

**Delaware State Clearinghouse Committee**  
**January Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**January 28, 2025 @ 10:00am**

| <b>Item</b>                    | <b>SAH#</b>    | <b>Applicant</b>  | <b>Project Title</b>  | <b>Federal</b> | <b>Funding State</b> | <b>Other</b> | <b>Federal</b> | <b>Positions State</b> | <b>Other</b> |
|--------------------------------|----------------|---|---|----------------|----------------------|--------------|----------------|------------------------|--------------|
| <b><u>New Business*</u></b>    |                |   |   |                |                      |              |                |                        |              |
| 1                              | 6618           | Judicial, Office of the Child Advocate  | National Court Appointed Special Advocate - Guardians ad Litem  | \$63,812       | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 2                              | 6622           | Department of Transportation, Office of the Secretary, Finance  | Climate Pollution Reduction Clean Corridor Coalition  | \$13,637,863   | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 3                              | 6641           | Department of Agriculture, Animal Health  | High Path Avian Influenza (HPAI) Emergency Disease Response   | \$666,437      | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 4                              | 6448 Amendment | Delaware National Guard   | Army National Guard Operations and Maintenance Agreement - Position Request   | \$105,474      | \$0                  | \$0          | 1.00           | 0.00                   | 0.00         |
| <b><u>Continued</u></b>        |                |   |   |                |                      |              |                |                        |              |
| 1                              | 6627           | Executive, Criminal Justice, Criminal Justice Council   | Childrens Justice Act   | \$90,453       | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 2                              | 6628           | Department of State, Public Service Commission, Regulation and Licensing                                  | Pipeline Safety One Call  | \$9,348        | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 3                              | 4891 Amendment | Department of Health and Social Services, Public Health, Community Health                                 | Epidemiology and Lab Capacity Enhancing Detection Expansion – CRRSA COVID-19  | \$0            | \$0                  | \$0          | -1.00          | 0.00                   | 0.00         |
| 4                              | 5553 Amendment | Department of Health and Social Services, Public Health, Community Health                                 | Public Health Infrastructure and Workforce  | \$2,206,066    | \$0                  | \$0          | 1.00           | 0.00                   | 0.00         |
| 5                              | 6616           | Department of Health and Social Services, Office of the Secretary   | Delaware Health Insurance Individual Market   | \$64,724,320   | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 6                              | 6617           | Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health      | Mental Health Awareness Training (MHAT) Grants  | \$125,000      | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 7                              | 6621           | Department of Health and Social Services, Public Health, Community Health                                 | Personal Responsibility Education Program   | \$250,000      | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 8                              | 6623           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | State Fisheries Lands Enhancement   | \$104,110      | \$34,705             | \$0          | 0.00           | 0.00                   | 0.00         |
| 9                              | 6610           | Department of Transportation, Planning  | High Priority Innovative Technology Deployment  | \$1,332,135    | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 10                             | 6615           | Department of Transportation, Division of Motor Vehicles  | Commercial Driver's License (CDL) Program Implementation  | \$251,537      | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 11                             | 6510           | Department of Education, Early Childhood Supports   | Preschool Development Grant   | \$8,000,000    | \$2,400,000          | \$0          | 0.00           | 0.00                   | 0.00         |
| <b><u>Higher Education</u></b> |                |   |   |                |                      |              |                |                        |              |
| 1                              | 2024-01-04-01  | University of Delaware  | An Investigation of Global Tropical Cyclone Frequency with High-Resolution Numerical Simulations  | \$559,075      | \$0                  | \$0          |                |                        |              |
| 2                              | 2024-01-04-02  | University of Delaware  | Collaborative Research: WoU-MMA: Robust Searches for Ultrahigh Energy Neutrinos with RNO-G 2025-2028  | \$90,297       | \$0                  | \$0          |                |                        |              |
| 3                              | 2024-01-04-03  | University of Delaware  | Development of an Electrochemical Au-Ag Nanodot Sensor and Fe-MOF Catalyst for PFAS Sensing and Degradation   | \$1,209,376    | \$0                  | \$0          |                |                        |              |
| 4                              | 2024-01-04-04  | University of Delaware  | The Moment Everything Changed: A Proposed Special Issue on Medical Humanities Approaches to Injuries and Society                                      | \$160,980      | \$0                  | \$0          |                |                        |              |
| 5                              | 2024-01-04-05  | University of Delaware  | Establishing a Stable Production Cell Line for Recombinant AAV Through Synthetic Dynamic Regulation and Reducing Regulatory and Metabolic Limitations | \$341,125      | \$0                  | \$0          |                |                        |              |
| 6                              | 2024-01-04-06  | University of Delaware  | Precision Immunotherapy for Pancreatic Ductal Adenocarcinoma  | \$491,174      | \$0                  | \$0          |                |                        |              |

