOLOGY CENTER | A177459 | 69,999 |
| 12.RD | 3600 | CONVERGENT MANUFACTURING TECHNOLOGIES US | PO20170059 | 92,489 |
| 12.RD | 3600 | CORNERSTONE RESEARCH GROUP INC | PO20220110MOD01 | 80,373 |
| 12.RD | 3600 | CORNERSTONE RESEARCH GROUP INC | PO20220110MOD02 | 275,689 |
| 12.RD | 3600 | CREARE INC | S729PO108018AM07 | 24,017 |
| 12.RD | 3600 | CREARE INC | SUBCONTRACT89236AM03 | 1,924 |
| 12.RD | 3600 | CREARE INC | SUBCONTRACT89236AM04 | 1,590 |
| 12.RD | 3600 | CREONEX SYSTEMS INC | UW686205 | 30,178 |
| 12.RD | 3600 | DAKOTA RIDGE R&D LLC | UW687893 | 8,456 |
| 12.RD | 3600 | ENGINEERING & SOFTWARE SYSTEM SOLN INC | PO17508C001 | 3,165 |
| 12.RD | 3600 | GALOIS, INC. | 2021010MOD07 | 180,944 |
| 12.RD | 3600 | GENERAL ELECTRIC COMPANY | PO401153010AM02 | 154,004 |
| 12.RD | 3600 | HEAT LIGHT & SOUND RESEARCH INC | NC6833517C0553 | 4,997 |
| 12.RD | 3600 | HEAT LIGHT & SOUND RESEARCH INC | UW669711 | 8,063 |
| 12.RD | 3600 | INBIOS INTERNATIONAL | SCOV2AGOTC2AM05 | 795,856 |
| 12.RD | 3600 | J DAVID GLADSTONE INSTITUTES | SC00031AM02 | 163,699 |
| 12.RD | 3600 | JACOBS TECHNOLOGY | PORAPT10000002548AM01 | 39,998 |
| 12.RD | 3600 | JACOBS TECHNOLOGY | RAPTR10000000061MOD06 | 72,337 |
| 12.RD | 3600 | JOHNS HOPKINS UNIVERSITY APL LLC | 177830MOD02 | 33,608 |
| 12.RD | 3600 | LANGUAGE COMPUTER CORPORATION | SOCIALITESC01MOD03 | 280,536 |
| 12.RD | 3600 | LEIDOS | P010262074MOD05 | 486,043 |
| 12.RD | 3600 | LYNNTECH INC | PROJECTARM279 | 10,649 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 12.RD | 3600 | MARTIN DEFENSE GROUP LLC | SCN09841MOD08 | 35,569 |
| 12.RD | 3600 | MARTIN DEFENSE GROUP LLC | SCN09848MOD02 | 4,256,014 |
| 12.RD | 3600 | MARTIN DEFENSE GROUP LLC | SCN09848MOD03 | 5,777,215 |
| 12.RD | 3600 | MATERIALS SCIENCES LLC | PO15945SD50MOD01 | 81,500 |
| 12.RD | 3600 | METRON | 6H84UWMOD02 | 20,000 |
| 12.RD | 3600 | NANOTOK LLC | A159116 | 121,908 |
| 12.RD | 3600 | PALO ALTO VETERANS INSTITUTE FOR RESEARC | ROS002904AM06POROS0751 | -1 |
| 12.RD | 3600 | RAYTHEON BBN | 90185MOD01 | 45,790 |
| 12.RD | 3600 | RAYTHEON BBN | 90280PO4202746832 | 134,963 |
| 12.RD | 3600 | RAYTHEON BBN | PO4202338794MOD12 | 101,908 |
| 12.RD | 3600 | RE2 ROBOTICS INC | 194000022008STARUWM05 | 42,599 |
| 12.RD | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE26UW1AM02 | 520,123 |
| 12.RD | 3600 | SRI INTERNATIONAL INC | PO44989MOD11 | 6,140 |
| 12.RD | 3600 | SRI INTERNATIONAL INC | PO47109MOD07 | 268,297 |
| 12.RD | 3600 | SRI INTERNATIONAL INC | PO57718MOD04 | 237,693 |
| 12.RD | 3600 | SYSTEM & TECHNOLOGY RESEARCH LLC | 20200043MOD05 | 150,080 |
| 12.RD | 3600 | SYSTEM & TECHNOLOGY RESEARCH LLC | 20200043MOD06 | 127,487 |
| 12.RD | 3600 | SYSTEM & TECHNOLOGY RESEARCH LLC | 20210023MOD05 | 303,617 |
| 12.RD | 3600 | SYSTEM & TECHNOLOGY RESEARCH LLC | 20230007 | 34,459 |
| 12.RD | 3600 | TUNOPTIX INC | A161935 | 201,819 |
| 12.RD | 3600 | TURION SPACE CORPORATION | AM01 | 74,941 |
| 12.RD | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11154SCW81XWH1590001AM | 146,034 |
| 12.RD | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | CS20180009AM01 | 210,685 |
| 12.RD | 3600 | UNIVERSITY OF COLORADO | FY22891024FY23891028AM | 16,624 |
| 12.RD | 3600 | UNIVERSITY OF HAWAII | MA1677AM01 | 115,489 |
| 12.RD | 3600 | UNIVERSITY OF MARYLAND COLLEGE PARK | 69333Z8133201AMF | 30,063 |
| 12.RD | 3600 | UNIVERSITY OF PITTSBURGH | AWD000298811PRIMEW81XW | 123,274 |

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| 12.RD | 3600 | UNIVERSITY OF ST. ANDREWS | 18323 | 31,468 |
| 12.RD | 3650 | CFD RESEARCH CORPORATION | 20010 | 70,304 |
| 12.RD | 3650 | COMPOSITE RECYCLING TECHNOLOGY CENTER | 143751001 | 31,566 |
| 12.RD | 3650 | EXMAT RESEARCH, INC. | EXMATWSU122C001 | 238,550 |
| 12.RD | 3650 | EXMAT RESEARCH, INC. | EXMATWSU20P0004 | -244 |
| 12.RD | 3650 | MISSISSIPPI STATE UNIVERSITY | 19400036138901 | 109,537 |
| 12.RD | 3650 | MISSISSIPPI STATE UNIVERSITY | 19400036139301 | 317,619 |
| 12.RD | 3650 | PACIFIC STATES MARINE FISHERIES | 21177P | -83 |
| 12.RD | 3650 | PACIFIC STATES MARINE FISHERIES | 22160P | 109,602 |
| 12.RD | 3650 | PACIFIC STATES MARINE FISHERIES | 23141P | 17,682 |
| 12.RD | 3650 | STRUCTURED MATERIALS INDUSTRIES, INC | 42177 | -5,631 |
| 12.RD | 3650 | TUFTS UNIVERSITY | ARM212WSU | -4,856 |
| 12.RD | 4770 | Ecostudies Institute | ESI_2022-11 | 30,150 |
| 12.RD | 4770 | Pacific States Marine Fisheries Commission | 22-161P | -39,325 |
| 12.U01 | 3600 | JOHNS HOPKINS UNIVERSITY | 163111MOD02 | 13,201 |
| 12.U02 | 3600 | JOHNS HOPKINS UNIVERSITY | 163111MOD03 | 48,306 |
| 14.228 | 3650 | MASON COUNTY | 20036 | 260 |
| 14.228 | 5400 | Spokane WDC | K7232-7661 | 17,973 |
| 14.U01 | 1480 | Pierce County Community Development Corporation | HAPC2023 | 40,000 |
| 15.034 | 3650 | COLUMBIA RIVER INTER-TRIBAL FISH COMMISSION (CRITFC) | C2104 | 19,448 |
| 15.036 | 4770 | Columbia River Inter-Tribal Fish Commission | V23-08 | 5,747 |
| 15.156 | 3800 | Swinomish Indian Tribal Community | 933-90-23-00 / F22AP | 69,392 |
| 15.156 | 3800 | Swinomish Indian Tribal Community | 943-90-23-00 / A21AP | 59,353 |
| 15.608 | 4770 | The Xerces Society Inc | F19AC00507 | 1,449 |
| 15.615 | 3600 | MARIANA ISLANDS DEPT OF LANDS & NAT RES | 4384010C | 702 |
| 15.615 | 3600 | MARIANA ISLANDS DEPT OF LANDS & NAT RES | 4384010C | 287,102 |
| 15.623 | 4770 | Ducks Unlimited | WA-331-6 | 15,046 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 15.634 | 3650 | ARIZONA GAME & FISH DEPARTMENT | 9554 | 86 |
| 15.634 | 4770 | Oregon Department of Fish & Wildlife | 431-22 | 20,176 |
| 15.657 | 3650 | WOODLAND PARK ZOO | 141294001 | 103,289 |
| 15.661 | 3650 | UTAH STATE UNIVERSITY | 204809843 | 18,601 |
| 15.808 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON00003733 | 35,229 |
| 15.RD | 3600 | NORTHWEST INDIAN FISHERIES COMMISSION | UW800619 | 14,011 |
| 15.RD | 3600 | S. L. ROSS ENVIRONMENTAL RESEARCH LTD. | A180234MOD01 | 112,754 |
| 15.RD | 3600 | S. L. ROSS ENVIRONMENTAL RESEARCH LTD. | UW668574 | 35,306 |
| 15.RD | 3600 | SQUAXIN ISLAND TRIBE | UW635685 | 20,628 |
| 15.RD | 3600 | TULALIP TRIBES | AM05 | -70 |
| 15.U01 | 3650 | COLVILLE CONFEDERATED TRIBES | 128572012 | -417 |
| 16.560 | 3650 | TARLETON STATE UNIVERSITY | 43685200002 | 2,902 |
| 16.726 | 3650 | NATIONAL 4-H COUNCIL | 141951001 | 37,920 |
| 16.726 | 3650 | NATIONAL 4-H COUNCIL | 2020JUFX0031 | 14,631 |
| 17.268 | 3030 | FFY21 CA RURAL INDIAN HEALTH BOARD | gvs261315 | 0 |
| 17.268 | 3650 | SOUTHERN UTAH UNIVERSITY | F1700012910441004 | 2,442 |
| 17.268 | 6990 | Southern Utah University | HG-34414-2 | 48,080 |
| 17.278 | 3650 | SOUTHWEST WASHINGTON WORKFORCE DEVELOPMENT COUNCIL | WSW2022 | 112,507 |
| 17.285 | 6990 | American Assn of Comm Colleges | 3302519751 | 132 |
| 19.009 | 3600 | WORLD LEARNING INC | IDEAS21UWASH01 | 5,853 |
| 19.009 | 3650 | FHI 360 | PO21001873 | 103,493 |
| 19.009 | 6990 | Univ of Kansas, Ctr for Research | SECAGD18CA | 250,426 |
| 19.009 | 6990 | World Learning Inc | SECAGD20CA | 5,186 |
| 19.010 | 3600 | INSTITUTE OF INTERNATIONAL EDUCATION | 3000271746 | 114,638 |
| 19.900 | 3650 | AMERICAN COUNCILS FOR INTERNATIONAL EDUCATION | 142189 | 11,194 |
| 19.U01 | 3600 | WORLD LEARNING INC | SECAGD19CA0015 | 342 |
| 19.U02 | 3700 | FHI 360 | P023001005 | 34,726 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 20.200 | 3600 | NATIONAL ACADEMIES OF SCIENCES | HR17100POSUB0001800 | 99,364 |
| 20.200 | 3650 | MINNESOTA DEPARTMENT OF TRANSPORTATION | 1033080 | 88 |
| 20.200 | 3650 | MINNESOTA DEPARTMENT OF TRANSPORTATION | 1047787 | 15,290 |
| 20.200 | 3650 | MINNESOTA DEPARTMENT OF TRANSPORTATION | 1047792 | 30,486 |
| 20.205 | 3600 | CITY OF SEATTLE | UW666487 | 28,151 |
| 20.205 | 3600 | TEXAS STATE UNIVERSITY SAN MARCOS | 22018837941 | 21,197 |
| 20.205 | 3600 | TEXAS STATE UNIVERSITY SAN MARCOS | 22028839821 | 8,810 |
| 20.614 | 2250 | National Sheriff's Association | K17663 | 18,571 |
| 20.701 | 3600 | ARIZONA STATE UNIVERSITY | 17175AM06PTE69A3551747 | 433,888 |
| 20.701 | 3600 | FLORIDA INTERNATIONAL UNIVERSITY | 000582AM06 | 89,547 |
| 20.701 | 3600 | NEW YORK UNIVERSITY | F874103 | 48,486 |
| 20.701 | 3600 | NEW YORK UNIVERSITY | F874103AM01 | 28,480 |
| 20.701 | 3600 | NEW YORK UNIVERSITY | F874103AM06 | 98,033 |
| 20.701 | 3600 | UNIVERSITY OF ALASKA FAIRBANKS | UAF18005469A3551747129 | 148,050 |
| 20.701 | 3650 | UNIVERSITY OF ORTH CAROLINA CHARLOTTE | 2016068804WSU | 90,692 |
| 20.701 | 3700 | Montana State University | G227-17-W6460 AMEND 7 | 135,376 |
| 20.935 | 3600 | CONFEDERATED TRIBES AND BANDS OF YAKAMA | UW684356 | -39 |
| 20.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 743493POUS001000074349 | 67,537 |
| 20.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | POUS0010000778774 | 65,693 |
| 20.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | US0010000778774MOD06 | 42,664 |
| 20.RD | 3600 | CAMBRIDGE SYSTEMATICS INC | 160140TASKORDER029MOD0 | 149 |
| 20.U02 | 3650 | MITRE CORPORATION | 140742 | 24,388 |
| 20.U03 | 3650 | UNIVERSITY OF DAYTON | 140742001 | 131,298 |
| 21.027 | 3600 | KING COUNTY | KC000635139216 | 71,030 |
| 21.027 | 3600 | SKAGIT COUNTY | C20220532 | 66,254 |
| 21.027 | 3800 | Kitsap County | KC-463-22 | 111,375 |

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|-------------------------------|-------------------------|---------------------------------------|--------------------------------------|---------------------------|
| 21.027 | 3800 | Opportunity Council | 19711022 | 59,013 |
| 21.U01 | 3600 | CITY OF SEATTLE | DOE21PA82AM01 | 182,269 |
| 43.001 | 3600 | AMHERST COLLEGE | GRT00206W2AM01 | 33,427 |
| 43.001 | 3600 | BIGELOW LABORATORY FOR OCEAN SCIENCES | 400295A | 20,794 |
| 43.001 | 3600 | BROWN UNIVERSITY | 00001738AM03 | 28,663 |
| 43.001 | 3600 | CARNEGIE MELLON UNIVERSITY | 1110244437124AM03 | 73,976 |
| 43.001 | 3600 | COLUMBIA UNIVERSITY | 3GG015418AM04 | 101,463 |
| 43.001 | 3600 | FARALLON INSTITUTE | 2020241UWAM05 | 165,437 |
| 43.001 | 3600 | GEORGE WASHINGTON UNIVERSITY | 21M14AM02 | 21,921 |
| 43.001 | 3600 | GEORGIA INSTITUTE OF TECHNOLOGY | AWD103070G2PO5067106AM | -226 |
| 43.001 | 3600 | JET PROPULSION LABORATORY | 1657584MOD01 | 30,980 |
| 43.001 | 3600 | JET PROPULSION LABORATORY | 1668318 | 23,032 |
| 43.001 | 3600 | JET PROPULSION LABORATORY | 1670442 | 607 |
| 43.001 | 3600 | JET PROPULSION LABORATORY | 1675036MOD01 | 3 |
| 43.001 | 3600 | JET PROPULSION LABORATORY | 1675068 | -302 |
| 43.001 | 3600 | JET PROPULSION LABORATORY | 1685887 | 22,124 |
| 43.001 | 3600 | JET PROPULSION LABORATORY | 1695761 | 31,316 |
| 43.001 | 3600 | MONTANA STATE UNIVERSITY | G23819W7767AM03 | 159,122 |
| 43.001 | 3600 | MONTANA STATE UNIVERSITY | G23819W7767AM04 | 33,540 |
| 43.001 | 3600 | NORTHERN ARIZONA UNIVERSITY | 100436602AM03 | 17,713 |
| 43.001 | 3600 | OREGON STATE UNIVERSITY | NS343ABAM02 | 10,732 |
| 43.001 | 3600 | RUTGERS THE STATE UNIV OF NEW JERSEY | 1948PO25014770AM01 | 41,879 |
| 43.001 | 3600 | SETI INSTITUTE | SC3365MOD005 | 64,901 |
| 43.001 | 3600 | SETI INSTITUTE | SC3365MOD08 | 19,018 |
| 43.001 | 3600 | SMITHSONIAN ASTROPHYSICAL OBSERVATORY | GO122080XAM02 | 24,765 |
| 43.001 | 3600 | SMITHSONIAN ASTROPHYSICAL OBSERVATORY | GO223096X | 2,564 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTAR15800002AAM05 | 866 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTAR16120005A | 2,020 |

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|-------------------------------|-------------------------|-----------------------------------|--------------------------------------|---------------------------|
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTAR16122002AAM02 | 35,759 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTAR16144009A | 314 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTAR16611003A | 42,904 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTAR16635002AAM02 | 100,248 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTAR16640003AAM01 | 31,716 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTAR17040003A | 10,143 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO1205501AAM13 | 109,141 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO14610001AAM03 | 116,508 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO15216004AAM004 | 3,537 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO15302004AAM005 | 19,774 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO15703001AAM01 | 338 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO15875004AAM02 | 38,997 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO15877005AAM06 | 95,711 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO15891005AAM04 | 16,186 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO15912006AAM02 | 14,415 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO15932005AAM03 | 16,186 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16046001AAM01 | 4,236 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16162007AAM01 | 16,186 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16165006A | 8,280 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16185013A | 3,959 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16191016A | 6,011 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16222003A | 8,845 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16292007A | 3,077 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16293004AAM01 | 15,304 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16301005A | 7,169 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16513009A | 8,629 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16650001AAM01 | 89,119 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16679001A | 38,678 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16730010A | 4,727 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16778001A | 144,367 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO17203006A | 2,552 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTHF251471001AAM02 | 122,238 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | JWSTERS01334007A | 8,067 |
| 43.001 | 3600 | SPACE TELESCOPE SCIENCE INSTITUTE | JWSTGO02128005A | 6,154 |
| 43.001 | 3600 | UNIVERSITIES SPACE RESEARCH ASSOCIATION | SOF070149MOD04 | 2,032 |
| 43.001 | 3600 | UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH | SUBAWD002083MOD03 | 15,419 |
| 43.001 | 3600 | UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH | SUBAWD002895M01 | 61,235 |
| 43.001 | 3600 | UNIVERSITY OF ALASKA FAIRBANKS | UAF200140AM03 | 25,473 |
| 43.001 | 3600 | UNIVERSITY OF ARIZONA | 555432AM03 | 54,162 |
| 43.001 | 3600 | UNIVERSITY OF CALIFORNIA RIVERSIDE | S001254AM01 | 36,107 |
| 43.001 | 3600 | UNIVERSITY OF CHICAGO | AWD102489SUB00000614AM | 32,056 |
| 43.001 | 3600 | UNIVERSITY OF COLORADO | 1559326AM04 | 33,244 |
| 43.001 | 3600 | UNIVERSITY OF COLORADO | 1562400AM01 | 12,596 |
| 43.001 | 3600 | UNIVERSITY OF HAWAII | MA1314AM07 | 16,416 |
| 43.001 | 3600 | UNIVERSITY OF HOUSTON | R200020AM02 | 95,863 |
| 43.001 | 3600 | UNIVERSITY OF HOUSTON | R230064 | 4,340 |
| 43.001 | 3600 | UNIVERSITY OF MARYLAND BALTIMORE COUNTY | NASA000402AM05 | 76,094 |
| 43.001 | 3600 | UNIVERSITY OF MISSOURI COLUMBIA | C000774066AM01 | 5,242 |
| 43.001 | 3600 | UNIVERSITY OF NEW YORK - ALBANY | 391477AM02 | 6,523 |
| 43.001 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5111900AM04 | 1,904 |
| 43.001 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5121651AM01 | 63,963 |
| 43.001 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5127073 | 10,112 |
| 43.001 | 3600 | UNIVERSITY OF OKLAHOMA | 201950AM05 | 15,047 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 43.001 | 3600 | UNIVERSITY OF OREGON | 239700AAM05 | 84,545 |
| 43.001 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000001801AM02 | 183,639 |
| 43.001 | 3600 | VANDERBILT UNIVERSITY | 62488AM03 | 56,616 |
| 43.001 | 3650 | CALIFORNIA INSTITUTE OF TECHNOLOGY JET PROPULSION LABORATORY | 1654824 | -469 |
| 43.001 | 3650 | CALIFORNIA INSTITUTE OF TECHNOLOGY JET PROPULSION LABORATORY | 1667355 | 11,348 |
| 43.001 | 3650 | CALIFORNIA INSTITUTE OF TECHNOLOGY JET PROPULSION LABORATORY | 1683016 | 141,237 |
| 43.001 | 3650 | SPACE TELESCOPE SCIENCE INSTITUTE | HSTGO16188001A | 17,266 |
| 43.001 | 3650 | UNIVERSITY OF NEW HAMPSHIRE | PZL0226 | 64,405 |
| 43.001 | 3750 | University of Oregon | 239700B | 65,266 |
| 43.001 | 3800 | Arizona State University | 15-710 | 350,638 |
| 43.001 | 3800 | Jet Propulsion Laboratory | 1546127 | 55,039 |
| 43.001 | 3800 | Jet Propulsion Laboratory | 1652930 | 71,864 |
| 43.003 | 3600 | BAYLOR COLLEGE OF MEDICINE | 7000001754 | 9,999 |
| 43.003 | 3600 | BAYLOR COLLEGE OF MEDICINE | 7000001853 | 203,943 |
| 43.003 | 3600 | BAYLOR COLLEGE OF MEDICINE | EXP0010PO7000001663AM0 | 76,843 |
| 43.007 | 3650 | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION | 320000109817193 | 54,935 |
| 43.012 | 3600 | CARNEGIE MELLON UNIVERSITY | 1110257461316 | 4,232 |
| 43.RD | 3600 | CFD RESEARCH CORPORATION | 10160 | 34,669 |
| 43.RD | 3600 | CONVERGENT MANUFACTURING TECHNOLOGIES US | PO20170057 | 32,425 |
| 43.RD | 3600 | JET PROPULSION LABORATORY | 1303809MOD36 | 56,758 |
| 43.RD | 3600 | JET PROPULSION LABORATORY | 1318945MOD31 | 135,878 |
| 43.RD | 3600 | JET PROPULSION LABORATORY | 1587724MOD04 | -2,815 |
| 43.RD | 3600 | JET PROPULSION LABORATORY | 1634821MOD03 | -808 |
| 43.RD | 3600 | JET PROPULSION LABORATORY | 1655697MOD12 | 455,644 |
| 43.RD | 3600 | JET PROPULSION LABORATORY | 1665856MOD1 | 43,019 |