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| 7  | 2024-01-04-07 | University of Delaware | Gilliam Fellows Program  | \$0         | \$0      | \$159,000 |
| 8  | 2024-01-04-08 | University of Delaware | Understanding the Global Inventory of Trifluoroacetate: Isotopic Constraints   | \$37,500    | \$0      | \$0       |
| 9  | 2024-01-04-09 | University of Delaware | Using Rheology to Probe Interparticle Interactions, Including Jamming in Confined Spaces Under Flow  | \$0         | \$0      | \$225,000 |
| 10 | 2024-01-04-10 | University of Delaware | BRIDGE and EFNEP Curriculum Specialist   | \$0         | \$0      | \$5,328   |
| 11 | 2024-01-04-11 | University of Delaware | The Delaware Partnership to Alleviate the Heart Attack & Stroke OverAll Risk (PATH to SOAR)  | \$0         | \$0      | \$379,759 |
| 12 | 2024-01-04-12 | University of Delaware | Recycling of Polyester Blends  | \$0         | \$0      | \$93,750  |
| 13 | 2024-01-04-13 | University of Delaware | Collaborative Research: SySDR: System-Centric Scalable Deep Reinforcement Learning Framework for Complex Computing System Optimizations  | \$280,005   | \$0      | \$0       |
| 14 | 2024-01-04-14 | University of Delaware | Understanding Linguistic Differences in Mild Cognitive Impairment: The Importance of Language Context and Psychosocial Functioning   | \$108,402   | \$0      | \$0       |
| 15 | 2024-01-04-15 | University of Delaware | Use of Caregiver-Delivered Language Interventions for School-Aged Children: A Mixed Methods Investigation Using an Implementation Science Framework  | \$154,112   | \$0      | \$0       |
| 16 | 2024-01-04-16 | University of Delaware | Energy Transfer from MHD to Kinetic Scales in Space Plasmas: Scale Filtering Representation  | \$426,040   | \$0      | \$0       |
| 17 | 2024-01-04-17 | University of Delaware | Pinyon Jay Inventory of Parks and Monuments of the Northern Colorado Plateau Inventory and Monitoring Network  | \$102,879   | \$0      | \$0       |
| 18 | 2024-01-04-18 | University of Delaware | Soybean Row Spacing and Planting Rate Effects on Litter Decomposition  | \$0         | \$0      | \$11,612  |
| 19 | 2024-01-04-19 | University of Delaware | The Effects of Gypsum or Lime Application on Yield and Nutrient Uptake   | \$0         | \$0      | \$11,067  |
| 20 | 2024-01-04-20 | University of Delaware | Exploring the Moderating Role of Patient-Provider Communication in the Relationship Between Fatigue and Healthcare Utilization in Adults with Heart Failure: An All of Us Dataset Analysis | \$0         | \$0      | \$5,000   |
| 21 | 2024-01-04-21 | University of Delaware | BRING-SynBio: Deciphering and Directing Lactylation Epigenetics to Control Macrophage Immune Cell Phenotype  | \$464,430   | \$0      | \$0       |
| 22 | 2024-01-04-22 | University of Delaware | WoU-MMA: Cosmic-Ray Physics with IceCube 2025 - 2028   | \$3,482,811 | \$0      | \$0       |
| 23 | 2024-01-04-23 | University of Delaware | Atomically Precise Control Over 2-Dimensional Van Der Waals Materials  | \$551,939   | \$0      | \$0       |
| 24 | 2024-01-04-24 | University of Delaware | Delaware APEX FY26 BOWMAN  | \$372,466   | \$94,649 | \$0       |
| 25 | 2024-01-04-25 | University of Delaware | Exploration of Sex Hormones and Tendon Health in Females with Achilles Tendinopathy  | \$109,025   | \$0      | \$0       |
| 26 | 2024-01-04-26 | University of Delaware | The Role of Histone Modifications in Sex-Specific Differences in Chromosome Structure During Meiosis   | \$224,868   | \$0      | \$0       |
| 27 | 2024-01-04-27 | University of Delaware | DIY Digital Justice Through GEOZONE Collective: Building a Transnational Geography Zine Organizing Network   | \$0         | \$0      | \$24,987  |
| 28 | 2024-01-04-28 | University of Delaware | Quantum Information and Simulation in Mesoscopic Spin Baths  | \$0         | \$0      | \$123,200 |
| 29 | 2024-01-04-29 | University of Delaware | Collaborative Research: Hydrology Unlocks the Iron Gate and Alters Nitrogen (N) Availability: Quantification of Dissimilatory Iron Reduction and Key Controls for N Mineralization         | \$387,647   | \$0      | \$0       |
| 30 | 2024-01-04-30 | University of Delaware | Novel Tools to Characterize OGT-XLID   | \$0         | \$0      | \$82,396  |
| 31 | 2024-01-04-31 | University of Delaware | Unraveling the Degradome and Target Repertoire of the Disintegrin Metalloproteinase ADAM9  | \$275,000   | \$0      | \$0       |
| 32 | 2024-01-04-32 | University of Delaware | Core Lithology Logs from Public and Private Sector Boreholes in Report and Well Files at the Delaware Geological Survey: Data Preservation and Web Access                                  | \$58,902    | \$0      | \$0       |