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|-------------------------------|-------------------------|---------------------------------------|--------------------------------------|---------------------------|
| 43.RD | 3600 | JET PROPULSION LABORATORY | 1686173 | 64,268 |
| 43.RD | 3600 | KALSCOTT ENGINEERING INC | UW663240 | 136,916 |
| 43.RD | 3600 | KALSCOTT ENGINEERING INC | UW665850 | 31,672 |
| 43.RD | 3600 | M4 ENGINEERING | UW663895 | 68,060 |
| 43.RD | 3600 | MALIN SPACE SCIENCE SYSTEMS INC | 120233MOD14 | 47,004 |
| 43.RD | 3600 | MALIN SPACE SCIENCE SYSTEMS INC | 230083 | 56,070 |
| 45.024 | 3750 | Arts Midwest | 31095 | 14,267 |
| 45.129 | 3750 | Humanities Washington | ZSO-283165-21 | 5,208 |
| 45.312 | 3600 | CITY OF SEATTLE | A158437 | 11,650 |
| 45.312 | 3600 | CITY OF SEATTLE | POPL00000001155 | 3,189 |
| 45.312 | 3600 | CITY OF TACOMA | UW668549 | 56,416 |
| 45.312 | 3600 | SYRACUSE UNIVERSITY | 3211505985S01 | 39,315 |
| 45.312 | 3750 | Texas A&M University | M2200765 | 2,010 |
| 45.313 | 3600 | AMERICAN LIBRARY ASSOCIATION | RE248876OLSUW | 66,970 |
| 45.313 | 3600 | KENT STATE UNIVERSITY | 414313UWAM01 | 19,669 |
| 47.041 | 3600 | AMERICAN SOCIETY FOR ENGINEERING EDUC | 2019UWALGBTQMOD03 | 7,334 |
| 47.041 | 3600 | AMERICAN SOCIETY FOR ENGINEERING EDUC | 2020IRES764UW | 10,069 |
| 47.041 | 3600 | AMERICAN SOCIETY FOR ENGINEERING EDUC | 7692104 | 98,289 |
| 47.041 | 3600 | AMERICAN SOCIETY FOR ENGINEERING EDUC | 7692106 | 62,826 |
| 47.041 | 3600 | AQUAGGA INC | A170680 | -20,979 |
| 47.041 | 3600 | BOSTON UNIVERSITY | 4500003860AM01 | 26,903 |
| 47.041 | 3600 | CORNELL UNIVERSITY ITHACA | 8901911283AM03 | 99,745 |
| 47.041 | 3600 | HARVARD UNIVERSITY | 1240505104118AM07 | 37,852 |
| 47.041 | 3600 | NONLINEAR MATERIALS CORP | UW684085 | 13,991 |
| 47.041 | 3600 | NORTHWESTERN UNIVERSITY | 60059495UWAMA01 | 7,512 |
| 47.041 | 3600 | OHIO STATE UNIVERSITY | GR128185SPC1000006851 | 2,512 |
| 47.041 | 3600 | OREGON STATE UNIVERSITY | S2239AAAM01 | 26,727 |
| 47.041 | 3600 | PURDUE UNIVERSITY | 10001604005AM02 | 10,178 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 47.041 | 3600 | UNIVERSITY OF CALIFORNIA BERKELEY | 00010849AM02 | 113,438 |
| 47.041 | 3600 | UNIVERSITY OF CALIFORNIA DAVIS | A160090S001AM04 | 5,210 |
| 47.041 | 3600 | UNIVERSITY OF CALIFORNIA DAVIS | A160090S001AM05 | 23,945 |
| 47.041 | 3600 | UNIVERSITY OF CALIFORNIA DAVIS | A211719S002AM01 | 47,552 |
| 47.041 | 3600 | UNIVERSITY OF COLORADO | 1556900AM02 | 7,718 |
| 47.041 | 3600 | UNIVERSITY OF COLORADO | 1563013 | 79,021 |
| 47.041 | 3600 | UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN | 10343318508AM02 | 3,333 |
| 47.041 | 3600 | UNIVERSITY OF PITTSBURGH | AWD000065100128544 | 10,772 |
| 47.041 | 3600 | UNIVERSITY OF TEXAS AUSTIN | UTA20000984UTAUSUB000 | 37,954 |
| 47.041 | 3600 | WASHINGTON FOUNDRY S.P.C. INC. | UW639554 | 36,867 |
| 47.041 | 3600 | YALE UNIVERSITY | GR105156CON80001606AM0 | 13,825 |
| 47.041 | 3650 | AMERICAN SOCIETY FOR ENGINEERING EDUCATION | 7692069 | 132,512 |
| 47.041 | 3650 | ECO-SHELTER, LLC | 135456004 | 130,534 |
| 47.041 | 3650 | RYP LABS, INC | 140108001 | 72,100 |
| 47.041 | 3650 | UNIVERSITY OF KANSAS | FY2020018 | 55,980 |
| 47.041 | 3650 | UNIVERSITY OF NEW MEXICO | 358007874P | 139,803 |
| 47.041 | 3700 | University of Pittsburgh | AWD00006510 (012854-1) | 329 |
| 47.041 | 3750 | Colorado Mesa University | S2746.1-01-00 | 21,914 |
| 47.049 | 3600 | ASSOCIATION OF UNIVERSITIES FOR RESEARCH | N00017343C | 817,975 |
| 47.049 | 3600 | AURA INC | N51948CAM10 | 2,929,482 |
| 47.049 | 3600 | DUKE UNIVERSITY | 3332770AM01 | 206,295 |
| 47.049 | 3600 | EMORY UNIVERSITY | A374567AM05 | 48,484 |
| 47.049 | 3600 | MICHIGAN STATE UNIVERSITY | RC104177UWAM08 | 49,121 |
| 47.049 | 3600 | OREGON STATE UNIVERSITY | S2270BOAM02 | 40,238 |
| 47.049 | 3600 | UNIV OF CEN FLORIDA | 63016A20 | 52,735 |
| 47.049 | 3600 | UNIVERSITY OF CALIFORNIA BERKELEY | 00010006AM03 | 200,934 |
| 47.049 | 3600 | UNIVERSITY OF CHICAGO | AWD068599SUB00000622AM | 86,846 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 47.049 | 3600 | UNIVERSITY OF HAWAII | MA1713AM01 | 26,874 |
| 47.049 | 3600 | UNIVERSITY OF ILLINOIS CHICAGO | AWD068599SUB00000622AM | 182,710 |
| 47.049 | 3600 | UNIVERSITY OF WISCONSIN MILWAUKEE | 203405468AM05 | 35,987 |
| 47.049 | 3650 | DREXEL UNIVERSITY | 920202 | 1,044 |
| 47.050 | 3600 | ARCTIC RESEARCH CONSORTIUM OF THE US | SIPN213310832 | 5,181 |
| 47.050 | 3600 | ARIZONA STATE UNIVERSITY | 18352AM04 | 9,554 |
| 47.050 | 3600 | ARIZONA STATE UNIVERSITY | 18352AM05 | 24,900 |
| 47.050 | 3600 | CALIFORNIA INSTITUTE OF TECHNOLOGY | S431504AM002 | 6,003 |
| 47.050 | 3600 | CARLETON COLLEGE | 0796UWAM01 | 27,358 |
| 47.050 | 3600 | COLUMBIA UNIVERSITY | 20DGG00939304AM01 | 33,495 |
| 47.050 | 3600 | GEORGE MASON UNIVERSITY | E2048691AM03 | 9,519 |
| 47.050 | 3600 | GEORGIA INSTITUTE OF TECHNOLOGY | AWD002863G1AM01 | 140,031 |
| 47.050 | 3600 | HARVARD UNIVERSITY | 1243705118902AM01 | 111,713 |
| 47.050 | 3600 | INCORPORATED RSCH INST FOR SEISMOLOGY | SU19100107UWATO104 | 32,849 |
| 47.050 | 3600 | INCORPORATED RSCH INST FOR SEISMOLOGY | SU19100107UWATO105 | 31,615 |
| 47.050 | 3600 | IOWA STATE UNIVERSITY | 024680A | 18,300 |
| 47.050 | 3600 | MONTEREY BAY AQUARIUM RESEARCH INSTITUTE | 2110911AM01 | 235,946 |
| 47.050 | 3600 | MONTEREY BAY AQUARIUM RESEARCH INSTITUTE | PO2011050 | 3,957,596 |
| 47.050 | 3600 | MONTEREY BAY AQUARIUM RESEARCH INSTITUTE | PO2011050MOD06 | 357,050 |
| 47.050 | 3600 | MONTEREY BAY AQUARIUM RESEARCH INSTITUTE | PO2110546AM01 | 385,998 |
| 47.050 | 3600 | OREGON STATE UNIVERSITY | 22295CD | 18,368 |
| 47.050 | 3600 | OREGON STATE UNIVERSITY | S2119AAAM02 | 13,055 |
| 47.050 | 3600 | OREGON STATE UNIVERSITY | S2119AAAM03 | 4,816 |
| 47.050 | 3600 | OREGON STATE UNIVERSITY | S2295CD | 1,043,794 |
| 47.050 | 3600 | OREGON STATE UNIVERSITY | S2295CDAM02 | 13,775 |
| 47.050 | 3600 | OREGON STATE UNIVERSITY | S2295CDAM03 | 175,502 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 47.050 | 3600 | PENNSYLVANIA STATE UNIVERSITY | 5857UWNSF8934AM06 | 90,225 |
| 47.050 | 3600 | UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH | SUBAWD001365MOD02 | 4,452 |
| 47.050 | 3600 | UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH | SUBAWD003261 | 169,788 |
| 47.050 | 3600 | UNIVERSITY OF CALIFORNIA SAN DIEGO | KR704187AM002 | 1,670 |
| 47.050 | 3600 | UNIVERSITY OF CALIFORNIA SANTA BARBARA | KK2137AM01 | 23,765 |
| 47.050 | 3600 | UNIVERSITY OF CALIFORNIA SANTA BARBARA | KK2329 | 10,162 |
| 47.050 | 3600 | UNIVERSITY OF OKLAHOMA | 202111AM02 | 105,485 |
| 47.050 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 000000506AM03 | 42,836 |
| 47.050 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | A101403 | 1,864,836 |
| 47.050 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | A101403AM08 | 494,179 |
| 47.050 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | A101403AM13 | 1,653,869 |
| 47.050 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | A101403AMEND13 | 1,665,799 |
| 47.050 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | A101403AMEND15 | 175 |
| 47.050 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | A101403AMEND18 | 4,939,660 |
| 47.050 | 3600 | WOODS HOLE OCEANOGRAPHIC INSTITUTION | A101403AMEND19 | 15,160 |
| 47.050 | 3650 | OREGON STATE UNIVERSITY | S2295CE | 16,446 |
| 47.050 | 3750 | Pennsylvania State University | 5862-CWU-NSF-8934 | 15,928 |
| 47.050 | 3750 | UNAVCO,Inc | S18-EAR1724794-S1 | 122,052 |
| 47.050 | 3800 | Columbia University | SAPO G17260 53B(GG00 | 37,755 |
| 47.050 | 3800 | PNRI-Pacific Northwest Research Ins | EEID_DIMOND_01 | 3,982 |
| 47.070 | 3600 | CARNEGIE MELLON UNIVERSITY | 1122928460436 | 111,562 |
| 47.070 | 3600 | COMPUTING RESEARCH ASSOCIATION | 2021CIFUWASHINGTON29 | 128,478 |
| 47.070 | 3600 | COMPUTING RESEARCH ASSOCIATION | 2021CIFUWASHINGTON66 | 125,651 |
| 47.070 | 3600 | COMPUTING RESEARCH ASSOCIATION | CIF2020UW53AM01 | 58,067 |
| 47.070 | 3600 | FLORIDA INTERNATIONAL UNIVERSITY | 000431AM04 | 1,477 |
| 47.070 | 3600 | GEORGE WASHINGTON UNIVERSITY | 21S24AM01 | 1,496 |
| 47.070 | 3600 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | S5834PO824664 | 50,370 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 47.070 | 3600 | MICHIGAN TECHNOLOGICAL UNIV | 2006061Z4AM04 | 152,895 |
| 47.070 | 3600 | OHIO STATE UNIVERSITY | SPC1000005464GR124632A | 68,155 |
| 47.070 | 3600 | PRINCETON UNIVERSITY | SUB0000281AM05 | 142,892 |
| 47.070 | 3600 | RUTGERS THE STATE UNIV OF NEW JERSEY | 1121PO1215394MOD05 | 119,340 |
| 47.070 | 3600 | UNIVERSITY OF CALIFORNIA BERKELEY | 00010972AM01 | 21,910 |
| 47.070 | 3600 | UNIVERSITY OF CALIFORNIA SAN DIEGO | 121847117MPINVS9002372 | 284,552 |
| 47.070 | 3600 | UNIVERSITY OF COLORADO | 1556133AM06 | 139,574 |
| 47.070 | 3600 | UNIVERSITY OF COLORADO | 1562954 | 18,851 |
| 47.070 | 3600 | UNIVERSITY OF TEXAS AUSTIN | UTA20000943AM03 | 857,319 |
| 47.070 | 3600 | UNIVERSITY OF WISCONSIN MILWAUKEE | 203405442AM003 | 8,321 |
| 47.070 | 3600 | UTAH STATE UNIVERSITY | 201242480AM005 | 7,775 |
| 47.070 | 3600 | VANDERBILT UNIVERSITY | 61688AM01 | 186,044 |
| 47.070 | 3650 | ARIZONA STATE UNIVERSITY | ASUB00001062 | 19,683 |
| 47.070 | 3650 | OREGON STATE UNIVERSITY | Z0051A-B | 118,854 |
| 47.070 | 3650 | UNIVERSITY OF TENNESSEE | A230007S011 | 5,120 |
| 47.074 | 3600 | ARIZONA STATE UNIVERSITY | 170251616821AM04 | 13,979 |
| 47.074 | 3600 | GLOUCESTER MARINE GENOMICS INSTITUTE | 0002 | 20,209 |
| 47.074 | 3600 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | S5173PO524705AM03 | 209,161 |
| 47.074 | 3600 | RUTGERS THE STATE UNIV OF NEW JERSEY | 1658PO1392504MOD03 | 8,571 |
| 47.074 | 3600 | UNIVERSITY OF ALASKA SOUTHEAST | J201611557186AM04 | 1,914 |
| 47.074 | 3600 | UNIVERSITY OF ARIZONA | 493174AM04 | 34,590 |
| 47.074 | 3600 | UNIVERSITY OF CALIFORNIA SANTA BARBARA | KK2128AM02 | 40,142 |
| 47.074 | 3600 | UNIVERSITY OF CALIFORNIA SANTA CRUZ | A230252S001 | 2,621 |
| 47.074 | 3600 | UNIVERSITY OF MARYLAND COLLEGE PARK | 91874Z3500201AMC | 49,072 |
| 47.074 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | 3004946906AM02 | 57,167 |
| 47.074 | 3600 | UNIVERSITY OF MISSOURI COLUMBIA | C000509742AM006 | 19,201 |
| 47.074 | 3600 | UNIVERSITY OF MISSOURI COLUMBIA | C000671931AM01 | 35,619 |
| 47.074 | 3650 | COLUMBIA UNIVERSITY | 5GG014070 | 17,764 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 47.074 | 3650 | FROSTDEFENSE ENVIROTECH INC. | 2125182S1 | 61,290 |
| 47.074 | 3650 | GEORGETOWN UNIVERSITY | 425338GR425286YR1WSU | 161,889 |
| 47.074 | 3650 | LOYOLA MARYMOUNT UNIVERSITY | 17014S1 | -26 |
| 47.074 | 3650 | NATIONAL CENTER FOR GEOME RESOURCES | 20171 | 63,217 |
| 47.074 | 3650 | UNIVERSITY OF MISSOURI | C000573932 | -11 |
| 47.074 | 3650 | UNIVERSITY OF MISSOURI | C000622112 | 167,475 |
| 47.074 | 3650 | UNIVERSITY OF TENNESSEE | 9500073626 | 17,687 |
| 47.074 | 3650 | UNIVERSITY OF TENNESSEE | A230010S002 | 98,654 |
| 47.074 | 3750 | University of Georgia | RR167-627/S000812 | 10,880 |
| 47.074 | 3800 | University Of Alaska | UAF 18-0059/P0521291 | 149,448 |
| 47.075 | 3600 | AMERICAN RED CROSS | UW664661 | 17,581 |
| 47.075 | 3600 | LOUISIANA STATE UNIVERSITY | PO0000137333AM03 | 47,202 |
| 47.075 | 3600 | SYRACUSE UNIVERSITY | 3029105288S01AM04 | 37,447 |
| 47.075 | 3600 | SYRACUSE UNIVERSITY | 3230106033S01 | 16,266 |
| 47.075 | 3650 | REED COLLEGE | 40460WSU | 9,132 |
| 47.075 | 3800 | Pennsylvania State University | 577846/PO 4598691 | 549 |
| 47.076 | 3600 | AMER ASSOC FOR THE ADVANCEMENT OF SCI | 2466B | 37,462 |
| 47.076 | 3600 | AMERICAN INSTITUTES FOR RESEARCH | 0499000001AM02 | 23,012 |
| 47.076 | 3600 | AMERICAN SOCIETY FOR ENGINEERING EDUC | 769UWWA | 5,029 |
| 47.076 | 3600 | ASSOC OF PUBLIC & LAND-GRANT UNIV | A170794 | 88,518 |
| 47.076 | 3600 | AUBURN UNIVERSITY | 21COSAM200840UWAAM01 | 21,799 |
| 47.076 | 3600 | AUBURN UNIVERSITY | 21COSAM200840UWAAM02 | 141,943 |
| 47.076 | 3600 | CAL POLY POMONA FOUNDATION INC | 007800 | 15,438 |
| 47.076 | 3600 | DREXEL UNIVERSITY | 920152 | 2,676 |
| 47.076 | 3600 | DUKE UNIVERSITY | 3332804AM01 | 227,262 |
| 47.076 | 3600 | EDUCATION DEVELOPMENT CENTER INC | EDC12423GN1850447 | 1,379 |
| 47.076 | 3600 | RESEARCH FOUNDATION FOR STATE UNIV OF NY | R1340094 | 12,474 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 47.076 | 3600 | ROCHESTER INSTITUTE OF TECHNOLOGY | 3270403 | 9,240 |
| 47.076 | 3600 | RUTGERS THE STATE UNIV OF NEW JERSEY | SUB00002722 | 21,945 |
| 47.076 | 3600 | SEATTLE UNIVERSITY | 210148807001AM03 | 38,022 |
| 47.076 | 3600 | STATE UNIVERSITY OF NEW YORK GENESEO | 190115665485949AM03 | 12,096 |
| 47.076 | 3600 | TEACHERS DEVELOPMENT GROUP | 206002CAM02 | 99,569 |
| 47.076 | 3600 | UNIVERSITY OF ALASKA ANCHORAGE | R0337992P0566343 | 3,322 |
| 47.076 | 3600 | UNIVERSITY OF CALIFORNIA SANTA BARBARA | KK1938AM001 | 1,700 |
| 47.076 | 3600 | UNIVERSITY OF COLORADO | 1562797 | 5,916 |
| 47.076 | 3600 | UNIVERSITY OF HOUSTON | R220003AM02 | 10,566 |
| 47.076 | 3600 | UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN | 09546417496AM03 | 2,035 |
| 47.076 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5126006 | 43,340 |
| 47.076 | 3600 | UNIVERSITY OF OREGON | 2012U0BAM02 | 22,527 |
| 47.076 | 3600 | UNIVERSITY OF TEXAS EL PASO | 226100996P | 410 |
| 47.076 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000001018AM05 | 141,032 |
| 47.076 | 3600 | WEST VIRGINIA UNIVERSITY | 18717UW | 17,775 |
| 47.076 | 3600 | WOMEN IN ENGINEERING PROACTIVE NETWORK | UW668074 | 50,840 |
| 47.076 | 3650 | AMERICAN ASSOCIATION OF COMMUNITY COLLEGES (AACC) | 139000 | 28,841 |
| 47.076 | 3650 | AMERICAN ASSOCIATION OF COMMUNITY COLLEGES (AACC) | 140002 | 7,844 |
| 47.076 | 3650 | AMERICAN INSTITUTES FOR RESEARCH | 0499000002 | 58,397 |
| 47.076 | 3650 | AUSTIN COMMUNITY COLLEGE DISTRICT | 141748001 | 8,888 |
| 47.076 | 3650 | AUSTIN COMMUNITY COLLEGE DISTRICT | WSU004153 | 122,885 |
| 47.076 | 3650 | CENTRAL OREGON COMMUNITY COLLEGE | 142263 | 2,516 |
| 47.076 | 3650 | DARK ENTERPRISES INC | 138714002 | 10,763 |
| 47.076 | 3650 | DIGITAL WORLD BIOLOGY | WSU003988 | -326 |
| 47.076 | 3650 | HERITAGE UNIVERSITY | CRESCENT-01 | 145,380 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 47.076 | 3650 | JEFFERSON COMMUNITY AND TECHNICAL COLLEGE | DUE1700496WSU | 47,730 |
| 47.076 | 3650 | JEFFERSON COMMUNITY AND TECHNICAL COLLEGE | DUE2202038001 | 24,753 |
| 47.076 | 3650 | MONTEREY PENINSULA COLLEGE | WSUMATEEVALUATECOMPETE | 14,661 |
| 47.076 | 3650 | MONTGOMERY COUNTY COMMUNITY COLLEGE | 139764002 | 18 |
| 47.076 | 3650 | MONTGOMERY COUNTY COMMUNITY COLLEGE | 139764004 | 10,826 |
| 47.076 | 3650 | SPOKANE COMMUNITY COLLEGE | 134038001 | 5,025 |
| 47.076 | 3650 | TRIDENT TECHNICAL COLLEGE | PS957605 | 21,039 |
| 47.076 | 3650 | UNIVERSITY OF PUGET SOUND | 138306-001 | 16,195 |
| 47.076 | 3700 | Kent State University | SUBAWARD 402139-EWU | 46,283 |
| 47.076 | 3700 | University of Idaho | ED6357-726951 PTE:V210 | 65,371 |
| 47.076 | 3750 | American Institute for Reesarch in Behavioral Sciences | 0499000004 | 8,635 |
| 47.076 | 3760 | Salish Kootenai College | ESC-20-1 | 1,355 |
| 47.076 | 3760 | University of Maryland, Baltimore County | NSF00099-05 | 2,853 |
| 47.076 | 3800 | American Institutes For Research | 499000003 | 4,106 |
| 47.076 | 3800 | Salish Kootenai College | 1826637 / WWU-18-2 | 4,400 |
| 47.076 | 3800 | UC Berkeley | 00010783 / BB0163696 | 52,707 |
| 47.076 | 6990 | Collins | 21601 | 1,546 |
| 47.076 | 6990 | Education Development Ctr | 1902568 | 16,506 |
| 47.076 | 6990 | Pasadena | 2000281 | 152,108 |
| 47.076 | 6990 | San Jose Evergreen CommColl Dist | 1798705410 | 44,290 |
| 47.076 | 6990 | Somerset | 2055722 | 11,123 |
| 47.076 | 6990 | Tennessee Tech | 1601587 | 0 |
| 47.076 | 6990 | WPI | 21620 | 22,834 |
| 47.078 | 3600 | OREGON STATE UNIVERSITY | S2306BN | 333,298 |
| 47.078 | 3600 | OREGON STATE UNIVERSITY | S2306LNAME01 | 95,602 |
| 47.078 | 3600 | OREGON STATE UNIVERSITY | S2306LNAME02 | 420,910 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 47.078 | 3600 | OREGON STATE UNIVERSITY | S2306ME | 293,545 |
| 47.078 | 3600 | OREGON STATE UNIVERSITY | S2319AAAM01 | 15,673 |
| 47.078 | 3600 | PRINCETON UNIVERSITY | SUB0000386AM02 | 667,631 |
| 47.078 | 3600 | PRINCETON UNIVERSITY | SUB0000386AM04 | 480,225 |
| 47.078 | 3600 | UNIVERSITY OF SOUTH FLORIDA | 2500181700AAM01 | 23,111 |
| 47.079 | 3600 | UNIVERSITY OF CHICAGO | FP065300C54405486012AM | 306,583 |
| 47.079 | 3600 | US CIVILIAN RESEARCH & DEVELOPMENT FNDN | G20201267159MOD03 | 8,962 |
| 47.083 | 3600 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | S5461PO661477 | 82,300 |
| 47.083 | 3600 | MASSACHUSETTS INSTITUTE OF TECHNOLOGY | S5582PO725677 | 32,976 |
| 47.083 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00015725 | 40,168 |
| 47.083 | 3600 | VANDERBILT UNIVERSITY | UNIV62475AM01 | 96,390 |
| 47.083 | 3650 | UNIVERSITY OF WISCONSIN MADISON | 0000001914 | 57,419 |
| 47.084 | 3600 | AQUAGGA INC | A176690 | 1,827 |
| 47.084 | 3600 | QUIVER DENTAL, INC. | UW667836 | 84,784 |
| 47.084 | 3600 | UTAH STATE UNIVERSITY | 204694838 | 17,329 |
| 47.084 | 3600 | VANDERBILT UNIVERSITY | UNIV62475AM01 | 143,441 |
| 47.084 | 3650 | ABBERIT | 141948001 | 29,191 |
| 47.084 | 3650 | UNIVERSITY OF WISCONSIN MADISON | 0000002546 | 19,780 |
| 66.123 | 4770 | Northwest Straits Foundation | 2019-13-WDFW | 60 |
| 66.456 | 3600 | TULALIP TRIBES | UW669954 | 50 |
| 66.509 | 3600 | UNIVERSITY OF ALASKA ANCHORAGE | P0564947 | 39,360 |
| 66.509 | 3600 | UNIVERSITY OF MINNESOTA | A009907501 | 8,446 |
| 66.511 | 3600 | HEALTH EFFECTS INSTITUTE | 4975RFA1912092 | 39,665 |
| 66.511 | 3600 | HEALTH EFFECTS INSTITUTE | 4975RFA1912093 | 314,524 |
| 66.511 | 3600 | WATER RESEARCH FOUNDATION | 5202 | 6,991 |
| 66.605 | 3650 | SQUAXIN ISLAND TRIBE | 140239001 | 19,961 |
| 66.716 | 3650 | EXTENSION | SA202240 | 11,725 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 66.RD | 3600 | JAMESTOWN S'KLALLAM TRIBE | 21565084 | 25,071 |
| 66.RD | 3600 | SKAGIT COUNTY | C20190479 | 9,046 |
| 66.RD | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00011427AM04 | 27,975 |
| 81.010 | 3600 | VERTUELAB | UW634329 | 97,555 |
| 81.049 | 3600 | CARNEGIE MELLON UNIVERSITY | 1070142464347 | 98,290 |
| 81.049 | 3600 | COLUMBIA UNIVERSITY | 1GG014496 | 27,273 |
| 81.049 | 3600 | COLUMBIA UNIVERSITY | 1GG014496AM01 | -142 |
| 81.049 | 3600 | COLUMBIA UNIVERSITY | 3GG01449618 | 6,451 |
| 81.049 | 3600 | COLUMBIA UNIVERSITY | 4GG01449638POG17188 | 396,056 |
| 81.049 | 3600 | FLORIDA STATE UNIVERSITY | R000002914AM01 | 116,569 |
| 81.049 | 3600 | GEORGIA INSTITUTE OF TECHNOLOGY | AWD004059G1 | 70,000 |
| 81.049 | 3600 | GVD CORP | A167035 | 14,702 |
| 81.049 | 3600 | GVD CORP | UW667222 | 37,824 |
| 81.049 | 3600 | MARINESITU, INC. | A177974 | 25,420 |
| 81.049 | 3600 | MICHIGAN STATE UNIVERSITY | RC114586UW | 1,896 |
| 81.049 | 3600 | UNIVERSITY OF CALIFORNIA IRVINE | 20231853 | 3,860 |
| 81.049 | 3600 | UNIVERSITY OF COLORADO | 1561326PO1001569134AM0 | 79,251 |
| 81.049 | 3600 | UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN | 10568818689AM01 | 6,560 |
| 81.049 | 3600 | UNIVERSITY OF MISSOURI COLUMBIA | C000554181AM04 | -10 |
| 81.049 | 3600 | UNIVERSITY OF MISSOURI COLUMBIA | C000634211AM02 | 14,921 |
| 81.049 | 3600 | UNIVERSITY OF OKLAHOMA | 202123AM02 | 41,650 |
| 81.049 | 3600 | UNIVERSITY OF TENNESSEE | A180354S002AM05 | 62,423 |
| 81.049 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000001615MOD01 | 76,444 |
| 81.049 | 3600 | YALE UNIVERSITY | CON80004101GR118812 | 182,614 |
| 81.049 | 3650 | BATTELLE LABS (PNNL) | 531171 | 21,806 |
| 81.049 | 3650 | COLORADO SCHOOL OF MINES | 4020575801 | 3,441 |
| 81.049 | 3650 | DONALD DANFORTH PLANT SCIENCE CENTER | 23021W | 25,954 |
| 81.049 | 3650 | DONALD DANFORTH PLANT SCIENCE CENTER | 23217W | 243,614 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 81.049 | 3650 | EXMAT RESEARCH, INC. | EXMATWSUSC0022391 | 115,797 |
| 81.049 | 3650 | ILLIOIS STATE UNIVERSITY | A210036S006 | 363,846 |
| 81.049 | 3650 | MICHIGAN STATE UNIVERSITY | RC105251 | 85,167 |
| 81.049 | 3650 | MONTANA STATE UNIVERSITY | G14821W8564 | 279,567 |
| 81.049 | 3650 | NEXCERIS | 140937001 | 129,120 |
| 81.049 | 3650 | PURDUE UNIVERSITY | 14000496003 | 2,368 |
| 81.049 | 3650 | RADIATION DETECTION TECHNOLOGIES, INC. | 135871 | 92,884 |
| 81.049 | 3650 | RADIATION DETECTION TECHNOLOGIES, INC. | 142335001 | 60,837 |
| 81.049 | 3650 | UNIVERSITY OF IDAHO | BJKQ05SB001 | -3,929 |
| 81.049 | 3650 | UNIVERSITY OF NEBRASKA | 2512150123011 | 810 |
| 81.049 | 3650 | UNIVERSITY OF NEBRASKA | 2512150265008 | 28,290 |
| 81.049 | 3650 | UNIVERSITY OF NEW MEXICO | 740058874P | 60,187 |
| 81.049 | 3650 | UNIVERSITY OF TEXAS AT AUSTIN | UTAUS-SUB00000654AM1 | 80,942 |
| 81.086 | 3650 | ORTHEASTERN UNIVERSITY | 503048-78051 | 73,768 |
| 81.086 | 3700 | Kalispel Indian Community of the Kalispel | 23-054 BPA CONTR 74488 | 22,872 |
| 81.086 | 3700 | Kalispel Indian Community of the Kalispel | BPA CONTRACT 74488 | 516 |
| 81.086 | 3700 | Kalispel Indian Community of the Kalispel | SUBAWARD TSC21-066 | 186,290 |
| 81.087 | 3600 | FIRST SOLAR INC | A164189 | 5,329 |
| 81.087 | 3600 | FIRST SOLAR, INC. | A164189 | 106,392 |
| 81.087 | 3600 | IOWA STATE UNIVERSITY | 4012025BAM03 | 37,362 |
| 81.087 | 3600 | IOWA STATE UNIVERSITY | SCN1007304AM03 | 29,940 |
| 81.087 | 3600 | OREGON STATE UNIVERSITY | G0152ABAM12 | 179,647 |
| 81.087 | 3600 | OREGON STATE UNIVERSITY | G0196AAAM01 | 72,994 |
| 81.087 | 3600 | OREGON STATE UNIVERSITY | G0196AAAM02 | 32,525 |
| 81.087 | 3600 | PACIFIC OCEAN ENERGY TRUST | OSPA171190 | 22,084 |
| 81.087 | 3600 | PACIFIC OCEAN ENERGY TRUST | UW633999 | 57,786 |
| 81.087 | 3650 | ALLIANCE SUSTAINABLE ENERGY | SUB-2022-10359 | 2,709 |
| 81.087 | 3650 | ELECTRIC POWER RESEARCH INSTITUTE | 10011557 | 41,176 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 81.087 | 3650 | GEORGIA INSTITUTE OF TECHNOLOGY | AWD001575G1 | 19,495 |
| 81.087 | 3650 | TEXAS A&M UNIVERSITY | M1900171 | 34,819 |
| 81.087 | 3650 | UNIVERSITY OF NORTH DAKOTA | UND0026128S1 | 189,590 |
| 81.087 | 3800 | University of Tulsa | 14-2-12-153443-66019 | 12,707 |
| 81.089 | 3600 | UNIVERSITY OF TEXAS AUSTIN | UTA17000308AM09 | 122,011 |
| 81.104 | 3650 | WASHINGTON RIVER PROTECTION SOLUTIONS | 74081016 | 25,057 |
| 81.106 | 2250 | Western Interstate Energy Board | K16784 | 102,451 |
| 81.112 | 3600 | TEXAS A&M UNIVERSITY | M1803341AM05 | 81,619 |
| 81.112 | 3650 | UNIVERSITY OF NOTRE DAME | 203186WSU | 418,392 |
| 81.113 | 3650 | GEORGIA TECH | AWD000372G1 | 205,724 |
| 81.135 | 3600 | PRINCIPLE POWER INC | UW667972 | 81,212 |
| 81.135 | 3650 | ARIZONA STATE UNIVERSITY | ASUB00001315 | 26,439 |
| 81.135 | 3650 | RUTGERS STATE UNIVERSITY OF NEW JERSEY | SUB00002422 | 323,003 |
| 81.135 | 3650 | UNIVERSITY OF WISCONSIN MADISON | 0000000025 | 2,572 |
| 81.214 | 3650 | VANDERBILT UNIVERSITY | OSA00000203, PO# P2303 | 38,232 |
| 81.RD | 3600 | ARGONNE NATIONAL LABORATORY | 1F60417M0001 | -670 |
| 81.RD | 3600 | ARGONNE NATIONAL LABORATORY | 1F60592M0003 | 74,567 |
| 81.RD | 3600 | ARGONNE NATIONAL LABORATORY | 1F60602M0003 | 16,328 |
| 81.RD | 3600 | ARGONNE NATIONAL LABORATORY | 2F60005M0004 | 202,731 |
| 81.RD | 3600 | ARGONNE NATIONAL LABORATORY | 3F60043 | 42,526 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 243766TO257527MOD02 | 34,961 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 571319AM01 | 20,426 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 589676MOD01 | 167,828 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 613205MOD01 | 79,630 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 618905CONTRACT606219MO | 41,916 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 619333MOD02 | 135,742 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 619358 | 7,947 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 619818 | 103,407 |

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Note F: Supplemental Information for Pass-Through Funds

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June 30, 2023
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---------------------------------|--------------------------------------|---------------------------|
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 619818M0D01 | 27,986 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 635949 | 21,153 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 647684MOD01 | 33,188 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 654408MOD1 | 144,373 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 655019MOD01 | 46,021 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 655512 | 80,883 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 655539 | 23,739 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 659770 | 48,914 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 660338M0D01 | 54,935 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 663685 | 28,005 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 665221 | 7,500 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 667498 | 17,498 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 670185 | 21,568 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 673307 | 25,512 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | 676213 | 1,154 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA243766TO403450MOD06 | 6,353 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA243766TO424177MOD07 | 31,926 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA243766TO432652MOD08 | -6 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA243766TO594113 | 30,118 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA243766TO618109MOD02 | 71,714 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA243766TO624893 | 118,873 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO495959MOD03 | 41,710 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO500469 | 1,531 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO516639MOD03 | 225,904 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO534807MOD05 | 1,995 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO535499MOD06 | 123,242 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO539234 | 4,082 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO539234MOD1 | 1,286 |

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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---------------------------------|--------------------------------------|---------------------------|
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO545987MOD01 | 9,239 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO549009MOD03 | 143,587 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO554401MOD02 | 30,490 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO555131MOD02 | 174,160 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO564330MOD01 | 25,238 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO574823MOD03 | 70,629 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO581504MOD01 | 33,868 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO590896MOD01 | 77,528 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO592008 | 251,668 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO592008MOD03 | 419,262 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO592419MOD03 | 52,151 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO593646 | 8,167 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO593867MOD01 | 10,462 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO602492MOD01 | 109,443 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO604621MOD03 | 17,256 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO609131MOD03 | 45,818 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO610217MOD03 | 38,145 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO618328 | -1,101 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO621497MOD1 | 73,988 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO624984 | 17,238 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO625962 | 17,238 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO630347MOD01 | 81,615 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO632001MOD02 | 151,052 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO646189 | 9,998 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA487139TO646741MOD01 | 67,631 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA612906 | 33,535 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA650145 | 7,689 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MA650145MOD02 | 41,230 |

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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---------------------------------------|--------------------------------------|---------------------------|
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | MTA487139TO620416 | 13,840 |
| 81.RD | 3600 | BATTELLE MEMORIAL INSTITUTE | TO647365MA487139 | 52,941 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 252206AM17 | 109,366 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 339224AM08 | 35,182 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 344693AM05 | 2,529 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 344693AM06 | 6,337 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 344773AM10 | 12,305 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 364211MOD07 | 98,921 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 391075AM05 | 3,872 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 391075AM06 | 217,944 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 403709 | 40,600 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 412823MOD02 | 3,055 |
| 81.RD | 3600 | BROOKHAVEN SCIENCE ASSOCIATES LLC | 424770 | 27,221 |
| 81.RD | 3600 | FERMI NATIONAL ACCELERATOR LABORATORY | 665638MOD02 | 15,163 |
| 81.RD | 3600 | FERMI NATIONAL ACCELERATOR LABORATORY | 678162MOD01 | 229,271 |
| 81.RD | 3600 | FERMI NATIONAL ACCELERATOR LABORATORY | 684431 | 36,267 |
| 81.RD | 3600 | FERMI NATIONAL ACCELERATOR LABORATORY | 684431AM02 | -5,504 |
| 81.RD | 3600 | IDAHO NATIONAL LABORATORY | 260424AM02 | 190,601 |
| 81.RD | 3600 | INSTITUTE FOR SYSTEMS BIOLOGY | 20220003AM01 | 9,607 |
| 81.RD | 3600 | KRELL INSTITUTE | UW800761 | 3,344 |
| 81.RD | 3600 | KRELL INSTITUTE | UW800776 | 9,355 |
| 81.RD | 3600 | KRELL INSTITUTE | UW800777 | 3,344 |
| 81.RD | 3600 | KRELL INSTITUTE | UW800857 | 44,805 |
| 81.RD | 3600 | KRELL INSTITUTE | UW800859 | 33,008 |
| 81.RD | 3600 | KRELL INSTITUTE | UW800866 | 47,220 |
| 81.RD | 3600 | KRELL INSTITUTE | UW800876 | 47,220 |

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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---------------------------------------|--------------------------------------|---------------------------|
| 81.RD | 3600 | KRELL INSTITUTE | UW800877 | 47,220 |
| 81.RD | 3600 | KRELL INSTITUTE | UW807440 | -2,384 |
| 81.RD | 3600 | LAWRENCE BERKELEY NATIONAL LABORATORY | 7374375MOD22 | 170,162 |
| 81.RD | 3600 | LAWRENCE BERKELEY NATIONAL LABORATORY | 7609682MOD01 | 19,293 |
| 81.RD | 3600 | LAWRENCE BERKELEY NATIONAL LABORATORY | 7642072 | 44,613 |
| 81.RD | 3600 | LAWRENCE BERKELEY NATIONAL LABORATORY | 7659890MOD04 | 339,820 |
| 81.RD | 3600 | LOS ALAMOS NATIONAL LABORATORY | 507420MOD003 | 21,138 |
| 81.RD | 3600 | LOS ALAMOS NATIONAL LABORATORY | 590135BASIC592837 | -29,738 |
| 81.RD | 3600 | LOWER COLUMBIA ESTUARY PARTNERSHIP | 052022 | 82,707 |
| 81.RD | 3600 | LOWER COLUMBIA ESTUARY PARTNERSHIP | 082023 | 49,699 |
| 81.RD | 3600 | NATIONAL RENEWABLE ENERGY LABORATORY | SUB202210073MOD01 | 39,702 |
| 81.RD | 3600 | NATIONAL RENEWABLE ENERGY LABORATORY | SUB202210174MOD1 | 29,087 |
| 81.RD | 3600 | PACCAR INC. | A151091AM01 | 24,989 |
| 81.RD | 3600 | PACIFIC NORTHWEST NATIONAL LABORATORY | MA243766TO450523MOD03 | 203,367 |
| 81.RD | 3600 | PACIFIC NORTHWEST NATIONAL LABORATORY | MA243766TO474096MOD03 | -116,837 |
| 81.RD | 3600 | PACIFIC NORTHWEST NATIONAL LABORATORY | MA243766TO474098MOD06 | 134,374 |
| 81.RD | 3600 | PACIFIC OCEAN ENERGY TRUST | AM01 | 108,985 |
| 81.RD | 3600 | PACIFIC OCEAN ENERGY TRUST | TEAMERTBUW | 49,343 |
| 81.RD | 3600 | PRINCETON PLASMA PHYSICS LABORATORY | S017997MOD1 | 25,974 |
| 81.RD | 3600 | PRINCETON PLASMA PHYSICS LABORATORY | S220349 | 30,898 |
| 81.RD | 3600 | SANDIA NATIONAL LABORATORIES | PO2294283 | 100,526 |
| 81.RD | 3600 | SANDIA NATIONAL LABORATORIES | PO2322648REV01 | 130,178 |
| 81.RD | 3600 | SANDIA NATIONAL LABORATORIES | PO2445018 | 2,899 |
| 81.RD | 3600 | SANDIA NATIONAL LABORATORIES | PO2445269 | 595 |
| 81.RD | 3600 | SANDIA NATIONAL LABORATORIES | PO2460409 | 28,027 |
| 81.RD | 3600 | SANDIA NATIONAL LABORATORIES | PO2478645 | 20,816 |

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For the Fiscal Year Ended
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---------------------------------------|--------------------------------------|---------------------------|
| 81.RD | 3600 | SLAC NATIONAL ACCELERATOR LABORATORY | 168751MOD03 | 86,095 |
| 81.RD | 3600 | SLAC NATIONAL ACCELERATOR LABORATORY | 190039MOD03 | 65,615 |
| 81.RD | 3600 | UT-BATTELLE LLC | 134124G00397114AM002 | 211,268 |
| 81.RD | 3600 | UT-BATTELLE LLC | 4000193152 | 136,242 |
| 81.U01 | 3600 | BATTELLE MEMORIAL INSTITUTE | 670040 | 301 |
| 81.U02 | 3650 | ANL - UNIVERSITY OF CHICAGO | 0F60172 | 23,882 |
| 81.U03 | 3600 | BATTELLE MEMORIAL INSTITUTE | CONTRACT648225 | 18,200 |
| 81.U04 | 3600 | AMERICAN PHYSICAL SOCIETY | CWC078PHY2012033 | 15,024 |
| 81.U05 | 3600 | PACIFIC NORTHWEST NATIONAL LABORATORY | MA243766TO339065MOD03 | 548 |
| 81.U06 | 3650 | BATTELLE LABS (PNNL) | 135945001 | -1,102 |
| 81.U07 | 3650 | ANL - UNIVERSITY OF CHICAGO | 1F60533 | 10,624 |
| 81.U08 | 3650 | BATTELLE LABS (PNNL) | 201360 | 188,305 |
| 81.U09 | 3650 | BATTELLE ENERGY ALLIANCE-INL | 260738 | 130,476 |
| 81.U10 | 3650 | BATTELLE LABS (PNNL) | 339057 | 726 |
| 81.U11 | 3650 | WASHINGTON RIVER PROTECTION SOLUTIONS | 358928 | 19,769 |
| 81.U12 | 3650 | BATTELLE LABS (PNNL) | 500860 | -1,143 |
| 81.U13 | 3650 | BATTELLE LABS (PNNL) | 502231 | 24,445 |
| 81.U14 | 3650 | BATTELLE LABS (PNNL) | 506560 | 36,497 |
| 81.U15 | 3650 | BATTELLE LABS (PNNL) | 506570 | 199,336 |
| 81.U16 | 3650 | BATTELLE LABS (PNNL) | 526597 | 5,312 |
| 81.U17 | 3650 | BATTELLE LABS (PNNL) | 528677 | 58,102 |
| 81.U18 | 3650 | BATTELLE LABS (PNNL) | 540055 | 18,577 |
| 81.U19 | 3650 | BATTELLE LABS (PNNL) | 540570 | 8,478 |
| 81.U20 | 3650 | BATTELLE LABS (PNNL) | 551933 | 5,586 |
| 81.U21 | 3650 | BATTELLE LABS (PNNL) | 555239 | -284 |
| 81.U23 | 3650 | BATTELLE LABS (PNNL) | 561086 | 93,607 |
| 81.U24 | 3650 | BATTELLE LABS (PNNL) | 562117 | 12,717 |
| 81.U25 | 3650 | MISSION SUPPORT ALLIANCE LLC | 56682 | 39 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---------------------------------|--------------------------------------|---------------------------|
| 81.U26 | 3650 | BATTELLE LABS (PNNL) | 569664 | 3,729 |
| 81.U27 | 3650 | BATTELLE LABS (PNNL) | 578270 | 59,038 |
| 81.U28 | 3650 | BATTELLE LABS (PNNL) | 578780 | 60,847 |
| 81.U29 | 3650 | BATTELLE LABS (PNNL) | 586620 | 65,073 |
| 81.U30 | 3650 | BATTELLE LABS (PNNL) | 592418 | 37,009 |
| 81.U31 | 3650 | BATTELLE LABS (PNNL) | 595028 | 421,019 |
| 81.U32 | 3650 | BATTELLE LABS (PNNL) | 596816 | 6 |
| 81.U33 | 3650 | BATTELLE LABS (PNNL) | 606555 | 68,912 |
| 81.U34 | 3650 | BATTELLE LABS (PNNL) | 607066 | 36,179 |
| 81.U35 | 3650 | BATTELLE LABS (PNNL) | 607067 | 27,105 |
| 81.U36 | 3650 | BATTELLE LABS (PNNL) | 607899 | 63,369 |
| 81.U37 | 3650 | BATTELLE LABS (PNNL) | 607903 | 104,926 |
| 81.U38 | 3650 | BATTELLE LABS (PNNL) | 608584 | 17,030 |
| 81.U39 | 3650 | BATTELLE LABS (PNNL) | 617259 | -6,327 |
| 81.U40 | 3650 | BATTELLE LABS (PNNL) | 617774 | 21,536 |
| 81.U41 | 3650 | BATTELLE LABS (PNNL) | 622797 | 4,060 |
| 81.U43 | 3650 | BATTELLE LABS (PNNL) | 630348 | 88,236 |
| 81.U44 | 3650 | BATTELLE LABS (PNNL) | 639155 | 45,539 |
| 81.U46 | 3650 | BATTELLE LABS (PNNL) | 640538 | 44,697 |
| 81.U47 | 3650 | BATTELLE LABS (PNNL) | 645415 | 16,799 |
| 81.U48 | 3650 | BATTELLE LABS (PNNL) | 646731 | 35,772 |
| 81.U49 | 3650 | BATTELLE LABS (PNNL) | 647895 | 50,212 |
| 81.U50 | 3650 | BATTELLE LABS (PNNL) | 652544 | 2,092 |
| 81.U51 | 3650 | BATTELLE LABS (PNNL) | 660277 | 27,350 |
| 81.U52 | 3650 | BATTELLE LABS (PNNL) | 660542 | 25,347 |
| 81.U53 | 3650 | BATTELLE LABS (PNNL) | 660632 | 25,347 |
| 81.U54 | 3650 | BATTELLE LABS (PNNL) | 660633 | 25,415 |
| 81.U55 | 3650 | BATTELLE LABS (PNNL) | 668027 | 23,528 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 81.U56 | 3650 | BATTELLE LABS (PNNL) | 668215 | 209 |
| 81.U57 | 3650 | BATTELLE LABS (PNNL) | 670797 | 9,701 |
| 81.U58 | 3650 | BATTELLE LABS (PNNL) | 671664 | 9,602 |
| 81.U59 | 3650 | BATTELLE LABS (PNNL) | 675071 | 8,486 |
| 81.U60 | 3650 | WASHINGTON RIVER PROTECTION SOLUTIONS | 74081 | 28,331 |
| 81.U61 | 3650 | WASHINGTON RIVER PROTECTION SOLUTIONS | 74081014 | 10,000 |
| 81.U62 | 3650 | UC-BERKELEY-LBLN | 7624942 | 106,499 |
| 81.U63 | 3650 | HANFORD MISSION INTEGRATION SOLUTIONS, LLC | 78119 | 274,153 |
| 81.U67 | 3650 | LAWRENCE LIVERMORE NATIONAL SECURITY-LLNL | B644928 | -19 |
| 81.U68 | 3650 | LAWRENCE LIVERMORE NATIONAL SECURITY-LLNL | B649812 | 309,930 |
| 81.U69 | 3650 | LAWRENCE LIVERMORE NATIONAL SECURITY-LLNL | B651327 | 131,904 |
| 81.U70 | 3650 | LOS ALAMOS NAT'L SECURITY LLC | C1937 | 126,171 |
| 81.U71 | 3650 | TRIAD NATIONAL SECURITY, LLC - LOS ALAMOS NATIONAL LABORATORY | C3249 | 622 |
| 81.U72 | 3650 | TRIAD NATIONAL SECURITY, LLC - LOS ALAMOS NATIONAL LABORATORY | C3604 | 8,214 |
| 81.U73 | 3650 | UT-BATTELLE-ORNL | CW40881 | 209,152 |
| 81.U74 | 3650 | UT-BATTELLE-ORNL | CW41355 | 77,867 |
| 81.U75 | 3650 | ANL - UNIVERSITY OF CHICAGO | IF60329 | 32,425 |
| 81.U77 | 3650 | ALLIANCE SUSTAINABLE ENERGY | SUB202310185 | 4,173 |
| 81.U78 | 3650 | ALLIANCE SUSTAINABLE ENERGY | XFC87033101 | 60,303 |
| 81.U79 | 3800 | Battelle Pacific NW Natl Lab | 628837 | 19,672 |
| 81.U83 | 4770 | National Fish & Wildlife Foundation | 0201.22.073754 | 93,641 |
| 81.U84 | 4770 | National Fish & Wildlife Foundation | 0303.20.07318 | 37,598 |
| 81.U85 | 4770 | Spokane Tribe | 1995-027-00 | -3,128 |
| 81.U86 | 4770 | Pacific States Marine Fisheries Commission | 22-026G | 434,567 |
| 81.U87 | 4770 | Pacific States Marine Fisheries Commission | 22-138G | -4,183 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 81.U88 | 4770 | Pacific States Marine Fisheries Commission | 22-139G | -10,680 |
| 84.010 | 6990 | Edmonds School District | 1003-51 | 60,060 |
| 84.031 | 3600 | HERITAGE UNIVERSITY | 84.031S | 27,183 |
| 84.101 | 6990 | Tulalip Tribes | 18190309ES | 43,231 |
| 84.116 | 3600 | UNIVERSITY OF MINNESOTA | A009744602AM01 | 29,540 |
| 84.305 | 3600 | AMERICAN INSTITUTES FOR RESEARCH | 0440100001MOD04 | 24,784 |
| 84.305 | 3600 | AMERICAN INSTITUTES FOR RESEARCH | 84.305A | 105,485 |
| 84.305 | 3600 | LEHIGH UNIVERSITY | 84.305A | 68,552 |
| 84.305 | 3600 | NEW YORK UNIVERSITY | 84.305A | 10,038 |
| 84.305 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 84.305A | 85,231 |
| 84.305 | 3600 | UNIVERSITY OF MINNESOTA | 84.305A | 70,660 |
| 84.305 | 3600 | VIRGINIA COMMONWEALTH UNIVERSITY | 84.305A | 35,299 |
| 84.305 | 3600 | W.E. UPJOHN INSTITUTE FOR EMPLOYMENT RES | 35802UWA | 66,592 |
| 84.324 | 3600 | AMERICAN INSTITUTES FOR RESEARCH | 0438500001MOD04 | 233,436 |
| 84.324 | 3600 | DUQUESNE UNIVERSITY | 84.324A | -9,126 |
| 84.324 | 3600 | VANDERBILT UNIVERSITY | 84.305A | 142,173 |
| 84.325 | 3600 | UNIVERSITY OF CONNECTICUT | 84.325H | 130,691 |
| 84.326 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 84.326K | 36,108 |
| 84.373 | 3600 | AEM CORPORATION | TO100131Y0001UNIV04 | 8,836 |
| 93.067 | 3600 | BOTSWANA TRAINING & EDUC CTR FOR HEALTH | 2021UWITECH001 | 48,816 |
| 93.067 | 3600 | C?TE D?IVOIRE INTL TRNG AND EDUC CTR | 001PO001AM02 | 66,865 |
| 93.067 | 3600 | C?TE D?IVOIRE INTL TRNG AND EDUC CTR | SUB001PO001AM01 | 226,795 |
| 93.067 | 3600 | CENTRE HAITIEN POUR LE RENFORCEMENT DU S | A177143AM01 | 59,010 |
| 93.067 | 3600 | CENTRE HAITIEN POUR LE RENFORCEMENT DU S | A180388AM01 | 2,155 |
| 93.067 | 3600 | CENTRE HAITIEN POUR LE RENFORCEMENT DU S | CHUW22262223AM01 | 57,035 |

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Note F: Supplemental Information for Pass-Through Funds

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.067 | 3600 | CENTRE HAITIEN POUR LE RENFORCEMENT DU S | CHUW23602223AM01 | 136,685 |
| 93.067 | 3600 | CENTRE HAITIEN POUR LE RENFORCEMENT DU S | NU2GGH00236001UWITECH0 | 18,318 |
| 93.067 | 3600 | CHRISTIAN HEALTH ASSOCIATION OF KENYA | UW632264 | 117,516 |
| 93.067 | 3600 | GLOBAL HEALTH INFORMATICS INSTITUTE | GHIISA001 | 116,101 |
| 93.067 | 3600 | PATH | CDC57928401709063SUBAM | 1,928,177 |
| 93.067 | 3600 | TANZANIA HEALTH PROMOTION SUPPORT | CDCRFAGH212137 | 836,732 |
| 93.067 | 3600 | TANZANIA HEALTH PROMOTION SUPPORT | CDCRFAGH212137AM01 | 215,157 |
| 93.067 | 3600 | ZIM-TTECH | ZIMTTECHCOP220001AM01 | 313,571 |
| 93.068 | 3600 | NATIONAL OPINION RESEARCH CENTER | G157UWA03AM01 | 65,832 |
| 93.068 | 3600 | NATIONAL OPINION RESEARCH CENTER | G289IHME01 | 73,394 |
| 93.068 | 3600 | NATIONAL OPINION RESEARCH CENTER | G289UWOPHAL01 | 8,148 |
| 93.077 | 3600 | RESEARCH FOUNDATION FOR STATE UNIV OF NY | R1302620 | 15,319 |
| 93.077 | 3600 | RESEARCH FOUNDATION FOR STATE UNIV OF NY | R1335499AM01 | 4,976 |
| 93.079 | 3600 | AMERICAN PSYCHOLOGICAL ASSOCIATION | 903402UWASH | 136,136 |
| 93.080 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 12047SCAM02 | 1,711 |
| 93.080 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 12047SCAM03 | 3,954 |
| 93.084 | 3600 | UNIVERSITY OF NEW YORK - ALBANY | 1170701392448AM05 | 60,234 |
| 93.084 | 3600 | UNIVERSITY OF NEW YORK - ALBANY | 395509 | 140,872 |
| 93.084 | 3600 | UNIVERSITY OF NEW YORK - ALBANY | 493075 | 43,206 |
| 93.084 | 3600 | UNIVERSITY OF NEW YORK - ALBANY | 496352 | 109,139 |
| 93.087 | 3650 | CATHOLIC CHARITIES OF SPOKANE | 132359001 | 89,313 |
| 93.103 | 3030 | AFDO | N/A | 15,617 |
| 93.103 | 3030 | Association Of Food & Drug Officials | G-2211-03621 | 33,744 |
| 93.103 | 3030 | Association Of Food & Drug Officials | G-2303-03969 | 3,340 |
| 93.103 | 3030 | Association Of Food & Drug Officials | G-SE-2204-03345 | 22,186 |
| 93.103 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12439SUBAM02 | 14,381 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.103 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12512SUBMOD02 | 21,499 |
| 93.103 | 3600 | UNIVERSITY OF ROCHESTER | SUB00000226URFAOGR5318 | 21,889 |
| 93.103 | 3600 | UNIVERSITY OF ROCHESTER | SUB00000445URFAOGR5329 | 64,945 |
| 93.110 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1557GZC461 | 28,686 |
| 93.110 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1920GWA101AM04 | 486 |
| 93.110 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1920GWA101AM05 | 23,584 |
| 93.110 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 13517SC | 2,471 |
| 93.113 | 3600 | BOSTON UNIVERSITY | 4500002762AM04 | 22,058 |
| 93.113 | 3600 | COLUMBIA UNIVERSITY | 1GG01304701AM04 | 16,785 |
| 93.113 | 3600 | NORTIS INC | UW2020082001AM02 | -6,368 |
| 93.113 | 3600 | NORTIS INC | UW2020082001AM03 | 80,548 |
| 93.113 | 3600 | NORTIS, INC | UW2020082001AM03 | 22,720 |
| 93.113 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1021982UWA | 16,686 |
| 93.113 | 3600 | RESEARCH FOUNDATION FOR STATE UNIV OF NY | R1281337AM01 | 35,057 |
| 93.113 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12947SUB | 11,075 |
| 93.113 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 13053SUB | 6,021 |
| 93.113 | 3600 | SEQUOIA FOUNDATION | 9157UW01 | 13,609 |
| 93.113 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1553GZE171AM01 | 157,851 |
| 93.113 | 3600 | UNIVERSITY OF IOWA | S0146401AM03 | 316,100 |
| 93.113 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00010622AM05 | 29,494 |
| 93.113 | 3600 | UNIVERSITY OF NEBRASKA | 3419052249011AM03 | 29,461 |
| 93.113 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | 110056808AM04 | 42,543 |
| 93.113 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON00004419 | 31,801 |
| 93.113 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU18174MOD4AM04 | 93,970 |
| 93.113 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU20253MOD01 | 26,003 |
| 93.113 | 3600 | WESTAT INC | 671400S001AM03 | 104,763 |
| 93.113 | 3600 | YALE UNIVERSITY | GR104703CON80001507AM0 | 30,185 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.113 | 3650 | DL - ADV-TECH, LLC | 141566002 | 33,027 |
| 93.113 | 3650 | OREGON STATE UNIVERSITY | P0516AA | 110 |
| 93.113 | 3650 | OREGON STATE UNIVERSITY | P0516BA | 71,088 |
| 93.121 | 3600 | BRIGHAM AND WOMEN'S HOSPITAL | 121660AM03 | 126,439 |
| 93.121 | 3600 | CHILDREN'S HOSPITAL OF PHILADELPHIA | PO20437170AM1 | 83,287 |
| 93.121 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 234245AM01 | 2,730 |
| 93.121 | 3600 | PRAEVIVUM RESEARCH INC | UW667483 | 76,251 |
| 93.121 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12732SUBMOD02 | 3,073 |
| 93.121 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12999SUB | 10,788 |
| 93.121 | 3600 | THE FORSYTH INSTITUTE | UWASH0238102665AM06 | 80,951 |
| 93.121 | 3600 | THE FORSYTH INSTITUTE | UWASH0261862635AM005 | 5,204 |
| 93.121 | 3600 | THE FORSYTH INSTITUTE | UWASH0312742770AM01 | 21,342 |
| 93.121 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 13590SC | 139,235 |
| 93.121 | 3600 | UNIVERSITY OF IOWA | S0330001AM01 | 80,006 |
| 93.121 | 3600 | UNIVERSITY OF MASSACHUSETTS WORCESTER | SUB00000291 | 24,670 |
| 93.121 | 3600 | UNIVERSITY OF TEXAS SAN ANTONIO | 171865171864 | 13,603 |
| 93.127 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12676SUBPRIOR12428SUBM | 26,004 |
| 93.127 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 13000SUBMOD1 | 82,703 |
| 93.135 | 3600 | UNIVERSITY OF MASSACHUSETTS WORCESTER | SUB00000099 | 36,522 |
| 93.135 | 3600 | UNIVERSITY OF MASSACHUSETTS WORCESTER | SUB00000099AM02 | 88,543 |
| 93.136 | 3600 | OREGON HEALTH AUTHORITY | 173606 | 24,000 |
| 93.136 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00013121AM01 | 185,852 |
| 93.137 | 3650 | UNIVERSITY OF ARKANSAS MEDICAL SCIENCES | "55624 | 84,859 |
| 93.137 | 6990 | Snohomish Health District | 6123 | 32,273 |
| 93.142 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 2105GZA509AM03 | 291,481 |
| 93.153 | 3600 | HARBORVIEW MEDICAL CENTER | UW633542 | 4,763 |
| 93.155 | 3600 | JBS INTERNATIONAL INC | 02900HRSARCORPEVALWWAM | 786,902 |

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Note F: Supplemental Information for Pass-Through Funds