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| 33 | 2024-01-04-33 | University of Delaware | The Migration and Differentiation of a Novel Cranial Neural Crest Population  | \$275,000 | \$0 | \$0       |
| 34 | 2024-01-04-34 | University of Delaware | Modifying Fragility Fracture Healing Using a Gradient-Based Mechanotransduction Fixation Approach   | \$107,575 | \$0 | \$0       |
| 35 | 2024-01-04-35 | University of Delaware | Continued Monitoring of In-Season Root-Knot Nematode Reproduction   | \$0       | \$0 | \$11,700  |
| 36 | 2024-01-04-36 | University of Delaware | Public Health Extreme Events Research Network   | \$0       | \$0 | \$131,475 |
| 37 | 2024-01-04-37 | University of Delaware | Planting Date and Seed Treatment to Manage RKN  | \$0       | \$0 | \$12,607  |
| 38 | 2024-01-04-38 | University of Delaware | Photoacoustic Imaging of Endometriosis with Nanoparticle Contrast Agents  | \$275,002 | \$0 | \$0       |
| 39 | 2024-01-04-39 | University of Delaware | Searching for New Physics in the Laboratory and in the Cosmos   | \$224,501 | \$0 | \$0       |
| 40 | 2024-01-04-40 | University of Delaware | PECASE: Large Scale 2D Material - Active Silicon Photonics  | \$663,315 | \$0 | \$0       |
| 41 | 2024-01-04-41 | University of Delaware | Collaborative Research: Bayesian Graph Learning for Spatial and Temporal Mixed-Type Responses: Theory, Method, Algorithm, and Application   | \$100,949 | \$0 | \$0       |
| 42 | 2024-01-04-42 | University of Delaware | High Throughput Osteoarthritis Drug Screening Using Click Chemistry   | \$107,571 | \$0 | \$0       |
| 43 | 2024-01-04-43 | University of Delaware | Investigation of Psychosis Risk and Social Media (iPRISM) Study   | \$0       | \$0 | \$257,824 |
| 44 | 2024-01-04-44 | University of Delaware | REU Site: Summer REU Program in Marine Science at the University of Delaware  | \$21,732  | \$0 | \$0       |
| 45 | 2024-01-04-45 | University of Delaware | Community Autism Peer Specialist in Delaware  | \$514,269 | \$0 | \$0       |
| 46 | 2024-01-04-46 | University of Delaware | Investigating PFAS Partitioning to Iron Phases in Soils: Evaluating the Applicability of the Lognormal Langmuir Isotherm Model and Mössbauer Spectroscopy to Develop a Predictive PFAS Soil Sorption Model for Enhanced | \$152,940 | \$0 | \$0       |
| 47 | 2024-01-04-47 | University of Delaware | CICI: UCSS: Secure Containers in High-Performance Computing Infrastructure  | \$0       | \$0 | \$155,878 |
| 48 | 2024-01-04-48 | University of Delaware | Engineering Metal Cluster-Reducible Oxide Interfaces for Catalysis  | \$0       | \$0 | \$208,148 |
| 49 | 2024-01-04-49 | University of Delaware | CAS: Four-Coordinate Iron- and Cobalt-Carbene Complexes for Carbene-Transfer Catalysis  | \$167,275 | \$0 | \$0       |
| 50 | 2024-01-04-50 | University of Delaware | A Passive-Active, Multi-Sensor Approach to Earth's Planetary Boundary Layer (PBL) - Demonstration from the Westcoast & Heartland Hyperspectral MW Sensor Intensive Experiment (WH2vMSIE)                                | \$25,635  | \$0 | \$0       |
| 51 | 2024-01-04-51 | University of Delaware | Engineering Yeast for Enhanced Folate Production in Extraterrestrial Environments: Addressing Gaps in Space Nutrition   | \$214,834 | \$0 | \$0       |
| 52 | 2024-01-04-52 | University of Delaware | Collaborative: Expand: How Electrons are Acquired and Distributed by Iron-Oxidizing Bacteria  | \$345,044 | \$0 | \$0       |
| 53 | 2024-01-04-53 | University of Delaware | Carbon Export by Episodic Mesoscale Events in the Gulf of Mexico  | \$0       | \$0 | \$197,054 |
| 54 | 2024-01-04-54 | University of Delaware | Ocean-Based Carbon Capture, Storage, and Alkalinity Improvement by a Seawater-Regenerated Metal-Polymer Hybrid Sorbent  | \$0       | \$0 | \$846,885 |
| 55 | 2024-01-04-55 | University of Delaware | Generative AI for a High-Resolution Multimodal Sensor Fusion Observation STV System   | \$381,884 | \$0 | \$0       |
| 56 | 2024-01-04-56 | University of Delaware | Catalytic Conversion of Plastics in Electrified Slurry Reactors   | \$0       | \$0 | \$200,968 |
| 57 | 2024-01-04-57 | University of Delaware | The CSGrad4US Fellowship Program  | \$0       | \$0 | \$26,064  |
| 58 | 2024-01-04-58 | University of Delaware | Understanding Formation and Dynamics of the SIV Reservoir   | \$0       | \$0 | \$350,000 |

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| 59 | 2024-01-04-59 | University of Delaware    | Structure, Immunity, and Microbiome: Human 3D Biomimetics Cervicovaginal Models for Sexually Transmitted Infections (SIM-STI)   | \$0         | \$0 | \$140,000 |
| 60 | 2024-01-04-60 | University of Delaware    | HP-DWS-SANS: A Novel Multimodal Sample Environment for Simultaneous High Pressure Microrheology and Small Angle Neutron Scattering  | \$0         | \$0 | \$18,750  |
| 61 | 2024-01-04-61 | University of Delaware    | A Federated Trial Emulation Framework for Integrating Evidence from Clinical Research Networks  | \$0         | \$0 | \$212,314 |
| 62 | 2024-01-04-62 | University of Delaware    | Phytoplankton Community Dynamics Associated with Hypoxia, Mesoscale Eddies, and Responses to Storms Using PACE Hyperspectral Unmixing and SWOT Data                           | \$0         | \$0 | \$228,304 |
| 63 | 2024-01-04-63 | University of Delaware    | Chemically-Defined Media for CHO Cells  | \$0         | \$0 | \$31,549  |
| 64 | 2024-01-04-64 | University of Delaware    | 2025 DOS ECA Excellence in Chinese Language and Culture NSLI-Y  | \$0         | \$0 | \$302,918 |
| 65 | 2024-01-04-65 | University of Delaware    | Targeting the Latent HIV Reservoir with Combination Therapy Platform  | \$0         | \$0 | \$151,415 |
| 66 | 2024-01-04-66 | University of Delaware    | Novel Drug Delivery Platform to Enhance Delivery of Combination Payloads for Metastatic Breast Cancer   | \$0         | \$0 | \$89,956  |
| 67 | 2024-01-04-67 | University of Delaware    | Collaborative Research: Expanding the Diversity of Iron Oxidation Mechanisms Via Genetics, Microscopy and 'omics in Leptothrix  | \$19,680    | \$0 | \$0       |
| 68 | 2024-01-04-68 | University of Delaware    | Collaborative Research: ULTRA-Data: Harmonizing at-Sea Seabird Surveys at Three Marine LTER Sites to Uncover Community Responses from the Subarctic to Antarctic              | \$68,357    | \$0 | \$0       |
| 69 | 2025-01-11-01 | Delaware State University | Promoting Accessibility to Effective Science Learning Environments for Students with Learning Disabilities: A Design and Development Project (Project Scientific Explorers-2) | \$156,909   | \$0 | \$0       |
| 70 | 2025-01-11-02 | Delaware State University | Project ECLIPSE (Equitable Curriculum and Leadership in Special Education)  | \$1,146,178 | \$0 | \$0       |
| 71 | 2025-01-11-03 | Delaware State University | Health and Socio-Economic Correlates of Enrollment, Retention and On-time Graduation of First-Generation College Students at HBCUs  | \$77,134    | \$0 | \$0       |
| 72 | 2025-01-11-04 | Delaware State University | Strategic Planning Supplement   | \$36,500    | \$0 | \$0       |
| 73 | 2025-01-11-05 | Delaware State University | GRANTS MADE at Scale: Implementing a Regional Research Administration Student Internship Program at Maryland and Delaware MSIs  | \$260,590   | \$0 | \$0       |
| 74 | 2025-01-11-06 | Delaware State University | Phase II: The Hope House  | \$750,000   | \$0 | \$0       |