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.155 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5122884AM2 | 147,042 |
| 93.161 | 3600 | AMERICAN ACADEMY OF PEDIATRICS | 100316AM02 | 9,782 |
| 93.161 | 3600 | AMERICAN ACADEMY OF PEDIATRICS | PO100681 | 554 |
| 93.161 | 3600 | AMERICAN ACADEMY OF PEDIATRICS | PO100681AM01 | 47,246 |
| 93.161 | 3600 | AMERICAN ACADEMY OF PEDIATRICS | PO100797AM01 | 175,322 |
| 93.161 | 3600 | AMERICAN ACADEMY OF PEDIATRICS | PO101010AM02 | 229,920 |
| 93.172 | 3600 | BAYLOR COLLEGE OF MEDICINE | PO7000001243AM02 | 32,982 |
| 93.172 | 3600 | CARNEGIE MELLON UNIVERSITY | 1090708456851AM02 | 200,522 |
| 93.172 | 3600 | COLUMBIA UNIVERSITY | 5GG01308001 | 60,934 |
| 93.172 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255C6214609AM003 | 1,142 |
| 93.172 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255C6214609AM04 | 146,382 |
| 93.172 | 3600 | JACKSON LABORATORY | 210314052303AM03 | 568,889 |
| 93.172 | 3600 | JACKSON LABORATORY | 210368022306 | 99,031 |
| 93.172 | 3600 | JACKSON LABORATORY | 210368022415 | 33,570 |
| 93.172 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG209827UWAM042021444 | 14,013 |
| 93.172 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | OOS030229UWAM08 | -200 |
| 93.172 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | OOS030229UWAM12 | 6,233 |
| 93.172 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | UW684576 | 39,658 |
| 93.172 | 3600 | MATCHSTICK TECHNOLOGIES INC | A138585 | 37,058 |
| 93.172 | 3600 | MATCHSTICK TECHNOLOGIES INC | A138585AM05 | 58,800 |
| 93.172 | 3600 | MATCHSTICK TECHNOLOGIES INC | A187626 | 168,823 |
| 93.172 | 3600 | NORTHEASTERN UNIVERSITY | 50082978051 | 155,704 |
| 93.172 | 3600 | SOUTHCENTRAL FOUNDATION | 2021411AM04 | 678 |
| 93.172 | 3600 | STANFORD UNIVERSITY | 62305015135394AM03 | 177,866 |
| 93.172 | 3600 | UNIVERSITY OF CALIFORNIA BERKELEY | 00010386AM01 | 3,110 |
| 93.172 | 3600 | UNIVERSITY OF CALIFORNIA BERKELEY | 00010386AM03 | 43,859 |
| 93.172 | 3600 | UNIVERSITY OF CALIFORNIA SANTA CRUZ | A200450S005P0727662AM0 | 485,025 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.172 | 3600 | UNIVERSITY OF CALIFORNIA SANTA CRUZ | A210187S001POP0753656A | 69,572 |
| 93.172 | 3600 | UNIVERSITY OF MIAMI | OS00001098 | 228,451 |
| 93.172 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5124212AM01 | 25,827 |
| 93.172 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5127823AM2 | 7,396 |
| 93.172 | 3600 | UNIVERSITY OF PENNSYLVANIA | 584857AM01 | 89,114 |
| 93.172 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | 131153455AM02 | 26,623 |
| 93.172 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC100326AM01 | 305,009 |
| 93.172 | 3650 | UNIVERSITY OF ALABAMA | "000525321002 | 74,410 |
| 93.173 | 3600 | ARIZONA STATE UNIVERSITY | ASUB00001274AM01 | 9,851 |
| 93.173 | 3600 | BOSTON UNIVERSITY | 4500004019AM001 | 157,709 |
| 93.173 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001120511 | 40,919 |
| 93.173 | 3600 | NORTHWESTERN UNIVERSITY | SP0034193PROJ0009132AM | 16,606 |
| 93.173 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1017309UWAAM002 | 12,751 |
| 93.173 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1019479UW | 81,610 |
| 93.173 | 3600 | RESEARCH FOUNDATION OF CUNY | CM0000882200 | 6,635 |
| 93.173 | 3600 | TEL AVIV UNIVERSITY | 0601146324AM03 | -14 |
| 93.173 | 3600 | TEL AVIV UNIVERSITY | 0601146325AM05 | 206,287 |
| 93.173 | 3600 | TEMPLE UNIVERSITY | 260885UWAM03 | 42,169 |
| 93.173 | 3600 | UNIVERSITY OF ROCHESTER | 417738GURFAOGR511053AM | 101,467 |
| 93.173 | 3600 | UNIVERSITY OF TEXAS DALLAS | 2109403POS339385AM02 | 32,986 |
| 93.173 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU1845MOD7AM07 | 34,594 |
| 93.197 | 3600 | IDAHO DEPARTMENT OF HEALTH AND WELFARE | HC317500 | 42,917 |
| 93.213 | 3600 | 2MORROW | 4R44AT01159302 | 145,534 |
| 93.213 | 3600 | DUKE UNIVERSITY | 303000821 | 24,757 |
| 93.213 | 3600 | DUKE UNIVERSITY | A032242AM03 | 3,793 |
| 93.213 | 3600 | DUKE UNIVERSITY | A032242AM5 | 71,321 |

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|-------------------------------|-------------------------|--------------------------------------|--------------------------------------|---------------------------|
| 93.213 | 3600 | DUKE UNIVERSITY | A035392 | 4,254 |
| 93.213 | 3650 | OREGON HEALTH & SCIENCES UNIVERSITY | "1022162_WSU | 28,732 |
| 93.213 | 3650 | STANFORD UNIVERSITY | "62266166139496 | 106,954 |
| 93.226 | 3600 | BRIGHAM AND WOMEN'S HOSPITAL | 127946 | 121,475 |
| 93.226 | 3600 | BROWN UNIVERSITY | 00001745AM03 | 39,483 |
| 93.226 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211586BUDG04UW | 39,518 |
| 93.226 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211586BUDG05UWAM01 | 61,123 |
| 93.226 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211909UW | 18,998 |
| 93.226 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211909UWAM01 | 5,116 |
| 93.226 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210906BUDG04UW | 42,855 |
| 93.226 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210906BUDG05UW | 110,955 |
| 93.226 | 3600 | UNIVERSITY OF CALIFORNIA SAN DIEGO | 706002AM001 | 106,199 |
| 93.231 | 3600 | NW PORTLAND AREA INDIAN HEALTH BOARD | C2237AM02 | 99,917 |
| 93.233 | 3600 | BRIGHAM AND WOMEN'S HOSPITAL | 126816AM01 | 23,425 |
| 93.233 | 3600 | SRI INTERNATIONAL INC | PO41897AM03 | 38,344 |
| 93.233 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | "A190461S002 | -800 |
| 93.236 | 3600 | MONTANA DEPARTMENT OF PUBLIC HEALTH | 19255010690AM03 | 24,380 |
| 93.236 | 3600 | MONTANA DEPARTMENT OF PUBLIC HEALTH | 23255010690 | 113,111 |
| 93.242 | 3600 | 3C INSTITUTE | 3C202201 | 50,934 |
| 93.242 | 3600 | ALLEN INSTITUTE | 20200613AM01 | 62,952 |
| 93.242 | 3600 | ALLEN INSTITUTE | 20200613AM03 | 137,086 |
| 93.242 | 3600 | ALLEN INSTITUTE | 20210606AM01 | 120,421 |
| 93.242 | 3600 | ALLEN INSTITUTE | 20210747AM02 | 204,196 |
| 93.242 | 3600 | ALLEN INSTITUTE | 20220630 | 176,706 |
| 93.242 | 3600 | ALLEN INSTITUTE | 20220630AM01 | 357,577 |
| 93.242 | 3600 | BOSTON UNIVERSITY | 4500004584 | 101,254 |
| 93.242 | 3600 | BRIGHAM AND WOMEN'S HOSPITAL | 122074AM03 | 10,373 |
| 93.242 | 3600 | BROWN UNIVERSITY | 00001791AM01 | 15,376 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.242 | 3600 | CASE WESTERN RESERVE UNIVERSITY | RES515454AM02 | 87,166 |
| 93.242 | 3600 | CHILDREN'S HOSPITAL LOS ANGELES | 000014266A | 18,252 |
| 93.242 | 3600 | CHILDREN'S HOSPITAL LOS ANGELES | 000014266AAM01 | 90,793 |
| 93.242 | 3600 | DUKE UNIVERSITY | A032074AM05 | 47,359 |
| 93.242 | 3600 | EMORY UNIVERSITY | A613986AM1 | 21,216 |
| 93.242 | 3600 | GEISINGER CENTER FOR HEALTH RESEARCH | 626514UOW04AM05 | 75,522 |
| 93.242 | 3600 | GEISINGER CENTER FOR HEALTH RESEARCH | UW637661 | 16,292 |
| 93.242 | 3600 | GEISINGER CLINIC | 626514UOW04AM05 | 282,914 |
| 93.242 | 3600 | GEISINGER CLINIC | 626514UW04S3AM3 | 37,146 |
| 93.242 | 3600 | GEISINGER CLINIC | UW637661 | 47,150 |
| 93.242 | 3600 | HARVARD UNIVERSITY | 15340251110110002MOD02 | 637,214 |
| 93.242 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211557UW | 11,735 |
| 93.242 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211557UWAM02 | 106,640 |
| 93.242 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211559UWAM01 | 35,493 |
| 93.242 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211559UWAM03 | 73,226 |
| 93.242 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211561UW | 17,796 |
| 93.242 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211561UWAM02 | 121,139 |
| 93.242 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG212027UW | 9,260 |
| 93.242 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210241BUDG01UW01AM0 | 106,023 |
| 93.242 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG211776UW | 38,417 |
| 93.242 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG211929UWAM02 | 6,465 |
| 93.242 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG211941UWAM01 | 24,497 |
| 93.242 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG212110UWAM01 | 19,756 |
| 93.242 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE, A DIVISION OF KAISER FOUNDATION HOSPITALS | RNG210241BUDG01UW01AM | 8,514 |
| 93.242 | 3600 | LYSSNIO INC | 123215UW02 | 243,003 |
| 93.242 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 242599 | 64,372 |
| 93.242 | 3600 | MCLEAN HOSPITAL | 401664AM01 | 257 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.242 | 3600 | MCLEAN HOSPITAL | 401664AM02 | 376,623 |
| 93.242 | 3600 | MCLEAN HOSPITAL | 401664AM03 | 71,001 |
| 93.242 | 3600 | NEUROLUX | UW631055 | 30,609 |
| 93.242 | 3600 | NEUROLUX | UW667839 | 103,421 |
| 93.242 | 3600 | NEW YORK UNIVERSITY SCHOOL OF MEDICINE | 22A0001007616AM01 | 24,227 |
| 93.242 | 3600 | PORTLAND STATE UNIVERSITY | 100156AM03 | 7,767 |
| 93.242 | 3600 | SAN DIEGO STATE UNIVERSITY RSCH FNDN | D919803SA951A05A945A78 | 50,639 |
| 93.242 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12185SUBMOD04 | 49,256 |
| 93.242 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12376SUBAM01 | 4,707 |
| 93.242 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12662SUBMOD01 | 59,825 |
| 93.242 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12724SUBMOD01 | 171,676 |
| 93.242 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | CE21SAMSTC1SIBCR | 4,474 |
| 93.242 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | CE21UW4AM02 | 21,257 |
| 93.242 | 3600 | SHIFA TAMEER-E-MILLAT UNIVERSITY | 2022100101 | 2,480 |
| 93.242 | 3600 | STANFORD UNIVERSITY | 62723866144480AM01 | 32,431 |
| 93.242 | 3600 | STANFORD UNIVERSITY | 62825646144480AM01 | 122,520 |
| 93.242 | 3600 | SWEDISH HEALTH SERVICES | 223004B01AM06 | 3,609 |
| 93.242 | 3600 | TALKSPACE | AM01 | 332,281 |
| 93.242 | 3600 | TOPOGENE INC | UW687527 | 52,006 |
| 93.242 | 3600 | UNIVERSITY OF CALIFORNIA IRVINE | 20193804AM02 | 500,000 |
| 93.242 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 2000GWE286AM03 | 159,061 |
| 93.242 | 3600 | UNIVERSITY OF CALIFORNIA SAN DIEGO | KR705212AM01 | 140,290 |
| 93.242 | 3600 | UNIVERSITY OF COLORADO | FY21930001FY22930004AM | 85,609 |
| 93.242 | 3600 | UNIVERSITY OF MINNESOTA | A006759602AM06 | 36,368 |
| 93.242 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5111740AM03 | 6,251 |
| 93.242 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5115684AM03 | 2,989 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.242 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5124471AM01 | 16,644 |
| 93.242 | 3600 | UNIVERSITY OF TEXAS AUSTIN | UTAUSSUB00000385AM1 | 19,831 |
| 93.242 | 3600 | UNIVERSITY OF UTAH | 1006129802UWAM1 | 153,550 |
| 93.242 | 3600 | UNIVERSITY OF VIRGINIA | GB10691PO2133382AM04 | 7,160 |
| 93.242 | 3600 | VIRGINIA COMMONWEALTH UNIVERSITY | FP00011780SA003AM02 | 27,729 |
| 93.242 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU18449MOD5 | 27,693 |
| 93.242 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU19307MOD5 | 33,202 |
| 93.242 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU19408MOD3 | 311,228 |
| 93.242 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU19409MOD3 | 6,890 |
| 93.242 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU20497MOD2 | 99,590 |
| 93.242 | 3600 | YALE UNIVERSITY | CON80003878GR117213AM0 | 893,320 |
| 93.242 | 3650 | UNIVERSITY OF COLORADO | "FY18001018 | 168,347 |
| 93.243 | 1070 | Transform TFR Initiative Grant (NSAMHPD) | HHSS283201200024I/75S2 | 280,000 |
| 93.243 | 3600 | CONFEDERATED TRIBES AND BANDS OF YAKAMA | UW638667 | 247,912 |
| 93.243 | 3600 | JOHNS HOPKINS UNIVERSITY | 2004352474AM03 | 11,717 |
| 93.243 | 3600 | MONTANA DEPARTMENT OF PUBLIC HEALTH | 18102745160AM04 | 1,343 |
| 93.243 | 3600 | RTI INTERNATIONAL | 4312021718665733LMOD05 | 202,310 |
| 93.243 | 3600 | UNIVERSITY OF MISSOURI KANSAS CITY | 0011857500079829 | 277,611 |
| 93.243 | 3600 | UNIVERSITY OF MISSOURI KANSAS CITY | 0012188600081904AM2 | 4,027 |
| 93.243 | 3650 | ADELPHI UNIVERSITY | "SM085102WSU23 | 8,416 |
| 93.243 | 3650 | NE WA EDUCATIONAL SERVICE DISTRICT 101 | "143475001 | 1,865 |
| 93.243 | 3700 | Council on Social Work Education Inc | CSWE-71790 | 86 |
| 93.262 | 3600 | OHIO STATE UNIVERSITY | SPC1000007189GR129302 | 11,874 |
| 93.262 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1019570UWA | 8,013 |
| 93.262 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1019570UWAAM01 | 16,360 |
| 93.262 | 3600 | THE CENTER FOR CONSTRUCTION | 30011310AM01 | 22,679 |
| 93.262 | 3600 | THE CENTER FOR CONSTRUCTION | 30011410AM01 | 177,237 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.262 | 3650 | THE CENTER FOR CONSTRUCTION RESEARCH AND TRAINING | "3001110301 | -45 |
| 93.266 | 3600 | UNIVERSITY OF PENNSYLVANIA | 582025AM01 | 33,216 |
| 93.273 | 3600 | BOSTON MEDICAL CENTER | 5207UWASH05NCEA3AM003 | 10,535 |
| 93.273 | 3600 | BOSTON MEDICAL CENTER | 6523UWASH01 | 15,816 |
| 93.273 | 3600 | BOSTON MEDICAL CENTER | 7584PO100250561AM002 | 26,309 |
| 93.273 | 3600 | COLUMBIA UNIVERSITY | 2GG01720401POG15741AM1 | 32,048 |
| 93.273 | 3600 | EMORY UNIVERSITY | A482233AM08 | -1 |
| 93.273 | 3600 | EMORY UNIVERSITY | A500607 | 32 |
| 93.273 | 3600 | EMORY UNIVERSITY | A733286 | 68,862 |
| 93.273 | 3600 | GEORGIA STATE UNIVERSITY | SP0001494702AM01 | 56,010 |
| 93.273 | 3600 | JOHNS HOPKINS UNIVERSITY | 2005307204 | 32,994 |
| 93.273 | 3600 | JOHNS HOPKINS UNIVERSITY | 2005307204AM01 | 161,658 |
| 93.273 | 3600 | JOHNS HOPKINS UNIVERSITY | 2005466982 | 89,022 |
| 93.273 | 3600 | JOHNS HOPKINS UNIVERSITY | 2005466982AM1 | 204,859 |
| 93.273 | 3600 | JOHNS HOPKINS UNIVERSITY | 2005638482 | 53,023 |
| 93.273 | 3600 | PACIFIC INTS FOR RSCH AND EVALUATION | 1031MOD02 | 59,979 |
| 93.273 | 3600 | RHODE ISLAND HOSPITAL | 7017137290AM05 | 11,084 |
| 93.273 | 3600 | RHODE ISLAND HOSPITAL | 70171375971AM02 | 4,396 |
| 93.273 | 3600 | RUTGERS THE STATE UNIV OF NEW JERSEY | SUB00002521 | 18,658 |
| 93.273 | 3600 | SAN DIEGO STATE UNIVERSITY FOUNDATION | D994403SA640A559355E7 | 476 |
| 93.273 | 3600 | SAN DIEGO STATE UNIVERSITY RSCH FNDN | D994403SA640A559355E78 | 20,640 |
| 93.273 | 3600 | SAN DIEGO STATE UNIVERSITY RSCH FNDN | SA0000640AM005 | 765 |
| 93.273 | 3600 | SCRIPPS RESEARCH INSTITUTE | 554169AM04 | 7,396 |
| 93.273 | 3600 | SCRIPPS RESEARCH INSTITUTE | 555002 | 6,041 |
| 93.273 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ13KELLYM1SIBCRM0D1 | 8,854 |
| 93.273 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ13KELLYM2SIBCR | 44,271 |
| 93.273 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ13NJ11SIBCRM0D2 | 1,412 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.273 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ13NJ12SIBCR | 17,061 |
| 93.273 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ13SCSG31SIBCR | 2,899 |
| 93.273 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ13SCSG32SIBCR | 11,955 |
| 93.273 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ13WILLIR2SIBCR | 5,947 |
| 93.273 | 3600 | STATE UNIVERSITY OF NEW YORK BINGHAMTON | 91395UNIVOFWASHINGTONA | 21,737 |
| 93.273 | 3600 | UNIVERSITY OF KENTUCKY RESEARCH FNDN | 320000508723091 | 4,981 |
| 93.273 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00014818AM01 | -15 |
| 93.273 | 3600 | UNIVERSITY OF NEBRASKA | 2405520007002 | 13,888 |
| 93.273 | 3600 | UNIVERSITY OF NEW MEXICO | 028400874JAM004 | 38,488 |
| 93.273 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5124241 | 26,866 |
| 93.273 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5127059 | 5,118 |
| 93.273 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5127063 | 3,412 |
| 93.273 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5127495AM01 | 12,787 |
| 93.273 | 3600 | UNIVERSITY OF NORTH TEXAS HSC | RF0012320180189AM06 | 6,894 |
| 93.273 | 3600 | UNIVERSITY OF NORTH TEXAS HSC | RF0012320180189AM07 | 56,013 |
| 93.273 | 3600 | UNIVERSITY OF NORTH TEXAS HSC | RF0014320180407AM04 | 69,119 |
| 93.273 | 3600 | UNIVERSITY OF NORTH TEXAS HSC | RF0022520210283AM3 | 22,026 |
| 93.273 | 3650 | UNIVERSITY OF CALIFORNIA - SAN FRANCISCO | "10532SC | 7,676 |
| 93.279 | 1070 | Stanford University | R01DA052975 | 57,446 |
| 93.279 | 3600 | ALLEN INSTITUTE | 20210469AMO2 | 59,118 |
| 93.279 | 3600 | BRANDEIS UNIVERSITY | GR403953UWAM03 | 28,923 |
| 93.279 | 3600 | BROWN UNIVERSITY | 00001314AM03 | 875 |
| 93.279 | 3600 | CONSUMER WELLNESS SOLUTIONS INC | 052020ADDENDUMNO2AM02 | 73,755 |
| 93.279 | 3600 | CONSUMER WELLNESS SOLUTIONS INC | 052020AM02 | 2,033 |
| 93.279 | 3600 | EMORY UNIVERSITY | T855321AM055R01DA04561 | 38,431 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.279 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG210129UWAM03 | 26,724 |
| 93.279 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG210129UWAM04 | 12,419 |
| 93.279 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210715UW01AM01 | 11,315 |
| 93.279 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210715UW01AM02 | 6,209 |
| 93.279 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210930UWILLIAMSAM0 | 12,724 |
| 93.279 | 3600 | MEDICAL UNIVERSITY OF SOUTH CAROLINA | A000322S004AM01 | 17,770 |
| 93.279 | 3600 | MIRIAM HOSPITAL | 7147185HEJ | 1,785 |
| 93.279 | 3600 | NEW YORK UNIVERSITY | 2000001005210AM01 | 22,536 |
| 93.279 | 3600 | NEW YORK UNIVERSITY SCHOOL OF MEDICINE | 2000001005210AM01 | 8,298 |
| 93.279 | 3600 | NEW YORK UNIVERSITY SCHOOL OF MEDICINE | 2000001005210AM02 | 26,199 |
| 93.279 | 3600 | NORTHWESTERN UNIVERSITY | 60062766UWASH | 7,929 |
| 93.279 | 3600 | OREGON SOCIAL LEARNING CENTER INC | AM05 | 16,818 |
| 93.279 | 3600 | RESEARCH FNDN FOR MENTAL HYGIEN | PO155581AM02 | 377,885 |
| 93.279 | 3600 | SAINT LOUIS UNIVERSITY | ERS2198744197AM04 | 101,315 |
| 93.279 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12750SUBMOD02 | 80,141 |
| 93.279 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12902SUB | 104,667 |
| 93.279 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ12BERGKD1SIBCRM01 | 726 |
| 93.279 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ12BERGKD2SIBCR | 71,478 |
| 93.279 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ12KELLYM2SIBCR | 77,444 |
| 93.279 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ12NJ11SIBCRM01 | 166 |
| 93.279 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ12NJ12SIBCRM01 | 20,345 |
| 93.279 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ12RANSOS2SIBCR | 1,561 |
| 93.279 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ12RIEGEN1SIBCRM01 | 488 |
| 93.279 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ12RIEGEN2SIBCR | 41,804 |
| 93.279 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | NJ12SCSG32SIBCR | 29,316 |
| 93.279 | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000517103SC003AMA04 | 119,684 |
| 93.279 | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000536334SC003 | 76,154 |
| 93.279 | 3600 | UNIVERSITY OF BRITISH COLUMBIA | GR01325220R02581AM02 | 31,546 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.279 | 3600 | UNIVERSITY OF MARYLAND BALTIMORE | 19914REQUEST2698AM01 | 57,231 |
| 93.279 | 3600 | UNIVERSITY OF MINNESOTA | D010059602 | 34,626 |
| 93.279 | 3600 | UNIVERSITY OF MINNESOTA | N008205101AM01 | 22,029 |
| 93.279 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON00002498AM02 | 15,844 |
| 93.279 | 3600 | UNIVERSITY OF TENNESSEE | 230533AM03 | 18,778 |
| 93.279 | 3600 | UNIVERSITY OF TEXAS DALLAS | 22010291AM01 | 235,155 |
| 93.279 | 3600 | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL | GMO230918PO0000002777 | 346,974 |
| 93.279 | 3600 | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL | GMO230918PO0000002777A | 202,177 |
| 93.279 | 3600 | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER | GMO230918PO0000002777 | 36,738 |
| 93.279 | 3600 | VIRGINIA POLYTECHNIC INST AND STATE UNIV | 41251319124AM01 | 337,419 |
| 93.279 | 3600 | WAKE FOREST UNIVERSITY | 3124512010000550092AM0 | -5,005 |
| 93.279 | 3600 | WEILL MEDICAL COLLEGE OF CORNELL UNIV | 2203981AM02 | -24,311 |
| 93.279 | 3600 | WEILL MEDICAL COLLEGE OF CORNELL UNIV | 2274511AM03 | 43,745 |
| 93.279 | 3600 | YALE UNIVERSITY | CON80003828GR117123AM | 131,017 |
| 93.279 | 3600 | YALE UNIVERSITY | CON80003828GR117123AM0 | -12,570 |
| 93.279 | 3600 | YALE UNIVERSITY | CON80004014GR118359AM0 | 218,797 |
| 93.279 | 3600 | YALE UNIVERSITY | CON80004215GR119404AM0 | 90,292 |
| 93.279 | 3650 | LEGACY HEALTH SYSTEM | "BS202301 | 10,817 |
| 93.279 | 3650 | MAYO CLINIC | "WAS297565 | 20,362 |
| 93.279 | 3650 | STANFORD UNIVERSITY | "62930019146563 | 123,817 |
| 93.279 | 3650 | UNIVERSITY OF CALIFORNIA - SAN FRANCISCO | "11725SC | 9,100 |
| 93.279 | 3650 | UNIVERSITY OF CALIFORNIA - SAN FRANCISCO | "12539SC | 6,576 |
| 93.279 | 3650 | UNIVERSITY OF CINCINNATI | "011130003 | 17,010 |
| 93.279 | 3650 | UNIVERSITY OF MASSECHUSETTS | "SUB00000164 | 1,944 |
| 93.279 | 3650 | UNIVERSITY OF NEW MEXICO | "3RGH5C | 77,669 |
| 93.283 | 3650 | TASK FORCE FOR GLOBAL HEALTH | "139903004 | 43,054 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.286 | 3600 | EMORY UNIVERSITY | A454269AM01 | 104,182 |
| 93.286 | 3600 | EMORY UNIVERSITY | A580773 | 18,485 |
| 93.286 | 3600 | EMORY UNIVERSITY | A580773AM01 | 96,962 |
| 93.286 | 3600 | JOHNS HOPKINS UNIVERSITY | 177701 | 49,763 |
| 93.286 | 3600 | JOHNS HOPKINS UNIVERSITY | 2004999881AM02 | 39,344 |
| 93.286 | 3600 | NEUROLUX | UW667397 | 33,834 |
| 93.286 | 3600 | PRECISION SENSING LLC | AM02 | 39,359 |
| 93.286 | 3600 | UNIVERSITY OF ARIZONA | 590063AM2 | 141,762 |
| 93.286 | 3600 | UNIVERSITY OF MINNESOTA | A008521201AM1REV | 160,218 |
| 93.300 | 3600 | UNIVERSITY OF MINNESOTA | P010074161 | 41,133 |
| 93.307 | 3600 | BOSTON MEDICAL CENTER | 0202UW05386AM01 | 4,699 |
| 93.307 | 3600 | BOSTON UNIVERSITY | 4500003777AM02 | 3,133 |
| 93.307 | 3600 | BROWN UNIVERSITY | 00002096AM1 | 14,364 |
| 93.307 | 3600 | BROWN UNIVERSITY | 00002251AM01 | 8,375 |
| 93.307 | 3600 | DUKE UNIVERSITY | 303000172AM01 | 47,251 |
| 93.307 | 3600 | DUKE UNIVERSITY | 303000924 | 110,085 |
| 93.307 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210374UW02AM02 | 29,486 |
| 93.307 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12723SUBMOD03 | 99,187 |
| 93.307 | 3600 | SEATTLE CHILDREN'S HOSPITAL | UW660430 | 140,512 |
| 93.307 | 3600 | SEATTLE CHILDREN'S HOSPITAL RESEARCH INSTITUTE | 12723SUBMOD03 | 6,042 |
| 93.307 | 3600 | SEATTLE CHILDREN'S HOSPITAL RESEARCH INSTITUTE | UW660430 | 19,058 |
| 93.307 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1920GXA148AM03 | 24,338 |
| 93.307 | 3600 | UNIVERSITY OF IOWA | S0342001AM01 | 12,520 |
| 93.307 | 3600 | UNIVERSITY OF MASSACHUSETTS WORCESTER | OSP2017201AM06 | 29,881 |
| 93.307 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00016457AM01 | 10,704 |
| 93.307 | 3600 | UNIVERSITY OF PENNSYLVANIA | 577433AM05 | 81,339 |
| 93.307 | 3600 | UNIVERSITY OF PENNSYLVANIA | 583611AM01 | 92,207 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.307 | 3650 | OKLAHOMA STATE UNIVERSITY | "A220004S002 | 85,566 |
| 93.307 | 3650 | UNIVERSITY OF COLORADO | "FY18001024 | 222,589 |
| 93.307 | 3650 | UNIVERSITY OF COLORADO DENVER | "FY001031 | 6,052 |
| 93.307 | 3650 | UNIVERSITY OF COLORADO DENVER | "FY21001030 | 9,138 |
| 93.307 | 3650 | UNIVERSITY OF COLORADO DENVER | "FY22.1146.002 | 39,479 |
| 93.310 | 3600 | ALBERT EINSTEIN COLLEGE OF MEDICINE | 312044AM04 | 10,632 |
| 93.310 | 3600 | ALBERT EINSTEIN COLLEGE OF MEDICINE | 312228AM05 | 29,818 |
| 93.310 | 3600 | CALIFORNIA INSTITUTE OF TECHNOLOGY | S408790AM004 | -178,726 |
| 93.310 | 3600 | DREXEL UNIVERSITY | 900168AMO7 | 65,759 |
| 93.310 | 3600 | DREXEL UNIVERSITY | 900244AM08 | 119,817 |
| 93.310 | 3600 | DUKE UNIVERSITY | 303001154 | 27,549 |
| 93.310 | 3600 | DUKE UNIVERSITY | A035261 | 9,071 |
| 93.310 | 3600 | MEDICAL COLLEGE OF WISCONSIN | PO623517538A | 335,252 |
| 93.310 | 3600 | STANFORD UNIVERSITY | 62984393248018 | 7,966 |
| 93.310 | 3600 | UNIVERSITY OF UTAH | 1005478202UWAM02 | 308,976 |
| 93.310 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000002440 | 65,925 |
| 93.310 | 3600 | WITS HEALTH CONSORTIUM (PTY) LTD | 220419001 | 3,318 |
| 93.310 | 3600 | WITS HEALTH CONSORTIUM (PTY) LTD | 220419001AM01 | 140,159 |
| 93.310 | 3650 | DUKE UNIVERSITY | "303001184 | 9,952 |
| 93.310 | 3650 | DUKE UNIVERSITY | "303001261 | 3,744 |
| 93.318 | 3600 | CHILDREN'S HOSPITAL OF PHILADELPHIA | GRT000021890923 | 44,021 |
| 93.318 | 3600 | JHPIEGO CORPORATION | 23SBA267 | 41,679 |
| 93.318 | 3650 | ASSOCIATION OF AMERICAN MEDICAL COLLEGES | "GT3202107 | 40,052 |
| 93.322 | 3600 | ASSOC OF PUBLIC HEALTH LABORATORIES INC | 564012505262305AM01 | 241,414 |
| 93.350 | 3600 | ALTIS BIOSYSTEMS INC | UW664714 | 280,349 |
| 93.350 | 3600 | CROSSLIFE TECHNOLOGIES INC | UW669521 | 288,208 |
| 93.350 | 3600 | JOHNS HOPKINS UNIVERSITY | 2005069333AM01 | -188 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.350 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12663SUB | 2,206 |
| 93.350 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12880SUB | 22,154 |
| 93.350 | 3600 | UNIVERSITY OF COLORADO | FY221126015AM03 | 41,487 |
| 93.350 | 3600 | UNIVERSITY OF PITTSBURGH | AWD000061711384872 | 155,735 |
| 93.350 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU230355MOD01 | 96,298 |
| 93.351 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1021707UW | 3,838 |
| 93.353 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001091776 | -1,200 |
| 93.353 | 3600 | SLOAN KETTERING INST FOR CANCER RESEARCH | C21868057AM06 | 53,106 |
| 93.358 | 6990 | League for Innov in the Comm Coll | 87728 | 0 |
| 93.361 | 3600 | BAYLOR COLLEGE OF MEDICINE | 7000000671AM05 | 207,564 |
| 93.361 | 3600 | BAYLOR COLLEGE OF MEDICINE | 7000001179AM02 | 9,923 |
| 93.361 | 3600 | BAYLOR COLLEGE OF MEDICINE | 7000001179AM3 | 9,847 |
| 93.361 | 3600 | CASE WESTERN RESERVE UNIVERSITY | RES516447AM01 | 8,806 |
| 93.361 | 3600 | CLEVELAND CLINIC FOUNDATION | CCF23314268 | 57,206 |
| 93.361 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255E1114609AM01 | 3,726 |
| 93.361 | 3600 | RUSH UNIVERSITY MEDICAL CENTER | 22010705SUB02 | 8,188 |
| 93.361 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12523SUBMOD01 | 2,309 |
| 93.361 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12695SUBAM01 | 18,427 |
| 93.361 | 3600 | SOUTHCENTRAL FOUNDATION | 2022394AM01 | 13,858 |
| 93.361 | 3650 | UNIVERSITY OF ORTH CAROLINA CHAPEL HILL | "5106247 | 3,706 |
| 93.387 | 3800 | Emory University | A701180 | 89,479 |
| 93.393 | 3600 | ARIZONA STATE UNIVERSITY | 17093AM07 | 2,247 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110006 | 3,209 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110334 | 6,780 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001112846 | 8,628 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001119473AM1 | 78,297 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001124896AM01 | 24,354 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001126857 | 241,944 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001126923 | 9,083 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001128477 | 12,761 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001134124 | 35,473 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001134550 | 31,612 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001150154 | 7,354 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001112846 | 23,632 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110006 | 4,749 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110334 | 10,055 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001124896AM01 | 7,071 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001126923 | 2,284 |
| 93.393 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001128477 | 3,839 |
| 93.393 | 3600 | GEORGETOWN UNIVERSITY | 425074GR413943UW | 35,739 |
| 93.393 | 3600 | INTERNATIONAL AGENCY FOR RSCH ON CANCER | CRASCR202110 | 3,744 |
| 93.393 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210178UWAM05 | 109,254 |
| 93.393 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG211580UW | 9,221 |
| 93.393 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG211580UWAM02 | 109,630 |
| 93.393 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG211637UW | 4,283 |
| 93.393 | 3600 | LIGHTSPEED MICROSCOPY LLC | AM01 | 78,195 |
| 93.393 | 3600 | OHIO STATE UNIVERSITY | SPC1000006686GR127438 | 27,711 |
| 93.393 | 3600 | OHIO STATE UNIVERSITY | SPC1000007321GR130873 | 20,463 |
| 93.393 | 3600 | PENNSYLVANIA STATE UNIVERSITY | UWCA237153AM05 | 52,108 |
| 93.393 | 3600 | RUTGERS THE STATE UNIV OF NEW JERSEY | SUB00002526 | 17,044 |
| 93.393 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | CK11SWE32SIBCR | 1,734 |
| 93.393 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | CK11WE33SIBCR | 2,316 |

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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
(Expressed in whole dollars)

| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.393 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | CK11WE34SIBCR | 11,136 |
| 93.393 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ116GJ14SIBCR | 11,045 |
| 93.393 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ116GJ15SIBCR | 2,159 |
| 93.393 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ116HERODM3SIBCR | 27,401 |
| 93.393 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ116UW4AM02 | 36,313 |
| 93.393 | 3600 | SEATTLE INSTITUTE FOR BIOMEDICAL AND CLINICAL RESEARCH (SIBCR) | GJ116UW4AM02 | 7,042 |
| 93.393 | 3600 | TALUS BIOSCIENCE | A167755 | 84,844 |
| 93.393 | 3600 | UNIVERSITY OF CALIFORNIA DAVIS | 20160369613A180177S004 | 7,976 |
| 93.393 | 3600 | UNIVERSITY OF CALIFORNIA DAVIS | A221534S011 | 260,854 |
| 93.393 | 3600 | UNIVERSITY OF CALIFORNIA IRVINE | 20231891 | 10,366 |
| 93.393 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1557GVC172AM07 | 177,906 |
| 93.393 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1557GWA025AM04 | 186,455 |
| 93.393 | 3600 | UNIVERSITY OF CALIFORNIA SANTA CRUZ | A200145S001P0726832AM0 | 1,698 |
| 93.393 | 3600 | UNIVERSITY OF CHICAGO | AWD102024SUB00000502AM | 11,518 |
| 93.393 | 3600 | UNIVERSITY OF DELAWARE | 44956AM06 | 19,011 |
| 93.393 | 3600 | UNIVERSITY OF IOWA | S0135401AM03 | 63,289 |
| 93.393 | 3600 | UNIVERSITY OF MINNESOTA | N008519501AM01 | 193,140 |
| 93.393 | 3600 | UNIVERSITY OF PITTSBURGH | AWD000006641328812AM03 | 7,381 |
| 93.393 | 3600 | UNIVERSITY OF UTAH | 1004305702AM07 | 152,490 |
| 93.393 | 3600 | UNIVERSITY OF VERMONT | AWD00000046SUB00000019 | 16,574 |
| 93.393 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000001490 | 4,904 |
| 93.393 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000001865 | 3,868 |
| 93.393 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000002424 | 22,822 |
| 93.393 | 3600 | WAKE FOREST UNIVERSITY | 3803204110000114410AM0 | 10,723 |
| 93.394 | 3600 | BAYLOR COLLEGE OF MEDICINE | PO7000000939AM04 | 31,916 |
| 93.394 | 3600 | BOSTON MEDICAL CENTER | 76215071UWASH03A3AM03 | 1,566 |
| 93.394 | 3600 | CITY OF HOPE | 637262011293669303 | 7,002 |

State of Washington
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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109989AM01 | 75,607 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110230AM01 | 21,072 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110231AM01 | 4,867 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110262 | 46,829 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110263 | 4,981 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110269 | 4,614 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110419 | 5,190 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001119691 | 33,122 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001120450AM01 | 1,084 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001126555AM01 | 246,252 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001126557 | 24,121 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001129932 | 45,117 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130627 | 8,155 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001131546 | 12,388 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001133478 | 47,076 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001134168 | 8,588 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001136315AM01 | 50,685 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110263 | 7,529 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110419 | 3,097 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001120450AM01 | 3,254 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110230AM01 | 17,170 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110231AM01 | 7,354 |
| 93.394 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110262 | 71,026 |
| 93.394 | 3600 | INSTITUTE FOR SYSTEMS BIOLOGY | 20210016AM01 | 72,594 |
| 93.394 | 3600 | INSTITUTE FOR SYSTEMS BIOLOGY | 20220011 | 26,752 |
| 93.394 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1018110UWAAM02 | 58,537 |

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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.394 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1018110UWAAM04 | 79,577 |
| 93.394 | 3600 | PET/X LLC | A147966A161226AM02 | 118,640 |
| 93.394 | 3600 | PRECISION SENSING LLC | A147966AM01 | 28,704 |
| 93.394 | 3600 | RHODE ISLAND HOSPITAL | 7137836 | 15,399 |
| 93.394 | 3600 | STANFORD UNIVERSITY | 62539499182191AM02 | 105,958 |
| 93.394 | 3600 | STANFORD UNIVERSITY | 62969778182562 | 5,080 |
| 93.394 | 3600 | TUFTS UNIVERSITY | NIH204AM1 | 99,719 |
| 93.394 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1557GVB811AM05 | 54,189 |
| 93.394 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11124SCAM03 | 8,460 |
| 93.394 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00013600AM01 | 64,921 |
| 93.394 | 3600 | VERAVANTI INC | A164794 | 215,997 |
| 93.394 | 3650 | TULANE UNIVERSITY | "TULHSC5585862021 | 30,179 |
| 93.394 | 3650 | TULANE UNIVERSITY | "TULHSC5606252223 | 97,289 |
| 93.394 | 3650 | TULANE UNIVERSITY | "TULHSC5609942223 | 27,718 |
| 93.395 | 3600 | ABACUS BIOSCIENCE | UW663295 | 123,365 |
| 93.395 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | 0129403S02 | 89,701 |
| 93.395 | 3600 | BIOMIMETIX JV, LLC | BMXMBM001AM02 | 20,150 |
| 93.395 | 3600 | ECOG-ACRIN MEDICAL RESEARCH FOUNDATION | U10CA1808200106WASH1CA | 10,846 |
| 93.395 | 3600 | ECOG-ACRIN MEDICAL RESEARCH FOUNDATION | U10CA18082006WASH1CAM4 | 5,114 |
| 93.395 | 3600 | ECOG-ACRIN MEDICAL RESEARCH FOUNDATION | U10CA18082006WASH2CAM0 | 10,017 |
| 93.395 | 3600 | ECOG-ACRIN MEDICAL RESEARCH FOUNDATION | U10CA18082009WASH3C | 16,228 |
| 93.395 | 3600 | EMMES CORPORATION | 13765MOD01 | 60,840 |
| 93.395 | 3600 | EMMES CORPORATION | 5UM1CA12194716MOD2 | 84,464 |
| 93.395 | 3600 | EMMES CORPORATION | UW665818 | 12,549 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001020248AM02 | -17,374 |

State of Washington
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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
(Expressed in whole dollars)

| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001102734 | -3,522 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109949 | 32,661 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110046 | 27,881 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110173 | -4,627 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110497 | 25,135 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001120564 | 2,599 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001124579 | 41,379 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001124766 | 27,536 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001125412 | 45,593 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001125412AM1 | 39,864 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001125910 | 7,411 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001127840 | 62,702 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130175 | 280,272 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001131243 | 8,694 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001131362 | 50,000 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001131481 | 5,237 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001135465AM01 | 8,625 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001142735 | 16,102 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001143014 | 111,418 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001143572 | 32,917 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001144264 | 9,402 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001125685 | 1,070 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001131482 | 108,272 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001077860 | -2,451 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001109962 | 4,171 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110497 | 79,156 |

State of Washington
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Note F: Supplemental Information for Pass-Through Funds

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.395 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001125412 | 10,694 |
| 93.395 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001131482 | 3,216 |
| 93.395 | 3600 | GEORGIA INSTITUTE OF TECHNOLOGY | AWD102398G1AM05PO50066 | 37,091 |
| 93.395 | 3600 | INST FOR CANCER RESEARCH | 1516300YR02MOD1AM1 | 4,729 |
| 93.395 | 3600 | INST FOR CANCER RESEARCH | 1516301 | 686 |
| 93.395 | 3600 | ITHAX PHARMACEUTICALS, INC. | A151430AM04 | 15,002 |
| 93.395 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 239887 | 32,647 |
| 93.395 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1013080UWACHIOREAN | 8,355 |
| 93.395 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 11539SUBMOD06 | 1,870 |
| 93.395 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12740SUBMOD3 | 18,762 |
| 93.395 | 3600 | VEANA THERAPEUTICS | A147165AM01 | 45,021 |
| 93.395 | 3650 | SEATTLE CHILDREN'S RESEARCH | "11515SUB | 533 |
| 93.396 | 3600 | BETH ISRAEL DEACONESS MEDICAL CENTER | 01063973AM03 | 63,696 |
| 93.396 | 3600 | BETH ISRAEL DEACONESS MEDICAL CENTER | GRT65240AM04 | 64,884 |
| 93.396 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110445 | 4,152 |
| 93.396 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001133041 | 171,113 |
| 93.396 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001135299 | 15,101 |
| 93.396 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110445 | 128,377 |
| 93.396 | 3600 | NEW YORK UNIVERSITY SCHOOL OF MEDICINE | 18A1001000999AM06 | 121,141 |
| 93.396 | 3600 | OHIO STATE UNIVERSITY | 60068579AM03 | 35,196 |
| 93.396 | 3600 | STANFORD UNIVERSITY | 62435605142396AM03 | 7,937 |
| 93.396 | 3600 | THOMAS JEFFERSON UNIVERSITY | 08003800S37701AM02 | 13,612 |
| 93.396 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1719GXB208AM02 | 10,744 |
| 93.396 | 3650 | THOMAS JEFFERSON UNIVERSITY | "080038000S37701 | 4,369 |
| 93.397 | 3600 | FRED HUTCH/UNIVERSITY OF WASHINGTON CANCER CONSORTIUM | 0001130661 | 24,776 |
| 93.397 | 3600 | FRED HUTCH/UNIVERSITY OF WASHINGTON CANCER CONSORTIUM | 0001130676 | 14,980 |

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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.397 | 3600 | FRED HUTCH/UNIVERSITY OF WASHINGTON CANCER CONSORTIUM | 0001130726 | 1,905 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110178 | -68 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110181AM01 | -2,636 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110182AM01 | -1,124 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110293 | 8,764 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110368 | 12,918 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110388 | 5,242 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110399 | 69,186 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110401 | 30,055 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110409 | 29,614 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110414 | 7,391 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110481 | -1,376 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001118707 | 20,038 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001118708 | 14,931 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001118709 | 15,613 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001118940 | 6,488 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001118941 | 26,898 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001118968 | 17,020 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001118987 | 7,941 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001118988 | 301,934 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001119751 | 120,131 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001119886 | 73,816 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001120346 | 900 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001120346AM01 | 24,001 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001120359 | 39,140 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001120360 | 55,936 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001122164 | 89,320 |