Created 1/10/2025

**Delaware State Clearinghouse Committee**  
**February Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**February 24, 2025 @ 2:00pm**

| Item                    | SA#            | Applicant   | Project Title   | Federal      | State        | Other     | Federal | Positions State | Other |
|-------------------------|----------------|---|---|--------------|--------------|-----------|---------|-----------------|-------|
| <b>New Business*</b>    |                |   |   |              |              |           |         |                 |       |
| 1                       | 6640           | Department of State, Libraries  | Family Literacy Center  | \$37,500     | \$0          | \$0       | 0.00    | 0.00            | 0.00  |
| 2                       | 6630           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship               | Okie Preserve Project - IIJA  | \$4,115,811  | \$615,496    | \$0       | 0.00    | 1.15            | 0.00  |
| <b>Continued</b>        |                |   |   |              |              |           |         |                 |       |
| 1                       | 6592           | Department of Health and Social Services, Office of the Secretary, Administration   | Innovations in Nutrition Program and Services   | \$149,544    | \$49,848     | \$0       | 0.00    | 0.00            | 0.00  |
| 2                       | 6620           | Department of Health and Social Services, Medicaid and Medical Assistance   | Children's Health Insurance Program (CHIP)  | \$36,361,753 | \$14,080,761 | \$0       | 2.96    | 1.15            | 0.00  |
| 3                       | 5046 Amendment | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal, and Energy | Clean Cities Coalition Grant  | \$60,000     | \$0          | \$0       | 0.00    | 0.00            | 0.00  |
| 4                       | 6629           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife                   | Structure Oriented Fish Assessment Program  | \$472,587    | \$157,529    | \$0       | 0.05    | 0.20            | 0.00  |
| 5                       | 6654           | Department of Natural Resources and Environmental Control, Watershed Stewardship  | Tidal Wetland Restoration Cooperative Agreement   | \$50,000     | \$0          | \$0       | 0.00    | 0.00            | 0.00  |
| <b>Higher Education</b> |                |   |   |              |              |           |         |                 |       |
| 1                       | 2025-02-01-01  | University of Delaware  | Implementation of Encroachment Mitigation and Military Installation Resilience Strategy Through Coordination and Involvement in Community Planning  | \$808,785    | \$0          | \$0       |         |                 |       |
| 2                       | 2025-02-01-02  | University of Delaware  | University of Delaware Upward Bound Program   | \$346,640    | \$0          | \$0       |         |                 |       |
| 3                       | 2025-02-01-03  | University of Delaware  | University of Delaware Leadership in Civic Engagement   | \$0          | \$0          | \$208,141 |         |                 |       |
| 4                       | 2025-02-01-04  | University of Delaware  | In-Situ and Ex-Situ Investigation of Interface Passivation/Depassivation in Heterojunction Solar Cells to Devise Mitigation Strategies  | \$2,022,883  | \$0          | \$0       |         |                 |       |
| 5                       | 2025-02-01-05  | University of Delaware  | Characterizing Current and Future U.S. Severe Convective Storm Risk for Insurance Applications  | \$318,683    | \$0          | \$0       |         |                 |       |
| 6                       | 2025-02-01-06  | University of Delaware  | A High-Throughput Computational and Experimental Approach to the Design of Unconventional Magnets   | \$0          | \$0          | \$514,824 |         |                 |       |
| 7                       | 2025-02-01-07  | University of Delaware  | Enhance Energy Supply Chain Security by Augmenting the Energy Sector Software Bill of Materials   | \$884,084    | \$0          | \$0       |         |                 |       |
| 8                       | 2025-02-01-08  | University of Delaware  | Mechanosignaling in Pediatric Brain Cancers   | \$0          | \$0          | \$14,087  |         |                 |       |
| 9                       | 2025-02-01-09  | University of Delaware  | Expanding the Geography and User Base of the Atlantic Sturgeon Occurrence Model   | \$660,353    | \$0          | \$0       |         |                 |       |
| 10                      | 2025-02-01-10  | University of Delaware  | Investigating PFAS Partitioning to Iron Phases in Soils: Evaluating the Applicability of the Lognormal Langmuir Isotherm Model and Mössbauer Spectroscopy to Develop a Predictive PFAS Soil Sorption Model for Enhanced Risk Assessment | \$152,940    | \$0          | \$0       |         |                 |       |
| 11                      | 2025-02-01-11  | University of Delaware  | Developing Engineering Practices Using Ecosystem Design Solutions for Future Army (DEEDS) - University of Delaware  | \$531,316    | \$0          | \$0       |         |                 |       |
| 12                      | 2025-02-01-12  | University of Delaware  | Developing and Validating a Fraction Power Screener for Students with Mathematics Difficulties  | \$2,546,503  | \$0          | \$0       |         |                 |       |
| 13                      | 2025-02-01-13  | University of Delaware  | NRT: Accelerating Research Translation (ART) of Synthetic Biology & Biomanufacturing  | \$2,554,719  | \$0          | \$0       |         |                 |       |