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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---------------------------------|--------------------------------------|---------------------------|
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001123050 | 30,746 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001123631 | 6,042 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001123633 | 18,037 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001126802 | 25,922 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001128373 | 46,508 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001128374 | 61,011 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130254 | 184,733 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130273 | 32,148 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130275 | 33,161 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130660 | 20,602 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130661 | -6,485 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130670 | 2,580 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130672 | 14,531 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130674 | 19,427 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130675 | 29,705 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130676 | 20,021 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130677 | 11,426 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001130726 | 14,134 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001138716 | 6,535 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139391 | 59,885 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139413 | 11,785 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139414 | 20,044 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139419 | 17,164 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139495 | 22,910 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139496 | 27,886 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139497 | 16,350 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139498 | 8,367 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139499 | 38,805 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--------------------------------------|--------------------------------------|---------------------------|
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139500 | 62,937 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139502 | 177,097 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139511 | 38,967 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001139513 | 40,398 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001140451 | 92,216 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001140712 | 266,415 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001140767 | 114,661 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001140818 | 42,082 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001140820 | 175,294 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001141174 | 25,150 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001141229 | 90,799 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001148996 | 4,021 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001148997 | 52,123 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001148999 | 28,291 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001149002 | 9,369 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001150563 | 2,850 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER | 001028765AM02 | 7,083 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110182AM01 | 7,922 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110401 | 24,579 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110414 | 11,006 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001118709 | 7,909 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001118940 | 3,827 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001118987 | 3,952 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001119886 | 19,060 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001123633 | 14,179 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001130254 | 17,726 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001130275 | 3,961 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.397 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110293 | 13,805 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110368 | 27,622 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110388 | 7,811 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110399 | 70,684 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110409 | 50,541 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001118941 | 13,307 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001120346 | 37,146 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001120359 | 20,149 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001120360 | 29,522 |
| 93.397 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001122164 | 45,222 |
| 93.397 | 3600 | MAYO CLINIC | TBCRC051MC1831AM01 | 11,375 |
| 93.397 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 13790SC | 19,678 |
| 93.399 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110374 | 2,970 |
| 93.399 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001128098 | 9,284 |
| 93.399 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001134687 | 44,716 |
| 93.399 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110374 | 5,120 |
| 93.399 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | 3004538756AM08 | 45,050 |
| 93.399 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000001922 | 2,188 |
| 93.399 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000002405 | 4,625 |
| 93.399 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000002458 | 3,859 |
| 93.399 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000002459 | 125,447 |
| 93.421 | 3030 | council of state and territorial epidemiologist | cbo24350 | 7,500 |
| 93.421 | 3030 | Gretchen Swanson | 2716877 GSCN | 1,820 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.421 | 3600 | ASSOC OF STATE & TERRITORIAL HEALTH OFF | REQUISITION0118 | 141,236 |
| 93.421 | 3600 | COUNCIL OF STATE & TERRITORIAL EPIDEMIOLOGICAL | PO7788 | 31,743 |
| 93.421 | 3600 | COUNCIL OF STATE & TERRITORIAL EPIDEMIOLOGICAL | PO8067 | 69,863 |
| 93.421 | 3600 | NATIONAL ASSOC OF CNTY & CITY HEALTH | 2021110201MOD01 | 408,981 |
| 93.421 | 3600 | NATIONAL ASSOC OF CNTY & CITY HEALTH | 2022041202MOD01 | 13,409 |
| 93.421 | 3600 | NATIONAL ASSOC OF CNTY & CITY HEALTH | 2022072003 | 456,997 |
| 93.421 | 3600 | NATIONAL ASSOC OF CNTY & CITY HEALTH | 2023012404 | 80,000 |
| 93.421 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G1782AG035200395AM02 | 11,050 |
| 93.421 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G2088AG0704 | 46,070 |
| 93.421 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G2117AG0693AM01 | 28,370 |
| 93.421 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G2128AG0753AM02 | 84,630 |
| 93.421 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G2142AG0764AM02 | 323,933 |
| 93.421 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G2148AG0768AM01 | 2,729 |
| 93.421 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G2433AG1055 | 65,107 |
| 93.421 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G2463AG1094 | 760,699 |
| 93.421 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G2487AG1123 | 41,880 |
| 93.421 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G2586AG1221 | 23,015 |
| 93.421 | 3600 | NATL ASSOC OF CHRONIC DISEASE DIRECTORS | 1462021 | 2,519 |
| 93.421 | 3600 | NATL ASSOC OF CHRONIC DISEASE DIRECTORS | 220237 | 113,690 |
| 93.421 | 3600 | NATL ASSOC OF CHRONIC DISEASE DIRECTORS | 230303 | 49,238 |
| 93.421 | 3600 | NATL ASSOC OF COUNTY & CITY HEALTH OFF | 2023020201 | 446,387 |
| 93.421 | 3600 | SOC FOR PUBLIC HEALTH EDUC | UW669784 | 284 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.421 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1920GLA064AM01 | 184,478 |
| 93.421 | 3600 | UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA) | 1920GLA064AM01 | 13,063 |
| 93.421 | 3600 | UNIVERSITY OF VERMONT | AWD00000288SUB00000139 | 1,633 |
| 93.433 | 3600 | CRAIG HOSPITAL | 2694UWBY2AM04 | 11,573 |
| 93.433 | 3600 | CRAIG HOSPITAL | 2694UWBY3AM05 | 42,453 |
| 93.433 | 3600 | INDIANA UNIVERSITY | 8699AM02 | 2,752 |
| 93.433 | 3600 | INDIANA UNIVERSITY | 8699PO0384123AM001 | 1,894 |
| 93.433 | 3600 | MEMORIAL HERMANN HEALTH SYSTEM | 2022YR51800UWASHADAAM0 | 951 |
| 93.433 | 3600 | MEMORIAL HERMANN HEALTH SYSTEM | 2023YR1ADAPARCUWASH | 3,869 |
| 93.433 | 3600 | SHIRLEY RYAN ABILITYLAB | 7258AM04 | 102,918 |
| 93.433 | 3600 | SHIRLEY RYAN ABILITYLAB | 7258AM05 | 289,059 |
| 93.433 | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000532312SC001A01 | 8,486 |
| 93.488 | 3600 | RTI INTERNATIONAL | 1312021871867065L | 6,500 |
| 93.493 | 3800 | University of Oklahoma | 20006333 | 40 |
| 93.530 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5124061 | 93,031 |
| 93.530 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5126788AM02 | 126,910 |
| 93.556 | 3600 | AMARA | UWA170813 | 80,606 |
| 93.556 | 3600 | AMARA PARENTING AND ADOPTION SERVICES | UWA170813 | 43,769 |
| 93.556 | 3700 | Idaho Dept of Health & Welfare | KC281800 AMENDMENT 3 | 194,067 |
| 93.600 | 3600 | FOND DU LAC TRIBAL AND COMMUNITY COLLEGE | 2 | 46,729 |
| 93.600 | 3600 | FOND DU LAC TRIBAL AND COMMUNITY COLLEGE | 3 | 150,625 |
| 93.600 | 3600 | ZERO TO THREE | 2021090581MA2020100040 | 1,034,265 |
| 93.600 | 3600 | ZERO TO THREE | 2022090141MA2020100040 | 2,079,703 |
| 93.600 | 6990 | PSD | 14440 | 201,655 |
| 93.600 | 6990 | Puget Sound Educational Services Dist | Head Start | 87,975 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.600 | 6990 | Puget Sound School Dist | Early Head Start | 75,563 |
| 93.652 | 3600 | SPAULDING FOR CHILDREN | 90CO11340201AM01 | 67,337 |
| 93.652 | 3600 | SPAULDING FOR CHILDREN | AM01 | 137,850 |
| 93.652 | 3600 | SPAULDING FOR CHILDREN | HHS2021ACFACYFCW1921 | 1,735 |
| 93.652 | 3600 | SPAULDING FOR CHILDREN | HHS2021ACFACYFCW1921AM | 345,218 |
| 93.652 | 3600 | SPAULDING FOR CHILDREN | UW633294 | 184,217 |
| 93.658 | 3700 | Idaho Dept of Health & Welfare | KC279000 AMEND#4 | 2,006,771 |
| 93.658 | 3700 | Idaho Dept of Health & Welfare | KC287600 AMEND#3 | 707,031 |
| 93.696 | 3650 | VOLUNTEERS OF AMERICA EASTERN WASHINGTON AND ORTHERN IDAHO | "142773001 | 48,110 |
| 93.732 | 3600 | NATIONWIDE CHILDREN'S HOSPITAL | 710072122200 | 44,511 |
| 93.732 | 3600 | NATIONWIDE CHILDREN'S HOSPITAL | 710072122300AM01 | 5,306 |
| 93.772 | 3600 | GREAT LAKES INTER-TRIBAL COUNCIL, INC. | AM03 | 12,090 |
| 93.788 | 3600 | OREGON HEALTH AUTHORITY | 167154AM01 | 5,737 |
| 93.788 | 3600 | OREGON HEALTH AUTHORITY | 167154AM02 | 83,750 |
| 93.788 | 3600 | UNIVERSITY OF MISSOURI KANSAS CITY | 0010960000077332 | 89,720 |
| 93.788 | 3600 | UNIVERSITY OF MISSOURI KANSAS CITY | 0010981200077332AM03 | 25,007 |
| 93.825 | 3600 | NEW YORK CITY HEALTH AND HOSPITALS | UW669337 | 24,068 |
| 93.825 | 3600 | UNIVERSITY OF NEBRASKA | 3401143001102AM03 | 295,158 |
| 93.825 | 3600 | UNIVERSITY OF NEBRASKA | 3401143001102AM04 | 283,998 |
| 93.837 | 3600 | ARIZONA STATE UNIVERSITY | ASUB00000241AM004 | 23,239 |
| 93.837 | 3600 | BRIGHAM AND WOMEN'S HOSPITAL | 242757 | 1,840 |
| 93.837 | 3600 | BRIGHAM AND WOMEN'S HOSPITAL | PS224978MOD11 | 19,184 |
| 93.837 | 3600 | CINCINNATI CHILDREN'S HOSP MEDICAL CTR | OS00000482400515 | 14,526 |
| 93.837 | 3600 | DREXEL UNIVERSITY | 900087AM02 | 19,003 |
| 93.837 | 3600 | DUKE UNIVERSITY | A033025AM03 | 78,354 |
| 93.837 | 3600 | HABIT DESIGN INC | A138591 | 40,005 |
| 93.837 | 3600 | IMAGING BIOMARKER SOLUTIONS INC. | 1R43HL15632701A1 | 35,190 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.837 | 3600 | JOHNS HOPKINS UNIVERSITY | 2004073037AM003 | 17,816 |
| 93.837 | 3600 | JOHNS HOPKINS UNIVERSITY | 2005511521 | 113,997 |
| 93.837 | 3600 | LUNDQUIST INSTITUTE FOR BIOMEDICAL | 3147003UWPO23006024AM0 | 62,185 |
| 93.837 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 236957AM02 | 46,417 |
| 93.837 | 3600 | NORTHWESTERN UNIVERSITY | 60058454UOWA03 | 132,319 |
| 93.837 | 3600 | RTI INTERNATIONAL | 7312021703065767LMOD00 | 2,609 |
| 93.837 | 3600 | RTI INTERNATIONAL | 7312021703065767LMOD04 | 35,483 |
| 93.837 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12730SUBMOD01 | 98,896 |
| 93.837 | 3600 | SEATTLE CHILDREN'S RESEARCH INSTITUTE (SCRI) | 12730SUBMOD01 | 14,717 |
| 93.837 | 3600 | SEVEN BRIDGES GENOMICS INC | AM09 | 23,710 |
| 93.837 | 3600 | THE LUNDQUIST INSTITUTE AT HARBOR - UCLA MEDICAL CENTER | 3147003UWPO23006024AM | 3,777 |
| 93.837 | 3600 | THOMAS JEFFERSON UNIVERSITY | 08018007S27801AM06 | 50,925 |
| 93.837 | 3600 | UNIV OF TEXAS HEALTH SCI CTR AT HOUSTON | SA0002995 | 6,496 |
| 93.837 | 3600 | UNIVERSITY OF ARIZONA | 679447 | 75,006 |
| 93.837 | 3600 | UNIVERSITY OF CALIFORNIA SAN DIEGO | 122387691POS9002468AM0 | 69,147 |
| 93.837 | 3600 | UNIVERSITY OF CALIFORNIA SAN DIEGO | 704820AM01 | 227,611 |
| 93.837 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 12920SCAM01 | 16,564 |
| 93.837 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 13078SCAM01 | 3,695 |
| 93.837 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 13369SCAM01 | 21,105 |
| 93.837 | 3600 | UNIVERSITY OF CHICAGO | FP06534702PRAM03 | 112,091 |
| 93.837 | 3600 | UNIVERSITY OF CINCINNATI | 01460400002 | 20,844 |
| 93.837 | 3600 | UNIVERSITY OF IOWA | S0045001AM04 | 17,714 |
| 93.837 | 3600 | UNIVERSITY OF MICHIGAN, ANN ARBOR | SUBK00012868003AM002 | 142,312 |
| 93.837 | 3600 | UNIVERSITY OF MICHIGAN, ANN ARBOR | SUBK00012868003AM03 | 1,825 |
| 93.837 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5113177AM04 | 49,441 |
| 93.837 | 3600 | UNIVERSITY OF PENNSYLVANIA | 580479PO4700953AM02 | 11,375 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.837 | 3600 | UNIVERSITY OF PENNSYLVANIA | 580479PO4700953PRIOR46 | 1,842 |
| 93.837 | 3600 | UNIVERSITY OF PENNSYLVANIA | 580479PO4700955AM02 | 11,123 |
| 93.837 | 3600 | UNIVERSITY OF PENNSYLVANIA | 580479PO4700955PRIOR46 | -2,477 |
| 93.837 | 3600 | UNIVERSITY OF PITTSBURGH | AWD0000431413860919AAM | 7,600 |
| 93.837 | 3600 | UNIVERSITY OF TEXAS MEDICAL BRANCH | 218518601AM02 | 206,397 |
| 93.837 | 3600 | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL | GMO210303PO0000002279A | 43,045 |
| 93.837 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC59733AM08 | 28 |
| 93.837 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC95800 | 8,441 |
| 93.837 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC95800AM01 | 86,594 |
| 93.837 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU230010 | 29,407 |
| 93.837 | 3600 | YALE UNIVERSITY | GR105731CON80001726AM0 | 71,662 |
| 93.837 | 3650 | UNIVERSITY OF ARIZONA | "599745 | 123,642 |
| 93.837 | 3650 | UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION | "320000360821114 | 230,665 |
| 93.838 | 3600 | ARIZONA STATE UNIVERSITY | ASUB00000775AM02 | 102,854 |
| 93.838 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | 0164103S01 | 131,389 |
| 93.838 | 3600 | CINCINNATI CHILDREN'S HOSP MEDICAL CTR | 303862AM05 | 92,312 |
| 93.838 | 3600 | CINCINNATI CHILDREN'S HOSP MEDICAL CTR | OS00000404316463AM01 | 100,766 |
| 93.838 | 3600 | COLUMBIA UNIVERSITY | 2GG01166201AM05 | 51,496 |
| 93.838 | 3600 | COLUMBIA UNIVERSITY | 2GG01799801G17046 | 1,707 |
| 93.838 | 3600 | COLUMBIA UNIVERSITY | 32GG01599701POG15284AM | 45,263 |
| 93.838 | 3600 | COLUMBIA UNIVERSITY | 6GG01792901AM01 | 177,514 |
| 93.838 | 3600 | CORNELL UNIVERSITY NEW YORK | 2146556 | 4,841 |
| 93.838 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110377AM01 | 216,657 |
| 93.838 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001131463 | 197,374 |
| 93.838 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110377AM01 | 21,766 |
| 93.838 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110381 | 2,174 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.838 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001131597 | 12,302 |
| 93.838 | 3600 | INSTITUTE FOR SYSTEMS BIOLOGY | 20210011MOD05 | 845,481 |
| 93.838 | 3600 | INTERMOUNTAIN HEALTHCARE INC | AM05 | 7,302 |
| 93.838 | 3600 | INTERMOUNTAIN HEALTHCARE INC | AM6 | 620 |
| 93.838 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 224404AM01 | 44,758 |
| 93.838 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 239080AM01 | 48,077 |
| 93.838 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 239574AM01 | 2,560 |
| 93.838 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1021855UW | 63,510 |
| 93.838 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1023342UWA | 73,364 |
| 93.838 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY (OHSU) | 1018896004UWAAM01 | 557 |
| 93.838 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY (OHSU) | 1019395UWAAM002 | -41,576 |
| 93.838 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY (OHSU) | 1021391UWAM01 | 123,517 |
| 93.838 | 3600 | RHODE ISLAND HOSPITAL | 7137797 | 9,008 |
| 93.838 | 3600 | STANFORD UNIVERSITY | 62850767151323AM01 | 30,303 |
| 93.838 | 3600 | UNIVERSITY OF MICHIGAN, ANN ARBOR | SUBK00016195AM02 | 104,277 |
| 93.838 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5122015PREVIOUSLY51190 | 23,840 |
| 93.838 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5125695PRIOR5122015AM0 | 45,330 |
| 93.838 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | UW667708 | 42,561 |
| 93.838 | 3600 | UNIVERSITY OF PENNSYLVANIA | 582591AM01 | 43,364 |
| 93.838 | 3600 | UNIVERSITY OF PENNSYLVANIA | 583172 | 21,133 |
| 93.838 | 3600 | UNIVERSITY OF PENNSYLVANIA | 583172AM01 | 70,231 |
| 93.838 | 3600 | UNIVERSITY OF PITTSBURGH | AWD000070291390257 | 3,433 |
| 93.838 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU19105MOD5 | 783 |
| 93.838 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU230512 | 11,728 |
| 93.838 | 3600 | WEILL CORNELL MEDICAL COLLEGE | 21058117 | 3,276 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.838 | 3600 | WEILL CORNELL MEDICAL COLLEGE | 22662817 | 10,225 |
| 93.838 | 3600 | WEILL MEDICAL COLLEGE OF CORNELL UNIV | 2219634AM01 | 31,066 |
| 93.839 | 3600 | BLOODWORKS NORTHWEST | 883UW2019AM04 | 36,518 |
| 93.839 | 3600 | BLOODWORKS NORTHWEST | 883UW2019AM05 | 11,325 |
| 93.839 | 3600 | BLOODWORKS NORTHWEST | 883UWKONKLE | -2,274 |
| 93.839 | 3600 | BLOODWORKS NORTHWEST | 883UWKONKLEAM01 | 6,887 |
| 93.839 | 3600 | BLOODWORKS NORTHWEST | 883UWKONKLEAM02 | 2,723 |
| 93.839 | 3600 | BLOODWORKS NORTHWEST | 895UW2020AM02 | 24,376 |
| 93.839 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001081416 | -116,954 |
| 93.839 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109957AM01 | 203,593 |
| 93.839 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109975 | -8,561 |
| 93.839 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109975AM1 | 46,492 |
| 93.839 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110428AM01 | 71,947 |
| 93.839 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001125798 | 67,516 |
| 93.839 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001125798AM02 | 102,185 |
| 93.839 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001109975 | 19,331 |
| 93.839 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110428AM01 | 55,011 |
| 93.839 | 3600 | JOHNS HOPKINS UNIVERSITY | 2004868647AM01 | 1,213 |
| 93.839 | 3600 | JOHNS HOPKINS UNIVERSITY | 2004868647AM02 | 116,236 |
| 93.839 | 3600 | OPTICYTE INC | AM04 | 343,407 |
| 93.839 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12265SUBMOD02 | 54,711 |
| 93.839 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12393SUBMOD01 | 34 |
| 93.839 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12394SUBMOD02 | 11,088 |
| 93.839 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12800SUBMOD01 | 18,429 |
| 93.839 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12978SUB | 61,783 |
| 93.839 | 3600 | SEATTLE CHILDREN'S HOSPITAL RESEARCH INSTITUTE | 12978SUB | 7,692 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.839 | 3600 | UNIV OF TEXAS HEALTH SCI CTR AT HOUSTON | SA0000420AM05 | 51,610 |
| 93.839 | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000533033SC012 | 75 |
| 93.839 | 3600 | UNIVERSITY OF CHICAGO | FP066598BAM05 | 21,642 |
| 93.839 | 3600 | UNIVERSITY OF CHICAGO | FP066598DAM05 | 272 |
| 93.839 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5112806AM03 | 12,205 |
| 93.839 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON00003444AM03 | 476,135 |
| 93.839 | 3600 | UNIVERSITY OF VERMONT | 33108SUB52859AM05 | 113,455 |
| 93.839 | 3600 | VITALANT RESEARCH INSTITUTE | 11685UW147AM03 | 11,559 |
| 93.839 | 3650 | MAYO CLINIC | "WSU310374 | 25,466 |
| 93.840 | 3600 | CINCINNATI CHILDREN'S HOSP MEDICAL CTR | OS00000273400187 | 142,769 |
| 93.840 | 3600 | INFECTIOUS DISEASES RSCH COLLABORATION | IDRC0003SC | 17,088 |
| 93.840 | 3600 | INFECTIOUS DISEASES RSCH COLLABORATION | IDRC0007SC | 90,398 |
| 93.840 | 3600 | MOZAMBIQUE INST FOR HEALTH EDUC AND RSCH | C0013 | 53,343 |
| 93.840 | 3600 | MOZAMBIQUE INST FOR HEALTH EDUC AND RSCH | C0013B | 195,150 |
| 93.840 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | AD226SHAHRS4SIBCR | 36,139 |
| 93.840 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC95584AM02 | 232 |
| 93.846 | 3600 | HEBREW REHABILITATION CENTER | 90077AM05 | 173,805 |
| 93.846 | 3600 | JOHNS HOPKINS UNIVERSITY (JHU) | 2004829001MOD03 | 32,657 |
| 93.846 | 3600 | MAYO CLINIC | UNI28975501AM1 | 99,400 |
| 93.846 | 3600 | MAYO CLINIC | UNI289755PO68352970 | 9,891 |
| 93.846 | 3600 | SANFORD BURNHAM PREBYS | 7052813583UW | 88,644 |
| 93.846 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12568SUBMOD02 | 141,208 |
| 93.846 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12568SUBMOD03 | 91,085 |
| 93.846 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LW143LW12SIBCR | 9,269 |
| 93.846 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LW143LW13SIBCR | 47,978 |
| 93.846 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LW143UW2AM01 | 15,083 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.846 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LW143UW3AM02 | 80,500 |
| 93.846 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | SB226AGELJ2SIBCR | 7,030 |
| 93.846 | 3600 | UNIVERSITY OF CALIFORNIA IRVINE | 20211473AM03 | 35,818 |
| 93.846 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5125169AM02 | 465,757 |
| 93.846 | 3600 | UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL | 5125170AM02 | 117,845 |
| 93.846 | 3600 | WASHINGTON UNIVERSITY IN ST. LOUIS | WU220481MOD1AM01 | 1,095 |
| 93.847 | 3600 | ALTIS BIOSYSTEMS INC | R44DK130647 | 53,709 |
| 93.847 | 3600 | ALTIS BIOSYSTEMS INC | UW666140 | 119,729 |
| 93.847 | 3600 | ARIZONA STATE UNIVERSITY | 16924AM06 | 3,036 |
| 93.847 | 3600 | ARIZONA STATE UNIVERSITY | 16924AM07 | 23,575 |
| 93.847 | 3600 | AUGUSTA UNIVERSITY | 363502 | 80,100 |
| 93.847 | 3600 | AUGUSTA UNIVERSITY | 363503AM01 | 67,106 |
| 93.847 | 3600 | AUGUSTA UNIVERSITY | 363504AM01 | 50,050 |
| 93.847 | 3600 | BOSTON CHILDREN'S HOSPITAL | GENFD0002181614AM02 | 1,614 |
| 93.847 | 3600 | BROWN UNIVERSITY | 00001250AM05 | 32,542 |
| 93.847 | 3600 | BROWN UNIVERSITY | 00001835AM02 | 30,146 |
| 93.847 | 3600 | CASE WESTERN RESERVE UNIVERSITY | 1413SUBAM06 | 45,552 |
| 93.847 | 3600 | CASE WESTERN RESERVE UNIVERSITY | 1413SUBAM08 | 67,124 |
| 93.847 | 3600 | CASE WESTERN RESERVE UNIVERSITY | RES516361AM01 | -797 |
| 93.847 | 3600 | CASE WESTERN RESERVE UNIVERSITY | RES516472AM02 | 11,652 |
| 93.847 | 3600 | CASE WESTERN RESERVE UNIVERSITY | RES600210 | 217,996 |
| 93.847 | 3600 | CHILDREN'S RESEARCH INSTITUTE | 3000738402 | 17,992 |
| 93.847 | 3600 | CROSSLIFE TECHNOLOGIES INC | UW662724 | 93,339 |
| 93.847 | 3600 | EMORY UNIVERSITY | A547599AM01 | 3,143 |
| 93.847 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110049AM01 | 118,614 |
| 93.847 | 3600 | JAEB CENTER FOR HEALTH RESEARCH, INC. (JCHR) | AM01 | -6,828 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.847 | 3600 | JOHNS HOPKINS UNIVERSITY | 2003992125AM03 | 7,574 |
| 93.847 | 3600 | JOHNS HOPKINS UNIVERSITY | 2005822121 | 5,576 |
| 93.847 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG003044UWDREWNOWSKIM | 16,117 |
| 93.847 | 3600 | LIVER INSTITUTE NORTHWEST | LIN91306401AM03 | 3,071 |
| 93.847 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 235385AM03 | 87,809 |
| 93.847 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 238171AM01 | 11,018 |
| 93.847 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 238171AM02 | 11,687 |
| 93.847 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 238587AM01 | 27,828 |
| 93.847 | 3600 | NORTHERN CALIFORNIA INST FOR RSCH & EDUC | SCH228401AM02 | 31,627 |
| 93.847 | 3600 | PENNSYLVANIA STATE UNIVERSITY | S002266DHHSAM01 | 110,646 |
| 93.847 | 3600 | ROCKEFELLER UNIVERSITY | SUB00000252 | 22,312 |
| 93.847 | 3600 | ROCKEFELLER UNIVERSITY | SUB00000327AM01 | 16,149 |
| 93.847 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12199SUBMOD04 | 290,259 |
| 93.847 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12681SUBMOD01 | -420 |
| 93.847 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12965SUB | 936,454 |
| 93.847 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 13049SUB | 176,434 |
| 93.847 | 3600 | SEATTLE CHILDREN'S HOSPITAL RESEARCH INSTITUTE | 12965SUB | 55,233 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BJ211BJ25SIBCR | 4,338 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BJ211BJ26SIBCR | 1,035 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BJ211SIKKEC4SIBCR | 1,177 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BW2RE21OMERM2SIBCRM00 | 1,312 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LW145BRADYL1SIBCR | 30,105 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | UK1GRADEKS110SIBCR | 3,049 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | UK1GRADEKS111SIBCR | 20,070 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | UK1GRADEUK18SIBCR | 915 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | UK1GRADEUK19SIBCR | 7,317 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | WP21CG11SIBCR | 9,477 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | WP21KS12SIBCR | 5,520 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | WP21UW1 | 62,713 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | WP21UW2AM1 | 30,704 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | WP21ZS21SIBCR | 31,378 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | WP21ZS22SIBCR | 12,470 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | ZS26ZS21SIBCR | 17,573 |
| 93.847 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | ZS27ZS21SIBCR | 3,037 |
| 93.847 | 3600 | UNIV OF TEXAS HEALTH SCI CTR SAN ANTONIO | 169762169761 | 75 |
| 93.847 | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000524405SC004AM001 | -2 |
| 93.847 | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000524405SC004AM02 | 11,050 |
| 93.847 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 10863SCAM06 | 99,321 |
| 93.847 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11740SCAM03 | 4,868 |
| 93.847 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11740SCAM04 | 360,495 |
| 93.847 | 3600 | UNIVERSITY OF CHICAGO | FP06836601IAM04 | -2,541 |
| 93.847 | 3600 | UNIVERSITY OF CHICAGO | FP06836601IAM06 | 13,221 |
| 93.847 | 3600 | UNIVERSITY OF CHICAGO | FP06836601IAM07 | 190,841 |
| 93.847 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00013501AM02 | 30,896 |
| 93.847 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00016249 | 91,951 |
| 93.847 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00017006AM02 | 5,455 |
| 93.847 | 3600 | UNIVERSITY OF MICHIGAN, ANN ARBOR | SUBK00012155AM003 | 20 |
| 93.847 | 3600 | UNIVERSITY OF MINNESOTA | N006254903AM05 | -9,642 |
| 93.847 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5119779AM02 | 24,889 |
| 93.847 | 3600 | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL | GMO161129PO000000975GA | 10,812 |
| 93.847 | 3600 | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL | GMO200501PO0000001992A | 218,156 |
| 93.847 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC101200 | 38,496 |
| 93.847 | 3600 | VETERANS MEDICAL RESEARCH FOUNDATION | 096530003326168AM05 | 8,367 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.847 | 3600 | VETERANS MEDICAL RESEARCH FOUNDATION | 098750003325730AM002 | 8,300 |
| 93.847 | 3600 | VETERANS MEDICAL RESEARCH FOUNDATION | 098750004326938AM03 | 90,199 |
| 93.847 | 3650 | MCLEAN HOSPITAL | "401536 | 79,396 |
| 93.847 | 3650 | MCLEAN HOSPITAL | "401707 | 28,040 |
| 93.847 | 3650 | UNIVERSITY OF COLORADO | "FY22001017 | 23,801 |
| 93.847 | 3650 | UNIVERSITY OF COLORADO DENVER | "FY23001021 | 16,362 |
| 93.847 | 3650 | UNIVERSITY OF PENNSYLVANIA | "575452 | 155,408 |
| 93.847 | 3650 | UNIVERSITY OF SOUTHERN CALIFORNIA | "RGF010786A | 130,441 |
| 93.853 | 3600 | ALBANY RSCH INST INC | 92603UWASH | 9,372 |
| 93.853 | 3600 | ALLEN INSTITUTE | 20210471AM02 | 296,866 |
| 93.853 | 3600 | ALLEN INSTITUTE | 20210503AM01 | 63,925 |
| 93.853 | 3600 | ALLEN INSTITUTE | 20210724AM01 | 218,802 |
| 93.853 | 3600 | BAYLOR COLLEGE OF MEDICINE | 7000001516AM01 | 12,433 |
| 93.853 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | FY22ITN396AM2 | 274 |
| 93.853 | 3600 | BETH ISRAEL DEACONESS MEDICAL CENTER | 01063359AM02 | 1,125 |
| 93.853 | 3600 | BETH ISRAEL DEACONESS MEDICAL CENTER | 01064176AM03 | 23,714 |
| 93.853 | 3600 | BRAIN ELECTROPHYSIOLOGY LAB CO LLC | UW664935 | 10,000 |
| 93.853 | 3600 | CALIFORNIA INSTITUTE OF TECHNOLOGY | S397592AM07 | 227,838 |
| 93.853 | 3600 | CALIFORNIA INSTITUTE OF TECHNOLOGY | S407472AM05 | 204,956 |
| 93.853 | 3600 | CARNEGIE MELLON UNIVERSITY | 1090654437057 | 116,364 |
| 93.853 | 3600 | CARNEGIE MELLON UNIVERSITY | 1090654437057AM02 | 125,431 |
| 93.853 | 3600 | CHILDREN'S HOSPITAL LOS ANGELES | 000014737GAM02 | 9,868 |
| 93.853 | 3600 | CLEVELAND CLINIC FOUNDATION | 1482SUBAM02 | 89,174 |
| 93.853 | 3600 | COLUMBIA UNIVERSITY | 1GG01200604AM06 | -663 |
| 93.853 | 3600 | COLUMBIA UNIVERSITY | 1GG01200605AM07 | 204,377 |
| 93.853 | 3600 | COLUMBIA UNIVERSITY | 3GG01714305AM01 | 344,176 |
| 93.853 | 3600 | DREXEL UNIVERSITY | 800178 | 20,004 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.853 | 3600 | DUKE UNIVERSITY | 3021754AM04 | 7,632 |
| 93.853 | 3600 | EMORY UNIVERSITY | A521966FORMERLYA365374 | 71,834 |
| 93.853 | 3600 | FRED HUTCHINSON CANCER CENTER | 00001110164AM02 | 165,269 |
| 93.853 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001121892 | 105,954 |
| 93.853 | 3600 | HARVARD UNIVERSITY | 1381495122579 | 42,687 |
| 93.853 | 3600 | HARVARD UNIVERSITY | 14942051049390502AM05 | 63,692 |
| 93.853 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255C8014609AM05 | 90,044 |
| 93.853 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255C8014609AM06 | 266,142 |
| 93.853 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255G8614609 | 146,541 |
| 93.853 | 3600 | JOHNS HOPKINS UNIVERSITY | PO2005467415 | 5,717 |
| 93.853 | 3600 | JOHNS HOPKINS UNIVERSITY | PO2005467415MOD1 | 111,529 |
| 93.853 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 240868 | 202,504 |
| 93.853 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | TASKORDER01EN2001MOD03 | 32,569 |
| 93.853 | 3600 | MASSACHUSETTS GENERAL HOSPITAL (MGH) | EN2101TO2MOD01 | 21,307 |
| 93.853 | 3600 | MAYO CLINIC | WAS22406306AM06 | 2,050 |
| 93.853 | 3600 | MEDICAL COLLEGE OF WISCONSIN | PRIME5R01NS11085603AM0 | 1 |
| 93.853 | 3600 | MEDICAL COLLEGE OF WISCONSIN | PRIME5R01NS11085604AM0 | 19,655 |
| 93.853 | 3600 | NORTHWESTERN UNIVERSITY | 60054064WASHAMA04 | 223,844 |
| 93.853 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1013756UWAAM04 | 222,225 |
| 93.853 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1015158UWAM02 | 1,207 |
| 93.853 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1015158UWAM03 | 18,711 |
| 93.853 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12753SUBMOD01 | 129,894 |
| 93.853 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12754SUBMOD1 | 38,586 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | DM24UW3AM03 | 74,606 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB26BECKR1SIBCR | -1,963 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB26BECKR2SIBCRM01 | 25,533 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB26BJADHAV2SIBCRM01 | 40,834 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB26BKB23SIBCR | 43,782 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB26BLEBLAK1SIBCR | 16,953 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB26BLEBLAK2SIBCR | 1,564 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB26BMCMLP1SIBCR | 14,924 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE165IJ21SIBCR | 19,650 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE165PK11SIBCR | 14,848 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE165REINR1SIBCR | 31,025 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE165RM11SIBCR | 31,047 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE165SHOFEJ1SIBCR | 20,415 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE165SIKKEC1SIBCR | 22,074 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | TD116HS25SIBCRM02 | 3,715 |
| 93.853 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | TD116HS26SIBCR | 13,933 |
| 93.853 | 3600 | STANFORD UNIVERSITY | 61855870125439AM07 | 38,726 |
| 93.853 | 3600 | UNIV OF TEXAS HEALTH SCI CTR SAN ANTONIO | 168355168352AM02 | 3,285 |
| 93.853 | 3600 | UNIV OF TEXAS HEALTH SCI CTR SAN ANTONIO | 170356170353 | 2,062 |
| 93.853 | 3600 | UNIV OF TEXAS HEALTH SCI CTR SAN ANTONIO | 170356170353AM02 | 24,481 |
| 93.853 | 3600 | UNIVERSITY OF CALIFORNIA DAVIS | A211324S007AM02 | 31,418 |
| 93.853 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1580GYB506AM02 | 210,283 |
| 93.853 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1713GZA878 | 11,234 |
| 93.853 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1713GZA878AM01 | 36,372 |
| 93.853 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 10945SCAM03 | 46,082 |
| 93.853 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11037SCAM04 | 838 |
| 93.853 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 12987SCAM01 | 49,626 |
| 93.853 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 9670SCAM10 | 138,229 |
| 93.853 | 3600 | UNIVERSITY OF CINCINNATI | 010785135574AM02 | 4,133 |
| 93.853 | 3600 | UNIVERSITY OF CINCINNATI | 011337135574AM01 | 28,796 |
| 93.853 | 3600 | UNIVERSITY OF CINCINNATI | 012043135574 | 15,999 |
| 93.853 | 3600 | UNIVERSITY OF CINCINNATI | 012044135574SATURNAM02 | 2,724 |
| 93.853 | 3600 | UNIVERSITY OF CINCINNATI | 012340135574AM01 | 12,165 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.853 | 3600 | UNIVERSITY OF CINCINNATI | 013381135574AM01 | 4,713 |
| 93.853 | 3600 | UNIVERSITY OF CINCINNATI | 013888135574 | 23,418 |
| 93.853 | 3600 | UNIVERSITY OF CONNECTICUT | 428629 | 96,853 |
| 93.853 | 3600 | UNIVERSITY OF CONNECTICUT | 428629AM02 | 122,005 |
| 93.853 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00007467AM03 | -29,132 |
| 93.853 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00007467AM04 | 343,788 |
| 93.853 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK10405CSPR002 | 19,020 |
| 93.853 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK10405CSPR002AM004 | 1,402 |
| 93.853 | 3600 | UNIVERSITY OF NEBRASKA | 4410141005203AM01 | 6,693 |
| 93.853 | 3600 | UNIVERSITY OF PENNSYLVANIA | 572976AM03 | -8,078 |
| 93.853 | 3600 | UNIVERSITY OF PENNSYLVANIA | 583281AM003 | 16,156 |
| 93.853 | 3600 | UNIVERSITY OF PENNSYLVANIA | 585761AM04 | 54,521 |
| 93.853 | 3600 | UNIVERSITY OF PUERTO RICO | 2021001487 | 74,848 |
| 93.853 | 3600 | UNIVERSITY OF ROCHESTER | 417793URFAOGR510748AM0 | 26,068 |
| 93.853 | 3600 | UNIVERSITY OF ROCHESTER | SUB00000073AM1GURFAOGR | 40,664 |
| 93.853 | 3600 | UNIVERSITY OF ROCHESTER | SUB00000073AM2URFAOGR5 | 11,409 |
| 93.853 | 3600 | UNIVERSITY OF TENNESSEE | 224652UWAAM04 | 166,544 |
| 93.853 | 3600 | UNIVERSITY OF VIRGINIA | GB10965169717AM01 | 149,084 |
| 93.853 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU230464 | 61,431 |
| 93.855 | 3600 | ADERA | AM1 | 37,386 |
| 93.855 | 3600 | ADERA | UW637043 | 13,363 |
| 93.855 | 3600 | ANTIGEN DISCOVERY INC | ADIUW2020001AM02 | 21,790 |
| 93.855 | 3600 | BELBROOK LABS LLC | UW637454 | 192,049 |
| 93.855 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | 0135002S01A01AM02 | 20,123 |
| 93.855 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | 0139201S01AM02 | 151,306 |
| 93.855 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | 0139202S01 | 61,412 |

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| 93.855 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | FY22ITN293AM03 | 25,256 |
| 93.855 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | FY22ITN488FY21ITN488AM | 9,947 |
| 93.855 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | FY22ITN490AM1 | 1,776 |
| 93.855 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | FY22ITN536AM02 | 167,911 |
| 93.855 | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | FY23ITN293AM4 | 17,606 |
| 93.855 | 3600 | BOSTON CHILDREN'S HOSPITAL | GENFD0002265374 | 78,504 |
| 93.855 | 3600 | BRIGHAM AND WOMEN'S HOSPITAL | 125980AM01 | 50,496 |
| 93.855 | 3600 | BROWN UNIVERSITY | 00002083 | 26,057 |
| 93.855 | 3600 | CASE WESTERN RESERVE UNIVERSITY | RES510939AM04 | -7,635 |
| 93.855 | 3600 | CHILDREN'S HOSPITAL OF PHILADELPHIA | GRANTIDGRT00001924 | 9,742 |
| 93.855 | 3600 | COLUMBIA UNIVERSITY | 2GG01537401AM01 | 44,178 |
| 93.855 | 3600 | CORNELL UNIVERSITY ITHACA | 13889321147AM01 | 56,518 |
| 93.855 | 3600 | DARTMOUTH COLLEGE | R1629 | 2,384 |
| 93.855 | 3600 | EMORY UNIVERSITY | A011120AM03 | 18,182 |
| 93.855 | 3600 | EMORY UNIVERSITY | A011120AM04 | 73,141 |
| 93.855 | 3600 | EMORY UNIVERSITY | A390459AM03 | 182,969 |
| 93.855 | 3600 | EMORY UNIVERSITY | A400416AM03 | 44,302 |
| 93.855 | 3600 | EMORY UNIVERSITY | A599934AM02FORMERA5504 | 11,620 |
| 93.855 | 3600 | EMORY UNIVERSITY | A603323AM02FORMERA5530 | 5,580 |
| 93.855 | 3600 | EMORY UNIVERSITY | A609557FORMERLYA416500 | 59,626 |
| 93.855 | 3600 | EMORY UNIVERSITY | A611769 | 46,414 |
| 93.855 | 3600 | EMORY UNIVERSITY | A611940AM03 | 19,329 |
| 93.855 | 3600 | EMORY UNIVERSITY | A613872 | 7,549 |
| 93.855 | 3600 | EMORY UNIVERSITY | A644471AM05 | 15,843 |
| 93.855 | 3600 | EMORY UNIVERSITY | A675795 | 424,007 |

State of Washington
Schedule of Expenditures of Federal Awards
Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
(Expressed in whole dollars)

| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---------------------------------|--------------------------------------|---------------------------|
| 93.855 | 3600 | EMORY UNIVERSITY | A680754 | 287,322 |
| 93.855 | 3600 | EMORY UNIVERSITY | A683318 | 259,226 |
| 93.855 | 3600 | EMORY UNIVERSITY | A704758AM01 | 44,547 |
| 93.855 | 3600 | EMORY UNIVERSITY | A746868 | 2,696 |
| 93.855 | 3600 | EMORY UNIVERSITY | A750305 | 17,892 |
| 93.855 | 3600 | EMORY UNIVERSITY | A756772FORMERLYA611769 | 21,051 |
| 93.855 | 3600 | EMORY UNIVERSITY | A756995AM02 | 61,678 |
| 93.855 | 3600 | EMORY UNIVERSITY | A780946FORMERLYA746868 | 8,686 |
| 93.855 | 3600 | EMORY UNIVERSITY | A803557 | 2,268 |
| 93.855 | 3600 | EMORY UNIVERSITY | A807049 | 10,642 |
| 93.855 | 3600 | FHI360 | PO21000543MOD01 | 16,777 |
| 93.855 | 3600 | FHI360 | PO21000543MOD4 | 16,038 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001012355AM03 | -65,729 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001024201AM03 | -23 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001037385AM02 | -1,200 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001044376AM02 | -34,021 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001101341 | -572 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001102926PROJECT42588 | 145,509 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001107418AM01 | 97,486 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001107418AM02 | 90,194 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109937AM01 | 50,503 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109948AM01 | 38,054 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109961AM01 | 22,591 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109974AM01 | 5,653 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109978 | 115,483 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110005 | 113,178 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110063AM01 | 161,937 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110079 | 2,430 |