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|----|---------------|------------------------|---|-------------|-----|-----------|
| 14 | 2025-02-01-14 | University of Delaware | Mixed Methods Investigation of Backward Transfer Effects in Mathematics Education   | \$1,033,444 | \$0 | \$0       |
| 15 | 2025-02-01-15 | University of Delaware | Machine Learning Enabled 3D Printed High Temperature Smart Tooling  | \$298,303   | \$0 | \$0       |
| 16 | 2025-02-01-16 | University of Delaware | STORIES: Scaffolding and Transforming Opportunities for Reading with Intelligent E-book System  | \$4,176,348 | \$0 | \$0       |
| 17 | 2025-02-01-17 | University of Delaware | Smart Automated Manufacturing of Soft Tooling for Composite Automotive Components   | \$1,320,089 | \$0 | \$0       |
| 18 | 2025-02-01-18 | University of Delaware | Master Research Agreement Amendment 23A   | \$0         | \$0 | \$1,654   |
| 19 | 2025-02-01-19 | University of Delaware | Cost-Effective Re-X Implementation in Large Automotive Composite Structures   | \$1,418,130 | \$0 | \$0       |
| 20 | 2025-02-01-20 | University of Delaware | A Unique Exploration of Developmental Language Disorder   | \$297,003   | \$0 | \$0       |
| 21 | 2025-02-01-21 | University of Delaware | Community Based Care Management Program Evaluation  | \$0         | \$0 | \$130,435 |
| 22 | 2025-02-01-22 | University of Delaware | Graph Correlation for Scalable Dependence Testing and LLM-Enabled Insights  | \$241,634   | \$0 | \$0       |
| 23 | 2025-02-01-23 | University of Delaware | BACCARAT Project (Benefits and Costs of Cooling Accounting for Risks and Tipping Points) Seeks to Evaluate the Complex Trade-Offs Associated with Climate Cooling Technologies, Particularly Solar Radiation Management (SRM), from an Economic Perspective | \$0         | \$0 | \$444,398 |
| 24 | 2025-02-01-24 | University of Delaware | Network Delaware Inc 2 PADE 24/25 Partner Organization  | \$0         | \$0 | \$15,500  |
| 25 | 2025-02-01-25 | University of Delaware | Delaware Futures Inc 2 PADE 24/25 Partner Organization  | \$0         | \$0 | \$18,500  |
| 26 | 2025-02-01-26 | University of Delaware | Montessori Works DE Inc PADE 24/25 Partner Organization   | \$0         | \$0 | \$15,500  |
| 27 | 2025-02-01-27 | University of Delaware | Sean Locke 24 Foundation PADE 24/25 Partner Organization  | \$0         | \$0 | \$21,500  |
| 28 | 2025-02-01-28 | University of Delaware | Wilmington Hope Commission PADE 24/25 Partner Organization  | \$0         | \$0 | \$18,500  |
| 29 | 2025-02-01-29 | University of Delaware | Community Legal Aid Society, Inc. PADE 24/25 Partner Organization   | \$0         | \$0 | \$23,500  |
| 30 | 2025-02-01-30 | University of Delaware | Nonlinear Magnonics in van der Waals Magnets  | \$233,917   | \$0 | \$0       |
| 31 | 2025-02-01-31 | University of Delaware | Mechanisms of Neural Crest Development and Craniofacial Disorders   | \$2,235,237 | \$0 | \$0       |
| 32 | 2025-02-01-32 | University of Delaware | Geologic Map of the Harrington Quadrangle, Delaware   | \$191,548   | \$0 | \$0       |
| 33 | 2025-02-01-33 | University of Delaware | Cavity Magnonics in van der Waals Magnets   | \$0         | \$0 | \$5,000   |
| 34 | 2025-02-01-34 | University of Delaware | Structural Interrogation of the HIV-1 Virion and the Mechanism of the Capsid Targeting Compound Lenacapavir   | \$0         | \$0 | \$529,245 |
| 35 | 2025-02-01-35 | University of Delaware | Potyvirus Nlb Protein Dual Function of Synthesizing Viral RNA and Protecting it from Degradation  | \$0         | \$0 | \$218,272 |
| 36 | 2025-02-01-36 | University of Delaware | Templated Patterning on BSMV Viral-Like Particles for Metallic Multifunctional Nanomaterial Synthesis   | \$368,289   | \$0 | \$0       |
| 37 | 2025-02-01-37 | University of Delaware | Therapeutic Potential of Systemic and Localized Zinc Delivery for Modulating Fracture Repair  | \$59,474    | \$0 | \$0       |

|    |               |                        |  |             |     |           |
|----|---------------|------------------------|--|-------------|-----|-----------|
| 38 | 2025-02-01-38 | University of Delaware | A Tether-Free, Patient Specific 1000 Channel Neural Interface Based on Sub-Millimeter Optoelectronic Motes   | \$0         | \$0 | \$420,268 |
| 39 | 2025-02-01-39 | University of Delaware | Scale-Up of Transparent and Screen-Mounted Tactile Actuators for Next Generation Assistive Devices   | \$0         | \$0 | \$95,921  |
| 40 | 2025-02-01-40 | University of Delaware | EDU EPSCoR DCL: FilmTEK: Building Equitable Collaborations Between Research Institutes, Media Production Companies, and Indigenous-Led Community-Based Organizations   | \$92,631    | \$0 | \$0       |
| 41 | 2025-02-01-41 | University of Delaware | Integrated Carbon-Neutral Methanol Production from Direct Air Capture and Carbon-Free Hydrogen   | \$7,576,095 | \$0 | \$0       |
| 42 | 2025-02-01-42 | University of Delaware | Innovations in Tendon Structure-Function Characterization for Improved Rehabilitation Strategies   | \$0         | \$0 | \$5,000   |
| 43 | 2025-02-01-43 | University of Delaware | A Critical Visual Exploration of the Experiences of Racially Minoritized Graduate Students in Racial/Ethnic Graduate Student Organizations Navigating State Bans on Diversity, Equity, and Inclusion Initiatives | \$0         | \$0 | \$4,600   |
| 44 | 2025-02-01-44 | University of Delaware | Delaware Geological Survey National Ground Water Monitoring Network 2025   | \$28,599    | \$0 | \$0       |
| 45 | 2025-02-01-45 | University of Delaware | Deciphering Cognition with Geometry  | \$0         | \$0 | \$500,003 |
| 46 | 2025-02-01-46 | University of Delaware | Mixed Plastics Deconstruction  | \$0         | \$0 | \$93,750  |
| 47 | 2025-02-01-47 | University of Delaware | Supplemental Proposal: The Impacts of Pre-Service Supervised Field Experiences on Elementary Teachers Retention and Effectiveness in Mathematics   | \$212,463   | \$0 | \$0       |
| 48 | 2025-02-01-48 | University of Delaware | Explaining Conformational Regulation of Virus Capsid Function Throughout Infection   | \$1,421,000 | \$0 | \$0       |
| 49 | 2025-02-01-49 | University of Delaware | Development and Application of Biochar-Based Growth Media from Biomass Wastes for Sustainable Hydroponics  | \$0         | \$0 | \$41,928  |
| 50 | 2025-02-01-50 | University of Delaware | Hybrid Short Fiber Composites for Tailorable Electromagnetic Properties  | \$0         | \$0 | \$31,251  |
| 51 | 2025-02-01-51 | University of Delaware | Reducing Stigmatizing Beliefs Affecting People Who Use Drugs in Kentucky: A Multi-Level Stigma Reduction PhotoVoice Intervention   | \$0         | \$0 | \$161,635 |
| 52 | 2025-02-01-52 | University of Delaware | Understanding Muscle Fatigue and its Effects on Gait in Real World   | \$0         | \$0 | \$9,000   |
| 53 | 2025-02-01-53 | University of Delaware | NSF Oceanographic Instrumentation CY25   | \$12,007    | \$0 | \$0       |
| 54 | 2025-02-01-54 | University of Delaware | Computational Autonomous Vehicle Storage   | \$0         | \$0 | \$45,001  |
| 55 | 2025-02-01-55 | University of Delaware | Subcellular Transport, Regulation, and Function of RNAs During Early Development   | \$1,320,189 | \$0 | \$0       |
| 56 | 2025-02-01-56 | University of Delaware | University of Delaware - RV Hugh Sharp SSSE FY 2025  | \$165,668   | \$0 | \$0       |
| 57 | 2025-02-01-57 | University of Delaware | Collaborative Research: Shifting Attention: The Role of Code-Switching in Bilinguals' Learning and Memory  | \$200,964   | \$0 | \$0       |
| 58 | 2025-02-01-58 | University of Delaware | Printable Batteries and Electrodes for Wearable Electrical Stimulation   | \$0         | \$0 | \$29,100  |
| 59 | 2025-02-01-59 | University of Delaware | Off-Road Motion Planning for Autonomous Mobile Robots  | \$0         | \$0 | \$27,000  |
| 60 | 2025-02-01-60 | University of Delaware | Delaware Clinical and Translational Research ACCEL Program   | \$198,341   | \$0 | \$0       |
| 61 | 2025-02-01-61 | University of Delaware | RCN: ORCC: Regulatory Roles of MicroRNAs in Thermotolerance  | \$525,191   | \$0 | \$0       |