State of Washington
Schedule of Expenditures of Federal Awards
Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
(Expressed in whole dollars)

| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---------------------------------|--------------------------------------|---------------------------|
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110162 | 177,515 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110166 | -115,819 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110169 | 450 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110203 | -1,379 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110279AM01 | 31,894 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110282AM01 | 44,952 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110285AM01 | 546,600 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001110382 | 764 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117181 | 604,625 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117482 | 2,758,512 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117484 | 2,462,833 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117494 | 134,715 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117495 | 112,018 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117496 | 3,397,801 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117500 | 34,999 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117543 | 155,340 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117585AM01 | 145,641 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117845 | 8,658 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001117989AM01 | 140,006 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001120220 | 336 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001122791AM01 | 30,891 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001122826AM01 | 128,982 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001122997 | 53,238 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001124580 | 373,531 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001127020 | 143,578 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001127578 | 39,549 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001127578AM01 | 7,418 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001128715 | 18,968 |

State of Washington
Schedule of Expenditures of Federal Awards
Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
(Expressed in whole dollars)

| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--------------------------------------|--------------------------------------|---------------------------|
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001129517 | 19,622 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001129961AM001 | 47,294 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001132716 | 210,983 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001134355 | 410,494 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001134732AM01 | 94,367 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001134736AM01 | 280,827 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001136337 | 70,429 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001137333 | 11,731 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001138583 | 174,415 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001138842 | 880,908 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001141585 | 28,841 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001143509 | 99,612 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001144692 | 324,636 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001144972 | 581,249 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001144973 | 4,551 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001109937AM01 | 6,877 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001109948AM01 | 23,843 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001109961 | 7,721 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001109961AM01 | 747 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001109977 | 17,044 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001109978 | 14,150 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110063AM01 | 38,148 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110166 | 124,254 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001110282AM01 | 31,030 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001122826AM01 | 15,144 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001124580 | 303,936 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001127020 | 107,223 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001127578 | 6,922 |

State of Washington
Schedule of Expenditures of Federal Awards
Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
(Expressed in whole dollars)

| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001128715 | 17,384 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001141585 | 14,050 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001110276 | 18,042 |
| 93.855 | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001117844 | 36,234 |
| 93.855 | 3600 | GEORGE WASHINGTON UNIVERSITY | 20M23AM03 | 5,999 |
| 93.855 | 3600 | GEORGE WASHINGTON UNIVERSITY | 21M118AM02 | 54,124 |
| 93.855 | 3600 | HARVARD UNIVERSITY | 15126451207350025 | 36,842 |
| 93.855 | 3600 | HARVARD UNIVERSITY | 15241651194570021AM01 | -502 |
| 93.855 | 3600 | HDT BIO CORPORATION | 1R61AI16181101002AM02 | 30,998 |
| 93.855 | 3600 | HENRY M JACKSON FDN FOR ADV OF MIL MED | 5668PO1013805HJF65843 | 111,207 |
| 93.855 | 3600 | ID GENOMICS INC | IDGUW03 | 11,612 |
| 93.855 | 3600 | INDIANA UNIVERSITY | 8989WUAM02 | 43,166 |
| 93.855 | 3600 | INST FOR CLINICAL EFFECTIVENESS & HEALTH | TBC2022UOW | 237,713 |
| 93.855 | 3600 | INSTITUTE FOR SYSTEMS BIOLOGY | 20210003AM01 | 15,300 |
| 93.855 | 3600 | ITHAX PHARMACEUTICALS, INC. | A148479AM04 | 121,936 |
| 93.855 | 3600 | JOHNS HOPKINS UNIVERSITY | 2005307175AM01 | 555,291 |
| 93.855 | 3600 | JOHNS HOPKINS UNIVERSITY | LDR02MOD03PO2004908062 | 15,941 |
| 93.855 | 3600 | JOHNS HOPKINS UNIVERSITY | LDR02PO2004908062MOD04 | 22,925 |
| 93.855 | 3600 | JOHNS HOPKINS UNIVERSITY | UM1AI068632MOD01 | 88,400 |
| 93.855 | 3600 | JOHNS HOPKINS UNIVERSITY (JHU) | 2005307175AM01 | 71,141 |
| 93.855 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210453UWAM02 | 7,049 |
| 93.855 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG210453UWAM3 | 10,109 |
| 93.855 | 3600 | LEEDS UNIVERSITY | 125394 | 28,961 |
| 93.855 | 3600 | LUMEN BIOSCIENCE, INC. | UW661158 | 286,341 |
| 93.855 | 3600 | LUMEN BIOSCIENCE, INC. | UW661774 | 49,652 |
| 93.855 | 3600 | MAGEE-WOMEN'S RESEARCH INSTITUTE & FNDN | 4695AM04 | 457 |

State of Washington
Schedule of Expenditures of Federal Awards
Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.855 | 3600 | MAGEE-WOMEN'S RESEARCH INSTITUTE & FNDN | 9167PRIOR9155AM04 | 265,672 |
| 93.855 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 234124AM01 | 267,423 |
| 93.855 | 3600 | MONTANA STATE UNIVERSITY | G16418W7010AM06 | 28,376 |
| 93.855 | 3600 | MONTANA STATE UNIVERSITY | G16418W7010AM08 | 29,540 |
| 93.855 | 3600 | NORTHERN ARIZONA UNIVERSITY | 100525301 | 34,137 |
| 93.855 | 3600 | NORTHERN ARIZONA UNIVERSITY | 100525301AM01 | 371,091 |
| 93.855 | 3600 | NORTHWESTERN UNIVERSITY | 60060177UWA01 | 53,152 |
| 93.855 | 3600 | OHIO STATE UNIVERSITY | GR102740PRIOR60062782A | 190,521 |
| 93.855 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1013170UWAAM04 | 123,038 |
| 93.855 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1020009UWA | 22,879 |
| 93.855 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1020009UWAAM01 | 64,882 |
| 93.855 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1020638UW | 9,235 |
| 93.855 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1020638UWAM01 | 5,372 |
| 93.855 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1022434UWAA3 | 157,712 |
| 93.855 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY (OHSU) | 1013170UWAAM04 | 2,748 |
| 93.855 | 3600 | OREGON STATE UNIVERSITY | P0515AAAAM02 | 4,345 |
| 93.855 | 3600 | ORLANCE INC | A147555MOD03 | 8,372 |
| 93.855 | 3600 | ORLANCE INC | A153251MOD03 | 170,141 |
| 93.855 | 3600 | ORLANCE INC | MOD02 | 83,885 |
| 93.855 | 3600 | ORLANCE INC | UW662945 | 52,856 |
| 93.855 | 3600 | PENNSYLVANIA STATE UNIVERSITY | S003033DHHS | 104,376 |
| 93.855 | 3600 | RHODE ISLAND HOSPITAL | 7137555AM03 | 49,010 |
| 93.855 | 3600 | RUTGERS THE STATE UNIV OF NEW JERSEY | 2077 | -1,511 |
| 93.855 | 3600 | RUTGERS THE STATE UNIV OF NEW JERSEY | 2478PO25244955AM01 | 364,945 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 11645SUBMOD05 | 42,303 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 11670SUBMOD05 | 58,348 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 11671SUBMOD05 | 1,058 |

State of Washington
Schedule of Expenditures of Federal Awards
Note F: Supplemental Information for Pass-Through Funds

*For the Fiscal Year Ended
June 30, 2023
(Expressed in whole dollars)*

| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12175SUBMOD04 | 253,349 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12179SUBMOD03 | 128,244 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12234SUBMOD02 | 390,237 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12331SUBMOD02 | 53,337 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12366SUBMOD2 | 26,622 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12490SUBMOD01 | 132,623 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12491SUBMOD02 | 17,612 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12509SUBMOD01 | 122,896 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12509SUBMOD02 | 323,469 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12760SUB | 228,827 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12760SUBMOD01 | 533,162 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12773SUBMOD01 | 364,244 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12783SUBMOD01 | 79,107 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12808SUBMOD01 | 188,659 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12829SUB | 52,033 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12829SUBMOD1 | 26,434 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12921SUB | 71,712 |
| 93.855 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12924SUB | 62,583 |
| 93.855 | 3600 | SOUTHCENTRAL FOUNDATION | 2022372 | 59,912 |
| 93.855 | 3600 | STATE UNIVERSITY OF NEW YORK BINGHAMTON | 90654UNIVOFWASHINGTONA | 150,675 |
| 93.855 | 3600 | STELLENBOSCH UNIVERSITY | S006256 | 49,293 |
| 93.855 | 3600 | TEMPLE UNIVERSITY | 26570802UWASHAM02 | 23,330 |
| 93.855 | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000510836SC006AMA02 | 1,023,584 |
| 93.855 | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000529618SC006R24A1067 | 276,089 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA BERKELEY | 00010756AM01 | 17,484 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1559GXG085AM02 | 159,568 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1560BLC850 | 573,694 |

State of Washington
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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1560BLC923AM01 | 3,765,594 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1560BYC861AM05 | 256,748 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1560BZA310AM01 | 35,387 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1560GLA568AM01 | 6,635 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1560GLA895 | 20,870 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1560GLC470AM04 | 13,599 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1650GLA201AM01 | 1,280,321 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA RIVERSIDE | S001012AM04 | 151,532 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 10182SCAM07 | 25,654 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 10951SCAM04 | 67,551 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11003SCAM06 | 47,697 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11313SCAM07 | 969,699 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 12906SCAM01 | 161,243 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 12944SCAM01 | 118,802 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 13150SCAM01 | 175,264 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 13738SC | 15,977 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA) | 1559GXG085AM02 | 5,307 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA) | 1560BYC861AM02 | -2,448 |
| 93.855 | 3600 | UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA) | 1560BYC861AM04 | 534,081 |
| 93.855 | 3600 | UNIVERSITY OF CAPE TOWN | UCT00035674 | 387 |
| 93.855 | 3600 | UNIVERSITY OF COLORADO | FY231210001 | 13,239 |
| 93.855 | 3600 | UNIVERSITY OF IDAHO | AH6466846139AM01 | 157,817 |
| 93.855 | 3600 | UNIVERSITY OF IDAHO | CB2558SB897826AM07 | 73,974 |
| 93.855 | 3600 | UNIVERSITY OF MASSACHUSETTS WORCESTER | OSP2018036AM008 | 19,655 |
| 93.855 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5122353AM03 | 5,752 |
| 93.855 | 3600 | UNIVERSITY OF NOTRE DAME | 203504UWAM04 | 166,000 |

State of Washington
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Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.855 | 3600 | UNIVERSITY OF OKLAHOMA | 202129AM02 | 52,935 |
| 93.855 | 3600 | UNIVERSITY OF PENNSYLVANIA | 582399AM01 | 4 |
| 93.855 | 3600 | UNIVERSITY OF PENNSYLVANIA | 584707AM02 | 102,672 |
| 93.855 | 3600 | UNIVERSITY OF PITTSBURGH | AWD000026821349442AM02 | 11,888 |
| 93.855 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON00002206AM02 | 47,266 |
| 93.855 | 3600 | UNIVERSITY OF TEXAS MEDICAL BRANCH | 218514302 | 10,794 |
| 93.855 | 3600 | UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL | GMO180806AM05 | 163,273 |
| 93.855 | 3600 | UNIVERSITY OF UTAH | 10062083UWAM1 | 137,210 |
| 93.855 | 3600 | UNIVERSITY OF UTAH | 1006210302UW | 265,470 |
| 93.855 | 3600 | UNIVERSITY OF UTAH | 1006210302UWAM01 | 11,400 |
| 93.855 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000002115 | 156,425 |
| 93.855 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000002293 | 169,953 |
| 93.855 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000002888 | 87,707 |
| 93.855 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | UW684572 | 3,821 |
| 93.855 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC101103AM02 | 34,884 |
| 93.855 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC101103AM03 | 39 |
| 93.855 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC101103AM3 | 15,578 |
| 93.855 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC74709AM04 | 249,903 |
| 93.855 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC85048AM02 | 83,387 |
| 93.855 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC85657AM02 | -3,396 |
| 93.855 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC85657AM03 | 145,653 |
| 93.855 | 3600 | VIRTICI CORPORATION | AI152646 | 45,971 |
| 93.855 | 3600 | WEILL MEDICAL COLLEGE OF CORNELL UNIV | 2219792AM05 | 10,037 |
| 93.855 | 3600 | WISTAR INSTITUTE | 2590172324AM01 | 272,808 |
| 93.855 | 3650 | ALBERT EINSTEIN COLLEGE OF MEDICINE | "31162B | 111,803 |
| 93.855 | 3650 | MAYO CLINIC | "WAS255636 | 115,189 |
| 93.855 | 3650 | RESEARCH TRIANGLE INSTITUTE | "11312021753066834L | 25,242 |

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June 30, 2023
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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.855 | 3650 | RESEARCH TRIANGLE INSTITUTE | "43120217530 | 5,834 |
| 93.855 | 3650 | TULANE UNIVERSITY | "TULHSC5605792223 | 19,940 |
| 93.855 | 3650 | UNIVERSITY OF ORTH CAROLINA CHAPEL HILL | "5106846 | 44,361 |
| 93.855 | 3650 | UNIVERSITY OF MINNESOTA | "H009691402 | 53,503 |
| 93.855 | 3650 | UNIVERSITY OF NEBRASKA MEDICAL CENTER | "3453012214001 | 179,996 |
| 93.855 | 3650 | UNIVERSITY OF PRETORIA | "MO070619 | 26,221 |
| 93.859 | 3600 | BROWN UNIVERSITY | 00002186 | 22,646 |
| 93.859 | 3600 | FLORIDA INTERNATIONAL UNIVERSITY | 000577AM01 | 53,156 |
| 93.859 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001135621 | 8,839 |
| 93.859 | 3600 | INSTITUTE FOR SYSTEMS BIOLOGY | 20190005AM03 | 125,649 |
| 93.859 | 3600 | MONTANA STATE UNIVERSITY | G26622W9487AM02 | 243,603 |
| 93.859 | 3600 | PENNSYLVANIA STATE UNIVERSITY | S002007DHHSAM01 | 83,714 |
| 93.859 | 3600 | PROTEIN METRICS | UWOSPA161600AM01 | 102,844 |
| 93.859 | 3600 | SOUTHCENTRAL FOUNDATION | 2021466 | 4,403 |
| 93.859 | 3600 | SOUTHCENTRAL FOUNDATION | 2021468 | 4,584 |
| 93.859 | 3600 | SOUTHCENTRAL FOUNDATION | 2022010 | 3,267 |
| 93.859 | 3600 | SOUTHCENTRAL FOUNDATION | 2022214PRIOR2021370AM0 | 15,214 |
| 93.859 | 3600 | SOUTHCENTRAL FOUNDATION | 2022417 | 57,891 |
| 93.859 | 3600 | SOUTHCENTRAL FOUNDATION | 2022505AM01 | 87,614 |
| 93.859 | 3600 | SOUTHCENTRAL FOUNDATION | 2022506AMEND2021466AM1 | 34,528 |
| 93.859 | 3600 | STANFORD UNIVERSITY | 62244825136718AM01 | 172,038 |
| 93.859 | 3600 | STANFORD UNIVERSITY | 62244825136718AM03 | 66,878 |
| 93.859 | 3600 | STANFORD UNIVERSITY | 62244825136718AM06 | 382,341 |
| 93.859 | 3600 | UNIV OF KANSAS MEDICAL CTR RSCH INST INC | FY2023059 | 56,320 |
| 93.859 | 3600 | UNIVERSITY OF FLORIDA | SUB00003607 | 53,150 |
| 93.859 | 3600 | UNIVERSITY OF UTAH | 1004493208AM006 | 1,569 |
| 93.859 | 3600 | VANDERBILT UNIVERSITY | UNIV60752AM03 | -3,460 |
| 93.859 | 3650 | ORTHWEST INDIAN COLLEGE | "NWIC24230SAWSU | 270,076 |

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Note F: Supplemental Information for Pass-Through Funds

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.859 | 3650 | SOUTHERN METHODIST UNIVERSITY | "G0019077500 | 60,509 |
| 93.859 | 3650 | TEXAS A&M UNIVERSITY | "M2100083 | 65,761 |
| 93.859 | 3650 | THE CITY UNIVERSITY OF NEW YORK - YORK COLLEGE | "CM00008490 | 8,923 |
| 93.859 | 3650 | WABANAKI PUBLIC HEALTH | "139375 | 525,033 |
| 93.859 | 3650 | WILLAMETTE UNIVERSITY | "R15GM132845WSU | 29,869 |
| 93.859 | 3750 | Montana State University Billings | 621-003-01 | 35,563 |
| 93.859 | 6990 | PSU | 205cre480 | 32,027 |
| 93.860 | 3600 | OLIVE VIEW-UCLA EDUCATION & RESEARCH INSTITUTE | 2022R3 | 36 |
| 93.860 | 3600 | OLIVE VIEW-UCLA EDUCATION & RESEARCH INSTITUTE | 2211R1 | 20,621 |
| 93.865 | 3600 | ALBERT EINSTEIN HEALTHCARE NETWORK | 618B4436SE49714971AM03 | 79,015 |
| 93.865 | 3600 | ANELLEO, INC. | AM01 | 119,704 |
| 93.865 | 3600 | ANN & ROBERT H LURIE CHILDRENS HOSPITAL | A220163S002 | 14,874 |
| 93.865 | 3600 | BRIGHAM AND WOMEN'S HOSPITAL | 125594AM02 | 68,920 |
| 93.865 | 3600 | CROSSLIFE TECHNOLOGIES INC | UW665699 | 176,695 |
| 93.865 | 3600 | FLORIDA STATE UNIVERSITY | R000003132 | 3,412 |
| 93.865 | 3600 | FLORIDA STATE UNIVERSITY | R000003162 | 9,962 |
| 93.865 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001027004AM03 | -163,256 |
| 93.865 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001109966AM01 | 317,660 |
| 93.865 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001127576AM01 | 338,534 |
| 93.865 | 3600 | GELBCHEM LLC | UW664451 | 36,697 |
| 93.865 | 3600 | GEORGIA INSTITUTE OF TECHNOLOGY | AWD002298G2AM02 | 21,681 |
| 93.865 | 3600 | HARVARD UNIVERSITY | 11726702875119062 | 1,638 |
| 93.865 | 3600 | HARVARD UNIVERSITY | 11726703875119062 | 20,415 |
| 93.865 | 3600 | HEALTH RESEARCH INC | 49001 | 14,440 |
| 93.865 | 3600 | LOUISIANA STATE UNIVERSITY | AH19105003A4AM04 | 7,203 |
| 93.865 | 3600 | MASSACHUSETTS GENERAL HOSPITAL | 239457AM01 | 51,017 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.865 | 3600 | NORTHERN ARIZONA UNIVERSITY | 100495102 | 16,379 |
| 93.865 | 3600 | SALUS DISCOVERY LLC | AM01 | 142,025 |
| 93.865 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12119SUBMOD04 | 19,514 |
| 93.865 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12380SUBMOD02 | 3,235 |
| 93.865 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12567SUBMOD1 | 7,944 |
| 93.865 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12733SUBMOD01 | 48,669 |
| 93.865 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12870SUBMOD01 | 256,385 |
| 93.865 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12871SUBAWD00000304MOD | 33,938 |
| 93.865 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12952SUBMOD01 | 217,980 |
| 93.865 | 3600 | SEATTLE CHILDREN'S HOSPITAL | 13005SUB | 91,420 |
| 93.865 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | IJ14GRANTA1SIBCR | 10,552 |
| 93.865 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | IJ25IJ22SIBCR | 4,036 |
| 93.865 | 3600 | SHEPHERD CENTER INC | SHEP230005 | 1,726 |
| 93.865 | 3600 | SHIRLEY RYAN ABILITYLAB | 82326UWY2 | 3,161 |
| 93.865 | 3600 | SHIRLEY RYAN ABILITYLAB | 82326UWY2A1AM01 | 11,569 |
| 93.865 | 3600 | UNIVERSITY OF CALIFORNIA IRVINE | 20221728 | 48,852 |
| 93.865 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1920GUA066AM05 | 34,752 |
| 93.865 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00009201AM05 | 20,280 |
| 93.865 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00013590AM02 | 28,199 |
| 93.865 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00016114AM02 | 218,087 |
| 93.865 | 3600 | UNIVERSITY OF MISSOURI COLUMBIA | C000753817AM01 | -4,342 |
| 93.865 | 3600 | UNIVERSITY OF MISSOURI COLUMBIA | C000793527 | 136,160 |
| 93.865 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5109092AM03 | 7,028 |
| 93.865 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5109092AM04 | 24,927 |
| 93.865 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5126130 | 19,964 |
| 93.865 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5126131 | 145,532 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.865 | 3600 | UNIVERSITY OF PITTSBURGH | AWD0000318841932613 | 5,482 |
| 93.865 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | 134751633AM03 | 90,561 |
| 93.865 | 3600 | UNIVERSITY OF TEXAS MEDICAL BRANCH | 238626306 | 177,687 |
| 93.865 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU19329MOD4 | 322,772 |
| 93.865 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU220482MOD2 | 517,387 |
| 93.865 | 3600 | WOMEN & INFANTS HOSPITAL OF RHODE ISLAND | 500180103 | -48 |
| 93.865 | 3600 | WOMEN & INFANTS HOSPITAL OF RHODE ISLAND | 500180103AM02 | 228,923 |
| 93.865 | 3600 | WOMEN & INFANTS HOSPITAL OF RHODE ISLAND | 500180103AM03 | 80,970 |
| 93.865 | 3650 | ARIZONA STATE UNIVERSITY | "ASUB00000308 | -11,885 |
| 93.866 | 3600 | ALLEN INSTITUTE | A142285AM03 | 29,777 |
| 93.866 | 3600 | ALLEN INSTITUTE | A142285AM04 | 743,023 |
| 93.866 | 3600 | ALLEN INSTITUTE | A142285AM05 | 368,786 |
| 93.866 | 3600 | ALLEN INSTITUTE | UW636835 | 46,741 |
| 93.866 | 3600 | ALLEN INSTITUTE | UW636837 | 25,169 |
| 93.866 | 3600 | AUGUSTA UNIVERSITY | 378455 | 20,187 |
| 93.866 | 3600 | BETH ISRAEL DEACONESS MEDICAL CENTER | 01064588 | 24,004 |
| 93.866 | 3600 | BOSTON MEDICAL CENTER | 4961UWASH03A2AM02 | 55,105 |
| 93.866 | 3600 | BOSTON UNIVERSITY | 4500003041AM05 | 141,502 |
| 93.866 | 3600 | BOSTON UNIVERSITY | 4500003082AM04 | 60,336 |
| 93.866 | 3600 | BOSTON UNIVERSITY | 4500003432AM003 | 109,159 |
| 93.866 | 3600 | BOSTON UNIVERSITY | 4500003470AM03 | 73,207 |
| 93.866 | 3600 | BOSTON UNIVERSITY | 4500004111AM004 | 92,963 |
| 93.866 | 3600 | BOSTON UNIVERSITY | 4500004405AM006 | 388,817 |
| 93.866 | 3600 | BRIGHAM AND WOMEN'S HOSPITAL | 125298AM02 | 128,108 |
| 93.866 | 3600 | BROWN UNIVERSITY | 00001958AM01 | 46,315 |
| 93.866 | 3600 | BROWN UNIVERSITY | 00002080AM01 | 191,994 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.866 | 3600 | BROWN UNIVERSITY | 00002197 | 41,256 |
| 93.866 | 3600 | CLEVELAND CLINIC FOUNDATION | CCF22039468AM01 | 12,366 |
| 93.866 | 3600 | COLUMBIA UNIVERSITY | 1GG01479201AM02 | 58,102 |
| 93.866 | 3600 | COLUMBIA UNIVERSITY | 3GG01535303AM01 | 96,894 |
| 93.866 | 3600 | COLUMBIA UNIVERSITY | 3GG01754302AM1 | 84,513 |
| 93.866 | 3600 | COLUMBIA UNIVERSITY | 4GG01512901POG16773AM0 | 32,291 |
| 93.866 | 3600 | COLUMBIA UNIVERSITY | 8GG01582206G15783 | 135,926 |
| 93.866 | 3600 | COLUMBIA UNIVERSITY | 8GG01582207AM01 | 1,308 |
| 93.866 | 3600 | COLUMBIA UNIVERSITY | 8GG01582207G15783AM02 | 813 |
| 93.866 | 3600 | DREXEL UNIVERSITY | 900142AM01 | 48,253 |
| 93.866 | 3600 | DUKE UNIVERSITY | A033241AM03 | 450,731 |
| 93.866 | 3600 | EMORY UNIVERSITY | A546972AM004 | 98,708 |
| 93.866 | 3600 | EMORY UNIVERSITY | A684278 | 58,143 |
| 93.866 | 3600 | EMORY UNIVERSITY | A700669FORMERLYA546972 | 308,880 |
| 93.866 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255B7414609AM05 | 166,964 |
| 93.866 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255B8514609AM07 | 82,934 |
| 93.866 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255B8514609AM08 | 111,652 |
| 93.866 | 3600 | ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI | 0255E3014609AM01 | 55,176 |
| 93.866 | 3600 | INSTITUTE FOR SYSTEMS BIOLOGY | 20200009AM01 | 18,242 |
| 93.866 | 3600 | JACKSON LABORATORY | 210317032204AM01 | 64,072 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211392UWONCAM02 | 106,266 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211393UWOFFCAM02 | 3,116 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211393UWONCAM01 | 112,054 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211393UWONCAM03 | 152,527 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211393UWVSLUAM03 | 114,440 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211394UWONCAM01 | 64,709 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211394UWVSLUAM02 | 299,885 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211395UWONCAM3 | 174,418 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211396UWOFFCAM02 | 649,141 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211396UWONCAM02 | 154,810 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211397UWONCAM02 | 63,616 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211398UWONCAM01 | 925,120 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211398UWSLU | 172,694 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211399UWONCAM01 | 177,582 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211399UWSLUAM2 | 106,282 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211400UWOFFCAM02 | 116,190 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | RNG211400UWONCAM02 | 92,757 |
| 93.866 | 3600 | KAISER FOUNDATION HEALTH PLAN OF WA | UW664737 | 53,691 |
| 93.866 | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | RNG209925UWAM07 | 54,338 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211393UWOFFCAM02 | 599 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211393UWONCAM03 | 5,819 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211393UWSLUAM03 | 2,736 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211394UWONCAM01 | 13,512 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211394UWSLUAM02 | 59,861 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211395UWONCAM3 | 7,722 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211396UWOFFCAM02 | 115,897 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211397UWONCAM02 | 11,120 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211399UWONCAM01 | 47,664 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211399UWSLUAM2 | 3,569 |
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211400UWOFFCAM02 | 21,656 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.866 | 3600 | KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE | RNG211400UWONCAM02 | 19,987 |
| 93.866 | 3600 | MAYO CLINIC | UNI304383PO69058593 | 42,908 |
| 93.866 | 3600 | MAYO CLINIC | UNW312328PO000055634 | 5,139 |
| 93.866 | 3600 | MAYO CLINIC | UOW26313402PO68234536A | 201,492 |
| 93.866 | 3600 | MAYO CLINIC | WAS26313402 | 40 |
| 93.866 | 3600 | NATIONAL BUREAU OF ECONOMIC RESEARCH INC | 418400002UWAM04 | 99,143 |
| 93.866 | 3600 | NORTHERN CALIFORNIA INST FOR RSCH & EDUC | SHL212004AM05 | 35,372 |
| 93.866 | 3600 | NORTHWESTERN UNIVERSITY | 60048332UWA04 | -1,134 |
| 93.866 | 3600 | NORTHWESTERN UNIVERSITY | 60048332UWA05 | 32,575 |
| 93.866 | 3600 | NORTHWESTERN UNIVERSITY | 60060219UWAA01 | 109,551 |
| 93.866 | 3600 | NORTHWESTERN UNIVERSITY | 6048329UWA05 | 3,163 |
| 93.866 | 3600 | NORTHWESTERN UNIVERSITY | 6048330UWA06 | 6,324 |
| 93.866 | 3600 | NORTHWESTERN UNIVERSITY | 6048331UWA05 | 3,163 |
| 93.866 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1015875UWAAM01 | 53,610 |
| 93.866 | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1015875UWAAM02 | 155,516 |
| 93.866 | 3600 | RUSH UNIVERSITY MEDICAL CENTER | 17021705SUB04AM02 | -1,962 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BW218BW25SIBCRM01 | 23,966 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BW218FUJIMT3SIBCR | 32,982 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BW218OMERM2SIBCRM01 | -1,312 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BW218SFUJIMT3SIBCR | 14,135 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | BW218SRE22SIBCR | 8,492 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | CD39PARTARM1SIBCR | 9,914 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | CD39UW1 | 7,298 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | CD39UW2AM1 | 28,299 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ116HERODM4SIBCR | 8,520 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ118GJ13SIBCR | 11,045 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ118GJ14SIBCR | 2,109 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ118HERODM3SIBCR | 27,401 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | GJ118UW2AM02 | 49,571 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | IJ22IJ24SIBCR | 8,693 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB210AHANM2SIBCR | 16,771 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB210AHANM3SIBCR | 12,652 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB210AKB22SIBCR | 25,539 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB210AKB23SIBCR | 18,242 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB210AMCMILP3SIBCR | 20,892 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | KB210AMCMILP4SIBCR | 17,909 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LG16IJ21SIBCR | 2,354 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LN15JADHAV2SIBCR | 5,720 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LN15LONGA1SIBCR | 16,035 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LN15LONGA2SIBCR | 4,582 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LN15TOSCAL2SIBCRM01 | 71,798 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LN15UW2 | 99,388 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | LN15UW2AM01 | 59,944 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE158PE14SIBCR | 16,617 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE163LG12SIBCR | 9,042 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | PE163PE12SIBCR | 13,164 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | TD112ATD15SIBCR | 4,447 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | TD120ATD12SIBCR | 14,265 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | TD122BHS21SIBCR | 12,102 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | TD122BTD11SIBCR | 35,840 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | TD122BUW1 | 10,591 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | TD122HS23SIBCR | 1,371 |
| 93.866 | 3600 | SEATTLE INST FOR BIOMED & CLINICAL RSCH | TD122TD13SIBCR | 4,712 |
| 93.866 | 3600 | STANFORD UNIVERSITY | 61627910128473AM004 | -133 |

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.866 | 3600 | SUTTER BAY HOSPITALS | 280201015S221AM06 | 181,098 |
| 93.866 | 3600 | UNIV OF TEXAS HEALTH SCI CTR SAN ANTONIO | 164388164378AM06 | 432,937 |
| 93.866 | 3600 | UNIV OF TEXAS HEALTH SCI CTR SAN ANTONIO | 168701168699AM02 | 25,536 |
| 93.866 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1558GWA112AM04 | 11,425 |
| 93.866 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 10841SCAM04 | 15,812 |
| 93.866 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11075SCAM06 | 18,736 |
| 93.866 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 12347SCAM04 | 204,350 |
| 93.866 | 3600 | UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA) | 1560BWB288AM04 | 1,624 |
| 93.866 | 3600 | UNIVERSITY OF CALIFORNIA, SAN DIEGO (UCSD) | 87749088AM003 | 1,426 |
| 93.866 | 3600 | UNIVERSITY OF COLORADO | FY19875002FY22875002AM | 9,848 |
| 93.866 | 3600 | UNIVERSITY OF COLORADO | FY22830001 | 125,020 |
| 93.866 | 3600 | UNIVERSITY OF COLORADO | FY22830001AM03 | 382,329 |
| 93.866 | 3600 | UNIVERSITY OF FLORIDA | SUB00002628AM03 | 27,246 |
| 93.866 | 3600 | UNIVERSITY OF MELBOURNE | GL064596UWSY4AM04 | 61,247 |
| 93.866 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00009657AM04 | 83,654 |
| 93.866 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00011202AM03 | 106,959 |
| 93.866 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00016445 | 38,970 |
| 93.866 | 3600 | UNIVERSITY OF MICHIGAN ANN ARBOR | SUBK00017248 | 6,915 |
| 93.866 | 3600 | UNIVERSITY OF MICHIGAN, ANN ARBOR | SUBK00011202AM03 | 33,835 |
| 93.866 | 3600 | UNIVERSITY OF MINNESOTA | P008447401AM01 | 21,694 |
| 93.866 | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5124100AM01 | 18,266 |
| 93.866 | 3600 | UNIVERSITY OF PENNSYLVANIA | 577437AM04 | 20,040 |
| 93.866 | 3600 | UNIVERSITY OF PENNSYLVANIA | 580327AM02 | 19,139 |
| 93.866 | 3600 | UNIVERSITY OF PENNSYLVANIA | 580529AM01 | 14,137 |
| 93.866 | 3600 | UNIVERSITY OF PENNSYLVANIA | 584640AM03 | 13,882 |
| 93.866 | 3600 | UNIVERSITY OF PENNSYLVANIA | 584640AM04 | 26,873 |

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Note F: Supplemental Information for Pass-Through Funds

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.866 | 3600 | UNIVERSITY OF PENNSYLVANIA | 585940 | 17,565 |
| 93.866 | 3600 | UNIVERSITY OF PENNSYLVANIA | 586117AM2 | 102,042 |
| 93.866 | 3600 | UNIVERSITY OF PENNSYLVANIA | 587103AM5 | 5,430 |
| 93.866 | 3600 | UNIVERSITY OF PITTSBURGH | AWD000035471358751AM01 | 229,201 |
| 93.866 | 3600 | UNIVERSITY OF PITTSBURGH | AWD000047371370531 | 16,125 |
| 93.866 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | 109309268AM04 | 28,225 |
| 93.866 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | 124009907AM04 | 23,302 |
| 93.866 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | 137298298AM01SCON00002 | 51,256 |
| 93.866 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | 137298298AM2 | 258,855 |
| 93.866 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | 97832536AM04 | -32,368 |
| 93.866 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA | SCON00004066 | 30,585 |
| 93.866 | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA (USC) | 131446809AM02 | 945 |
| 93.866 | 3600 | UNIVERSITY OF TEXAS AUSTIN | UTAUSSUB00000895 | 32,464 |
| 93.866 | 3600 | UNIVERSITY OF TEXAS MEDICAL BRANCH | 218557601 | -3,797 |
| 93.866 | 3600 | UNIVERSITY OF TEXAS MEDICAL BRANCH | 228557602 | 138,243 |
| 93.866 | 3600 | UNIVERSITY OF TEXAS SAN ANTONIO | 171841171837 | 66,191 |
| 93.866 | 3600 | UNIVERSITY OF VERMONT | 30340SUB52029UOFWASHAM | 12,921 |
| 93.866 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 000000685AM03 | 14,677 |
| 93.866 | 3600 | UNIVERSITY OF WISCONSIN MADISON | 0000002701 | 14,874 |
| 93.866 | 3600 | UNIVERSITY OF WISCONSIN, MADISON | 0000001964AM02 | 38,247 |
| 93.866 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | UW665882 | 3,116 |
| 93.866 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC68180AM05 | 122,552 |
| 93.866 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC95666AM02 | 12,802 |
| 93.866 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC95855 | 94,503 |
| 93.866 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC95855AM01 | 400,614 |
| 93.866 | 3600 | WAKE FOREST UNIVERSITY | 1080336641100000915AM | 2,515 |
| 93.866 | 3600 | WAKE FOREST UNIVERSITY | 11024511611000000260 | 127,292 |
| 93.866 | 3600 | WAKE FOREST UNIVERSITY | 1143366410000551083AM0 | 159,223 |

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Note F: Supplemental Information for Pass-Through Funds

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.866 | 3600 | WAKE FOREST UNIVERSITY | 12773366411000000619 | 85,147 |
| 93.866 | 3600 | WAKE FOREST UNIVERSITY | 13303366411000000619 | 19,067 |
| 93.866 | 3600 | WAKE FOREST UNIVERSITY | 17104510811000000214 | 36,135 |
| 93.866 | 3600 | WAKE FOREST UNIVERSITY | 3713366410000111041AM0 | 62,676 |
| 93.866 | 3600 | WASHINGTON UNIVERSITY IN ST LOUIS | WU19279MOD6AM06 | 46,952 |
| 93.866 | 3600 | WASHINGTON UNIVERSITY IN ST. LOUIS | WU2042MOD3 | 3,842 |
| 93.866 | 3650 | COLUMBIA UNIVERSITY | "1GG019220 | 1,950 |
| 93.866 | 3650 | UNIVERSITY OF ARIZONA | "676032 | 93,638 |
| 93.866 | 3650 | UNIVERSITY OF CALIFORNIA DAVIS | "A201801S001 | 152,520 |
| 93.866 | 3650 | UNIVERSITY OF COLORADO | "FY16001015 | 9,237 |
| 93.867 | 3600 | ALLEN INSTITUTE | 20200288AM02 | 18,310 |
| 93.867 | 3600 | CHROMOLOGIC, LLC | MSA030 | 97,400 |
| 93.867 | 3600 | COLUMBIA UNIVERSITY | 1GG01795901 | 44,645 |
| 93.867 | 3600 | JOHNS HOPKINS UNIVERSITY | 2005261524AM02 | 110,971 |
| 93.867 | 3600 | JOHNS HOPKINS UNIVERSITY | UG1EY033293 | 8,864 |
| 93.867 | 3600 | JOHNS HOPKINS UNIVERSITY (JHU) | 2004876349AM04 | 4,741 |
| 93.867 | 3600 | MEDICAL COLLEGE OF WISCONSIN | AM001 | 5,751 |
| 93.867 | 3600 | MEDICAL COLLEGE OF WISCONSIN | AM002 | 29,688 |
| 93.867 | 3600 | MEDICAL COLLEGE OF WISCONSIN | AM01 | 21 |
| 93.867 | 3600 | NEW YORK UNIVERSITY | F196001AM01 | 50,509 |
| 93.867 | 3600 | RESEARCH FOUNDATION FOR STATE UNIV OF NY | R1343633 | 22,954 |
| 93.867 | 3600 | STANFORD UNIVERSITY | 62015716136077AM003 | 3,814 |
| 93.867 | 3600 | STANFORD UNIVERSITY | 62015716136077AM04 | 51,630 |
| 93.867 | 3600 | STANFORD UNIVERSITY | 62015716136077AM05 | 72,019 |
| 93.867 | 3600 | STANFORD UNIVERSITY | 62066366133041AM05 | 91,591 |
| 93.867 | 3600 | STANFORD UNIVERSITY | 62746996206461AM02 | 105,969 |
| 93.867 | 3600 | STANFORD UNIVERSITY | 63129299133041 | 28,587 |

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Note F: Supplemental Information for Pass-Through Funds

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| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.867 | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000521712SC002 | 93,222 |
| 93.867 | 3650 | JOHNS HOPKINS UNIVERSITY | "2003370134 | -786 |
| 93.867 | 3650 | OREGON HEALTH & SCIENCES UNIVERSITY | "1014154WSU | 90,555 |
| 93.867 | 3650 | UNIVERSITY OF IDAHO | "CB4725897942 | 24,838 |
| 93.867 | 3650 | UNIVERSITY OF MARYLAND BALTIMORE COUNTY | "HHS0009001 | 253,713 |
| 93.877 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1557GZC461AM01 | 7,246 |
| 93.877 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 1557PLA58501 | 18,415 |
| 93.877 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 2000GYC804AM002 | 49,114 |
| 93.877 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | 2000GYC804AM03 | 166,832 |
| 93.879 | 3600 | GEORGE MASON UNIVERSITY | E2048782AM02 | 2,602 |
| 93.879 | 3600 | GEORGE MASON UNIVERSITY | E2060341 | 49,807 |
| 93.879 | 3600 | UNIV OF TEXAS HEALTH SCI CTR AT HOUSTON | SA0000747AM03 | 43,264 |
| 93.889 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11786SC | 53,318 |
| 93.889 | 3600 | UNIVERSITY OF CALIFORNIA SAN FRANCISCO | 11786SCAM03 | 39,989 |
| 93.914 | 3100 | Public Health Seattle & King County | 8449 PREV | 130,768 |
| 93.917 | 3600 | IDAHO DEPARTMENT OF HEALTH AND WELFARE | HC291600 | 93,555 |
| 93.924 | 6990 | OHSU | 1013415_cl | 9,166 |
| 93.958 | 6990 | Spokane County | 21ASO2486 | 54,196 |
| 93.959 | 3600 | MONTANA DEPARTMENT OF PUBLIC HEALTH | 18102745160AM04 | 101,639 |
| 93.959 | 3600 | MONTANA DEPARTMENT OF PUBLIC HEALTH | 18332745160AM03 | 34,349 |
| 93.959 | 3600 | UTAH DEPARTMENT OF HUMAN SERVICES | 196354 | 74,918 |
| 93.967 | 3600 | NATIONAL NETWORK OF PUBLIC HEALTH INST | G2530AG1143 | 35,136 |
| 93.970 | 3650 | OREGON HEALTH & SCIENCES UNIVERSITY | "1016600WSU | 86,559 |
| 93.977 | 3600 | UNIVERSITY OF IDAHO | DM6068818823AM01 | 57,935 |
| 93.989 | 3600 | AGA KHAN UNIVERSITY HOSPITAL | 004AM03 | 54,669 |
| 93.989 | 3600 | AGA KHAN UNIVERSITY HOSPITAL | 005AM04 | 52,946 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.989 | 3600 | KWAME NKURUMAH UNIVERSITY OF SCI & TECH | A110910819CHS0502AM07 | 47,386 |
| 93.989 | 3600 | UNIVERSIDAD PERUANA CAYETANO HEREDIA | 202275 | 103,183 |
| 93.989 | 3600 | UNIVERSIDAD PERUANA CAYETANO HEREDIA | AM1 | 2,777 |
| 93.989 | 3600 | UNIVERSIDAD PERUANA CAYETANO HEREDIA | UW674085 | 13,582 |
| 93.989 | 3600 | UNIVERSITY OF NAIROBI | A148221YR4 | 19,135 |
| 93.989 | 3600 | UNIVERSITY OF NAIROBI | STRAMCHRYEAR1 | 2,624 |
| 93.989 | 3600 | UNIVERSITY OF NAIROBI | UON1R21TW01146001MOD03 | 32,933 |
| 93.989 | 3600 | UNIVERSITY OF UTAH | 1005926203POU000334651 | 17,627 |
| 93.994 | 3700 | PREPaRE Training-Idaho Lives | CONTRACT #23-7823 | 1,383 |
| 93.RD | 3070 | Seattle Children Hospital | 12752SUB | 116,253 |
| 93.RD | 3600 | ACOUSTIC INC | UW687290 | 20,863 |
| 93.RD | 3600 | ADVANCED BIOSCIENCE LABORATORIES INC | 14011000070000MOD06 | 182,714 |
| 93.RD | 3600 | ADVANCED BIOSCIENCE LABORATORIES INC | 14011000070000MOD07 | 23,382 |
| 93.RD | 3600 | ALTIS BIOSYSTEMS INC | UW630778 | -16,192 |
| 93.RD | 3600 | ALZHEIMER'S ASSOCIATION | UW666857 | 4,252 |
| 93.RD | 3600 | ALZHEIMER'S ASSOCIATION | UW684295 | 19,044 |
| 93.RD | 3600 | AVITA MEDICAL | UW668867 | 7,960 |
| 93.RD | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | 0215103S01A01 | 21,365 |
| 93.RD | 3600 | BENAROYA RESEARCH INST AT VIRGINIA MASON | 0215104S01 | 72,621 |
| 93.RD | 3600 | BIODEPOT LLC | UW631885 | 31,147 |
| 93.RD | 3600 | COMPUTERCRAFT CORPORATION | SUBCONTRACTNO4MOD1 | 102,299 |
| 93.RD | 3600 | COMPUTERCRAFT CORPORATION | SUBCONTRACTNO4MOD2 | 367,974 |
| 93.RD | 3600 | DUKE UNIVERSITY | 146SPS260845AM001 | 35,266 |
| 93.RD | 3600 | DUKE UNIVERSITY | 7271OPPORTUNITY1TO51A | 17,849 |
| 93.RD | 3600 | DUKE UNIVERSITY | 8308BMS01 | 13,001 |
| 93.RD | 3600 | FAMILY HEALTH CENTERS OF SAN DIEGO | 75D30121C11341 | 126,904 |
| 93.RD | 3600 | FRED HUTCHINSON CANCER CENTER | 0001063279AM03 | 8,325 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.RD | 3600 | FRED HUTCHINSON CANCER CENTER | 0001063279AM4 | 6,229 |
| 93.RD | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001135972 | 81,211 |
| 93.RD | 3600 | FRED HUTCHINSON CANCER CENTER (FHCC) | 0001135972AM01 | 1,923 |
| 93.RD | 3600 | FRED HUTCHINSON CANCER RESEARCH CENTER (FHCRC) | 0001057710AM03 | 170,013 |
| 93.RD | 3600 | GEORGIA STATE UNIVERSITY | SP0001510001AM02 | 73,684 |
| 93.RD | 3600 | HARVARD UNIVERSITY | 1097865110787AM03 | -12,953 |
| 93.RD | 3600 | HARVARD UNIVERSITY | 1097865110787AM04 | 661,724 |
| 93.RD | 3600 | HARVARD UNIVERSITY | 1097865110787AM05 | 186,509 |
| 93.RD | 3600 | HEALTH RESEARCH INC | 718701 | 10,547 |
| 93.RD | 3600 | HEALTH RESEARCH INC | 721201 | 63,891 |
| 93.RD | 3600 | HEALTH RESEARCH INC | 722101 | 72,148 |
| 93.RD | 3600 | HENNEPIN HEALTHCARE RESEARCH INSTITUTE | 75N94019C00006AM03 | 20,523 |
| 93.RD | 3600 | ICF INCORPORATED, L.L.C. | 53415 | 13,215 |
| 93.RD | 3600 | JAMES BELL ASSOCIATES, INC. | 7820162400001 | 25,438 |
| 93.RD | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | OOS030579UW01AM01 | 3,927,910 |
| 93.RD | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | OOS030579UW01AM02 | 4,410,410 |
| 93.RD | 3600 | KAISER FOUNDATION RESEARCH INSTITUTE | OOS030579UW02AM02 | 5,401,913 |
| 93.RD | 3600 | KING COUNTY | 7506PREV | 16,097 |
| 93.RD | 3600 | LEIDOS BIOMEDICAL RESEARCH INC | SA21006MOD02 | 21,743 |
| 93.RD | 3600 | LEIDOS BIOMEDICAL RESEARCH, INC. | 22CTADM0019MOD02 | 343,704 |
| 93.RD | 3600 | MEDIWOUND LTD | MW20180621 | 83,789 |
| 93.RD | 3600 | MISSOURI BREAKS INDUSTRIES INC | SHSTA1001UW | 36,530 |
| 93.RD | 3600 | MISSOURI BREAKS INDUSTRIES INC | SHSTB1004UW | 10,871 |
| 93.RD | 3600 | MISSOURI BREAKS INDUSTRIES INC | SHSTB2004UW | 4,036 |
| 93.RD | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1014432UWAAM004 | 201,865 |
| 93.RD | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1014432UWAAM03 | 3,179 |
| 93.RD | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY | 1014432UWAAM05 | 268,786 |

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|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.RD | 3600 | OREGON HEALTH & SCIENCE UNIVERSITY (OHSU) | 1020599UWAAM02 | 78,366 |
| 93.RD | 3600 | RUSH UNIVERSITY MEDICAL CENTER | 20042803SUB02 | 491,817 |
| 93.RD | 3600 | RUSH UNIVERSITY MEDICAL CENTER | 20042803SUB02AM02 | 3,812,493 |
| 93.RD | 3600 | SANDIA NATIONAL LABORATORIES | PO2152280REV03 | 73,900 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12248SUB | 10,037 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12452SUBYEAR2BASEAM02 | 276,020 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12454SUBAM01 | 2 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12455SUBAM01 | 80,521 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12520SUBOPTION2AM01 | 60,073 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12647SUB | 16,339 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12649SUB | 70,780 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12651SUB | 30,950 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12652SUB | 48,068 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12659SUB | 41,798 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12660SUB | 35,074 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12661SUB | 34,050 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12699SUB | 83,079 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12700SUBAM01 | 45,713 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12709SUBAM01 | 553,433 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12910SUB | 589,818 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12911SUB | 35,573 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12912SUB | 31,604 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12913SUB | 568,903 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12914SUB | 117,176 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12915SUB | 125,073 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12930SUB | 78,838 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12932SUB | 7,453 |

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|-------------------------------|-------------------------|--|--------------------------------------|---------------------------|
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12933SUB | 418,397 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 12934SUB | 30,173 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 13024SUB | 157,388 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | 13025SUB | 105,511 |
| 93.RD | 3600 | SEATTLE CHILDREN'S HOSPITAL | UW630858 | 31,907 |
| 93.RD | 3600 | SPECTREE LLC | A175366 | 35,600 |
| 93.RD | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000524050T007007AM03 | 8,201 |
| 93.RD | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000527765T001001AM01 | 30,059 |
| 93.RD | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000527765T002001AM05 | 69,632 |
| 93.RD | 3600 | UNIVERSITY OF ALABAMA AT BIRMINGHAM | 000527766T002001AM03 | 38,962 |
| 93.RD | 3600 | UNIVERSITY OF CALIFORNIA BERKELEY | 00011170 | 99,657 |
| 93.RD | 3600 | UNIVERSITY OF CHICAGO | AWD101462EAM06 | 325,078 |
| 93.RD | 3600 | UNIVERSITY OF MISSISSIPPI MEDICAL CENTER | SP14257SB11AM03 | 2,189 |
| 93.RD | 3600 | UNIVERSITY OF MISSISSIPPI MEDICAL CENTER | SP14542SB11AM04 | 16,340 |
| 93.RD | 3600 | UNIVERSITY OF NORTH CAROLINA CHAPEL HILL | 5122494AM02 | 72,175 |
| 93.RD | 3600 | UNIVERSITY OF SOUTHERN CALIFORNIA (USC) | 131446521AM02 | 2,798 |
| 93.RD | 3600 | UNIVERSITY OF UTAH | 1006111902UW | 209,494 |
| 93.U01 | 3600 | FRED HUTCHINSON CANCER CENTER | 0001138839PROJ227752 | 1,603 |
| 93.U02 | 3600 | BIOMIMETIX JV, LLC | 00062660AM05 | 11,491 |
| 93.U04 | 3600 | AMERICAN PSYCHIATRIC ASSOCIATION | AM03 | 3,568 |
| 93.U05 | 3600 | EASTERN BAND OF CHEROKEE INDIANS | CONTRACT2200389 | 55,102 |
| 93.U06 | 3600 | ACUMEN LLC | MIDS19F0003T0014AMOD4 | 3,372 |
| 93.U07 | 3600 | ACUMEN LLC | MIDS19F0003T0014MOD003 | 809 |
| 93.U08 | 3600 | UNIVERSITY OF CALIFORNIA LOS ANGELES | PO1557PZA551 | 439 |
| 93.U09 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC105667 | 136,319 |
| 93.U10 | 3600 | VANDERBILT UNIVERSITY MEDICAL CENTER | VUMC97784AM01 | 42,130 |
| 93.U11 | 3650 | SEATTLE CHILDREN'S RESEARCH | 12427SUB | 45,184 |

State of Washington
Schedule of Expenditures of Federal Awards
Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
(Expressed in whole dollars)

| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|-------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 93.U14 | 3650 | CASTNER INC | 21001 | 12,608 |
| 93.U17 | 3650 | LOS ANGELES BIOMEDICAL RES INS | HHSN275201300024I | 8,648 |
| 93.U18 | 3650 | SRI INTERNATIONAL | PO81176 | 5,433 |
| 93.U20 | 1070 | Build Evidence on Emplymnt Strategies (BEES) | HHSP233201500059I/SP23 | 630,390 |
| 93.U20 | 3650 | UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER | RS2018087209 | 1,528 |
| 93.U21 | 3650 | UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER | RS2018087209 | 18,307 |
| 93.U22 | 3030 | National Alliance of State and Territorial AIDS Directors | HHS | 161,700 |
| 93.U23 | 1070 | Hendall BHSIS Grant | HHSS283201600001C | 217,446 |
| 93.U24 | 6990 | League of Innovations | I NU50CK00 | 5,142 |
| 94.002 | 6990 | RSVP | 62403 | 80,109 |
| 94.006 | 3600 | JUMPSTART FOR YOUNG CHILDREN INC | 2320200 | 27,351 |
| 94.006 | 3600 | JUMPSTART FOR YOUNG CHILDREN INC | 2320230 | 160,808 |
| 95.001 | 2250 | Grant Co Sheriff's Office | K17921 | 5,923 |
| 95.001 | 2250 | Grant Co Sheriff's Office | K18468 | 4,433 |
| 95.001 | 2250 | Yakima Co Sheriff's Office | C120331GSC | 3,151 |
| 95.001 | 3600 | PUBLIC HOSPITAL DISTRICT 304 | MB17JWA1NBX3 | 18,146 |
| 95.001 | 3600 | PUBLIC HOSPITAL DISTRICT 304 | PRIMEG20NW0014AAM02 | 9 |
| 97.044 | 3600 | RUTGERS THE STATE UNIV OF NEW JERSEY | 2122AM01 | 108,735 |
| 97.061 | 3600 | TEXAS A&M UNIVERSITY | M200177901AM01 | 3,276 |
| 97.061 | 3600 | UNIVERSITY OF TEXAS SAN ANTONIO | 1000003203AM02 | 65,309 |
| 97.067 | 4770 | Clallam County | OPSG FY20 LOU WDFW | 21,718 |
| 97.067 | 4770 | Okanogan County Sheriff | Okanogan County Sherif | 38,980 |
| 97.067 | 4770 | Whatcom County | 202109021 | 22,817 |
| 97.067 | 4770 | Whatcom County | 202304006 | 2,338 |
| 97.091 | 3030 | CITY OF SEATTLE | GVL23566 | 657,666 |
| 97.U02 | 3600 | DEGENKOLB ENGINEERS | C1A4000200 | 14,680 |

State of Washington
Schedule of Expenditures of Federal Awards
Note F: Supplemental Information for Pass-Through Funds

For the Fiscal Year Ended
June 30, 2023
(Expressed in whole dollars)

| Assistance Listing No. | State Agency No. | Pass-Through Entity Name | Award/Contract Control Number | Expenditure Amount |
|---------------------------------|-------------------------|---|--------------------------------------|---------------------------|
| 97.U03 | 3650 | MONTANA STATE UNIVERSITY | "G14823W9974" | 39,242 |
| 98.001 | 3600 | FHI360 | 1024620010020011244000 | 26,292 |
| 98.001 | 3600 | FHI360 | PROJECT102716001001005 | 181,038 |
| 98.001 | 3600 | MAGEE-WOMEN'S RESEARCH INSTITUTE & FNDN | 9771AM01 | 420,277 |
| 98.001 | 3600 | MAGEE-WOMEN'S RESEARCH INSTITUTE & FNDN | 9771AM02 | 219,571 |
| 98.001 | 3600 | NATIONAL ACADEMIES OF SCIENCES | 2000012483MOD04 | 127,524 |
| 98.001 | 3600 | TUFTS UNIVERSITY | AI9014AM06 | 596,121 |
| 98.001 | 3600 | UNIVERSITY OF NEVADA, RENO | UNR2062AM01 | 177,562 |
| 98.001 | 3600 | US PHARMACOPEIAL CONVENTION INC | 1000190MKTSDOCD | 48,583 |
| 98.001 | 3600 | US PHARMACOPEIAL CONVENTION INC | TOPQMUW3CROSSBUREAUCH0 | 7,350 |
| 98.001 | 3650 | THE AMERICAN UNIVERSITY IN CAIRO | "WSU004120 | 202,770 |
| 98.001 | 3650 | UNIVERSITY OF MARYLAND | "119339Z9003301 | 78,924 |
| 98.RD | 3600 | MACRO INTERNATIONAL INC (ICF MACRO) | 52106 | 33,545 |
| 98.RD | 3600 | MANAGEMENT SCIENCES FOR HEALTH INC | MTAPS20037PO21MSH0327A | 5,820 |
| 98.RD | 3600 | MANAGEMENT SCIENCES FOR HEALTH INC | MTAPS21046MOD01 | 20,002 |
| 98.RD | 3600 | MANAGEMENT SCIENCES FOR HEALTH INC | MTAPS22056AM03 | 56,584 |
| 98.U01 | 3650 | MISSISSIPPI STATE UNIVERSITY | "19390031245514" | 53,531 |
| 99.RD | 3600 | CARNEGIE MELLON UNIVERSITY | 1990739456464AM01 | 34,930 |
| 99.RD | 3600 | DEFENSEWERX-ICWERX | UW637215 | 22,917 |
| 99.RD | 3600 | DEFENSEWERX-ICWERX | UW637836 | 149,749 |
| 99.RD | 3600 | ECS FEDERAL LLC | 1740060301MOD08PO21000 | 23,317 |
| 99.RD | 3600 | ECS FEDERAL LLC | 1740060301MOD09PO22000 | 107,850 |
| 99.RD | 3600 | GEORGIA INSTITUTE OF TECHNOLOGY | D8919S3AM03 | 28,882 |
| 99.RD | 3600 | SRI INTERNATIONAL INC | 73337 | 29,460 |
| Total Pass-Through Funds | | | | 274,584,741 |