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|----|---------------|------------------------|--|-------------|-----|-----------|
| 62 | 2025-02-01-62 | University of Delaware | Collaborative Research: FEC: Rapid Discovery of Catalysts and Emergent Feedstocks for Sustainable Aviation Fuel Production                                   | \$1,237,292 | \$0 | \$0       |
| 63 | 2025-02-01-63 | University of Delaware | Collaborative Research: CS2: Modular Verification of Scientific Software Using Model Checking, Symbolic Execution, and Abstraction                           | \$250,991   | \$0 | \$0       |
| 64 | 2025-02-01-64 | University of Delaware | Brain Mechanics Knowledgebase (BrainMecK) for TBI, Neurosurgery and Device Development   | \$0         | \$0 | \$175,000 |
| 65 | 2025-02-01-65 | University of Delaware | Identifying Economically Feasible Locations for Switchgrass Expansion  | \$0         | \$0 | \$42,002  |
| 66 | 2025-02-01-66 | University of Delaware | Science Team Support<br>Punch Phase E  | \$0         | \$0 | \$317,810 |
| 67 | 2025-02-01-67 | University of Delaware | Chemical Methods for the Synthesis of Complex Molecules  | \$2,124,890 | \$0 | \$0       |
| 68 | 2025-02-01-68 | University of Delaware | Leveraging PACE and Existing and Future Satellite Products to Build and Refine Bloom Forecasts for the Chesapeake Bay  | \$0         | \$0 | \$117,189 |
| 69 | 2025-02-01-69 | University of Delaware | CS2: Modular Verification of Scientific Software Using Model Checking, Symbolic Execution, and Abstraction   | \$250,000   | \$0 | \$0       |
| 70 | 2025-02-01-70 | University of Delaware | Mechanisms of Direct Cell-Cell Communication During Graft Formation  | \$1,375,000 | \$0 | \$0       |
| 71 | 2025-02-01-71 | University of Delaware | Collaborative Research: MFS-SPEED: Leveraging Data Science Towards Sustainable Polymers Generation from Plastics and Mixed Waste                             | \$920,538   | \$0 | \$0       |
| 72 | 2025-02-01-72 | University of Delaware | Quantum Dynamics of Spin-Based Molecular Systems   | \$0         | \$0 | \$364,832 |
| 73 | 2025-02-01-73 | University of Delaware | Collaborative Research: NSF R2I2: Resilience Implementation for Salt-INTRuded Geographies (RISING) Mid-Atlantic  | \$50,919    | \$0 | \$0       |
| 74 | 2025-02-01-74 | University of Delaware | Photonic Chemistry of the Forever Bond   | \$0         | \$0 | \$108,779 |
| 75 | 2025-02-01-75 | University of Delaware | Collaborative Research: Aerosol Nutrient and Pollutant Trace Element Time Series in Utqiagvik, Alaska: Impacts of Changing Arctic Precipitation              | \$342,964   | \$0 | \$0       |
| 76 | 2025-02-01-76 | University of Delaware | Multiscale Investigation of HBV Capsid Modulation by Small Molecules: Mechanisms of Assembly, Disassembly, and Drug Discovery                                | \$0         | \$0 | \$833,330 |
| 77 | 2025-02-01-77 | University of Delaware | The Impacts of Daily Saffron Supplementation on Emotional Status, Sleep Quality, and Quality of Life in Women of Reproductive Age with Premenstrual Syndrome | \$0         | \$0 | \$85,000  |
| 78 | 2025-02-01-78 | University of Delaware | Assessing Salt Marsh Condition and the Effects of Restoration in the Northeast   | \$163,314   | \$0 | \$0       |
| 79 | 2025-02-01-79 | University of Delaware | Developing a Personalizable Intervention for Sentence Comprehension in Kids with Developmental Language Disorders  | \$2,830,187 | \$0 | \$0       |
| 80 | 2025-02-01-80 | University of Delaware | Analyzing 20 Years of Landbird Data for the Northern Colorado Plateau I&M Network of the National Park Service   | \$20,548    | \$0 | \$0       |
| 81 | 2025-02-01-81 | University of Delaware | Light-Matter Interactions in Artificial Spin Lattices (Renewal)  | \$0         | \$0 | \$579,935 |
| 82 | 2025-02-01-82 | University of Delaware | Creating a Space and Opportunity to Cultivate the Next Generation of RIA   | \$0         | \$0 | \$875,001 |
| 83 | 2025-02-01-83 | University of Delaware | Explaining the Heterogeneity of Clinical Presentation in Individuals with Pain: Influence of Sex on Structural Brain Biomarkers                              | \$0         | \$0 | \$18,448  |
| 84 | 2025-02-01-84 | University of Delaware | Rapid Evidence Review on School District Central Office Redesign   | \$0         | \$0 | \$211,079 |
| 85 | 2025-02-01-85 | University of Delaware | Development and Evaluation of a Feeder Mounted Vaccine Field Boost Spray System  | \$0         | \$0 | \$64,653  |

|     |               |                        |   |             |     |           |
|-----|---------------|------------------------|---|-------------|-----|-----------|
| 86  | 2025-02-01-86 | University of Delaware | The Role of Real-World Gait Mechanics to Moderate Improvements in Pain and Function Following Strength Training in Adults with Knee Osteoarthritis                    | \$3,710,863 | \$0 | \$0       |
| 87  | 2025-02-01-87 | University of Delaware | Machine Learning in Front-End Electronics for Nuclear Physics Experiments   | \$0         | \$0 | \$479,488 |
| 88  | 2025-02-01-88 | University of Delaware | Deciphering Environmental Change Impacts and Pathways of Mercury Exposure in Arctic Food Webs: Insights from Marine Predators   | \$635,294   | \$0 | \$0       |
| 89  | 2025-02-01-89 | University of Delaware | DMREF: Bio-Derived High-Strength 3D-Printed Polymer Foams   | \$0         | \$0 | \$435,208 |
| 90  | 2025-02-01-90 | University of Delaware | Center for Clean Hydrogen, University of Delaware   | \$3,590,640 | \$0 | \$0       |
| 91  | 2025-02-01-91 | University of Delaware | Networked Trial Emulation Framework for Causal Effects of Glucagon-Like Peptide-1 Receptor Agonists on Mental Health Outcomes   | \$0         | \$0 | \$500,000 |
| 92  | 2025-02-01-92 | University of Delaware | Developing Debiased Causal Transformer for Clinical Evidence Generation: Application to Repurposing Glucagon Like Peptide 1 Receptor Agonists                         | \$0         | \$0 | \$500,000 |
| 93  | 2025-02-01-93 | University of Delaware | Vision-Based Neural Solver for Graph Property Testing   | \$0         | \$0 | \$60,000  |
| 94  | 2025-02-01-94 | University of Delaware | High-Resolution 13C-DIC Data Collection During ARC01-2026 Expedition for Constraining Anthropogenic CO2 Storage Rates and Acidification Processes in the Arctic Ocean | \$382,808   | \$0 | \$0       |
| 95  | 2025-02-01-95 | University of Delaware | Understanding Non-Platinum Group Metal Oxide Catalysts Degradation After Long-Term Performance  | \$0         | \$0 | \$453,673 |
| 96  | 2025-02-01-96 | University of Delaware | Multiscale Investigation of HBV Capsid Modulation by Small Molecules: Mechanisms of Assembly, Disassembly, and Drug Discovery   | \$0         | \$0 | \$833,330 |
| 97  | 2025-02-01-97 | University of Delaware | University of Delaware Collaborative Care Model: Interdisciplinary Training (UD-COMMIT)   | \$2,249,147 | \$0 | \$0       |
| 98  | 2025-02-01-98 | University of Delaware | Collaborative Research: ASCENT: Heterogeneously Integrated Electronic Photonic AI Accelerators (HIEPAA)   | \$356,969   | \$0 | \$0       |
| 99  | 2025-02-01-99 | University of Delaware | Guiding Innate Signaling in Skin with Microneedle Arrays to Promote Durable Antigen-Specific Tolerance During Autoimmunity  | \$0         | \$0 | \$300,000 |
| 100 | 2025-02-02-01 | University of Delaware | NSF Engine: NeuroQuantum: Accelerating Quantum with Neuroscience Engine   | \$0         | \$0 | \$216,563 |
| 101 | 2025-02-02-02 | University of Delaware | Specifics of Collective Excitations and Their Contributions to Transport Properties in Quasi-Two-Dimensional Charge Density Wave Materials                            | \$0         | \$0 | \$164,169 |
| 102 | 2025-02-02-03 | University of Delaware | Challenge of Manufactured Red Blood Cells (mRBCs) by Plasmodium Falciparum: Insight into mRBCs Form and Function on Parasite Replication and Resistance               | \$0         | \$0 | \$49,525  |
| 103 | 2025-02-02-04 | University of Delaware | Doctoral Dissertation Research: Redefining Displacement Dynamics: Climate Change and Vulnerability Among Forcibly Displaced Myanmar Nationals in Bangladesh           | \$15,226    | \$0 | \$0       |
| 104 | 2025-02-02-05 | University of Delaware | Structure-Mediated RNA Transport: Deciphering Structural Determinants of RNA Localization and Packaging   | \$1,798,247 | \$0 | \$0       |
| 105 | 2025-02-02-06 | University of Delaware | Collaborative Research: Research Infrastructure: FEC: AutoZoo - Building Autonomous Zooplankton Monitoring Using Uncrewed Systems for Researchers and Managers        | \$1,009,917 | \$0 | \$0       |
| 106 | 2025-02-02-07 | University of Delaware | Unveiling the Ecology and Biology of Mediterranean White Sharks   | \$0         | \$0 | \$58,856  |
| 107 | 2025-02-02-08 | University of Delaware | From One to Many: Paradigm Shift on the Construction of Partial Difference Sets and Bent Functions  | \$0         | \$0 | \$35,000  |
| 108 | 2025-02-02-09 | University of Delaware | Modules to Improve the Quality of the Mentor-Mentee Working Relationship  | \$249,990   | \$0 | \$0       |
| 109 | 2025-02-02-10 | University of Delaware | Multiscale Simulation of Hollow-Fiber Membrane Modules for Point-Source Carbon Capture  | \$0         | \$0 | \$710,546 |

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|-----|---------------|---------------------------|--|-------------|-----|-----------|
| 110 | 2025-02-02-11 | University of Delaware    | Decarbonizing Direct Reduction of Low-Grade Iron Ore   | \$0         | \$0 | \$543,496 |
| 111 | 2025-02-02-12 | University of Delaware    | Growsmart: Pilot Trial of an AI-Based Obesity Prevention Tool in Pediatric Primary Care                          | \$0         | \$0 | \$201,454 |
| 112 | 2025-02-02-13 | University of Delaware    | Broiler Chicken Gene Editing to Enhance Resistance to Salmonella   | \$20,000    | \$0 | \$0       |
| 113 | 2025-02-02-14 | University of Delaware    | Preparation, Perception, and Practices: How New Teachers are Processing the Student Absenteeism Crisis           | \$0         | \$0 | \$43,478  |
| 114 | 2025-02-02-15 | University of Delaware    | Modeling of Bobcat Movement in New Jersey  | \$0         | \$0 | \$119,999 |
| 115 | 2025-02-02-16 | University of Delaware    | Acquisition of Goods and Services  | \$4,545     | \$0 | \$0       |
| 116 | 2025-02-02-17 | University of Delaware    | Invasive Plant Management Equipment, Education, and Outreach   | \$0         | \$0 | \$1,400   |
| 117 | 2025-02-02-18 | University of Delaware    | Influence of Dietary Fiber Intake on the Gut-Grain Axis  | \$0         | \$0 | \$150,000 |
| 118 | 2025-02-02-19 | University of Delaware    | Ion Channels and Driving Forces: Dependence on Kir2.1 to Fine Tune Cell Signaling                                | \$1,375,000 | \$0 | \$0       |
| 119 | 2025-02-02-20 | University of Delaware    | Planting Green Early: Can it Improve Stand Establishment While Improving Weed Control                            | \$0         | \$0 | \$9,862   |
| 120 | 2025-02-02-21 | University of Delaware    | Farm Family Finance Toolkit  | \$0         | \$0 | \$9,000   |
| 121 | 2025-02-02-22 | University of Delaware    | Service Agreement with Ford Motor Company  | \$0         | \$0 | \$123,415 |
| 122 | 2025-02-02-23 | University of Delaware    | Bridging Theory-Driven and Data-Driven Approaches to Examine How Influence Predicts Human AI Cooperation         | \$62,471    | \$0 | \$0       |
| 123 | 2025-02-02-24 | University of Delaware    | FEC: Tri-State Collaborative for Defluorination of Per- and Polyfluoroalkyl Substances (PFAS)                    | \$2,416,894 | \$0 | \$0       |
| 124 | 2025-02-02-25 | University of Delaware    | Low-Cost and Replaceable Lenses for Laser Eye Protection   | \$0         | \$0 | \$52,040  |
| 125 | 2025-02-02-26 | University of Delaware    | New Statistical Methods for Fairness-Assisted Decision Making with High-Dimensional Covariates                   | \$175,923   | \$0 | \$0       |
| 126 | 2025-02-02-27 | University of Delaware    | Delivering Soybean Insect Scouting Support Tools   | \$0         | \$0 | \$3,758   |
| 127 | 2025-02-02-28 | University of Delaware    | EAGER: Exploring Automatic Optimization of Multi-Tiered HPC Storage Systems Via Practical Reinforcement Learning | \$85,903    | \$0 | \$0       |
| 128 | 2025-02-02-29 | University of Delaware    | Applying Thermally Adapted Symbionts for Enhancing Heat Tolerance in Endangered Reef Corals                      | \$0         | \$0 | \$192,257 |
| 129 | 2025-02-08-01 | Delaware State University | 2024 Black Farmers Conference  | \$215,330   | \$0 | \$0       |
| 130 | 2025-02-08-02 | Delaware State University | Advancing Photonics Technologies (APT)   | \$200,751   | \$0 | \$0       |
| 131 | 2025-02-08-03 | Delaware State University | PI-Based Iteration of Gamma Radiation Detector on VISION 60  | \$212,591   | \$0 | \$0       |
| 132 | 2025-02-08-04 | Delaware State University | Integrated Sapphire Photonics Platform for Emerging Application  | \$199,998   | \$0 | \$0       |
| 133 | 2025-02-08-05 | Delaware State University | Metal-Insulator Phase Transition in Two-Dimensional Quantum Materials and Their Heterostructure                  | \$3,000,000 | \$0 | \$0       |

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|-----|---------------|---------------------------|--|-------------|-------------|-----|
| 134 | 2025-02-08-06 | Delaware State University | Northeast Climate Adaptation Science Center (NE CASC)                      | \$467,205   | \$0         | \$0 |
| 135 | 2025-02-08-07 | Delaware State University | Child and Family Workforce Development (CFWD) Project                      | \$2,399,998 | \$0         | \$0 |
| 136 | 2025-02-08-08 | Delaware State University | Advanced 3D Nano Printing Facility for Electrochemical Catalyst Innovation | \$168,000   | \$0         | \$0 |
| 137 | 2025-02-08-09 | Delaware State University | Biocarbons for Advanced Supercapacitors: Sustainable Synthesis             | \$326,748   | \$0         | \$0 |
| 138 | 2025-02-08-10 | Delaware State University | FY24 Agriculture Extension   | \$1,510,158 | \$1,510,158 | \$0 |
| 139 | 2025-02-08-11 | Delaware State University | A Study of PFAS Awareness and Health                                       | 304,429.00  | \$0         | \$0 |

Created 2/13/2025

**Delaware State Clearinghouse Committee**  
**March Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**March 18, 2025 @ 10:00am**

| <b>Item</b>                 | <b>SAH#</b> | <b>Applicant</b>   | <b>Project Title</b>  | <b>Federal</b> | <b>Funding State</b> | <b>Other</b> | <b>Federal</b> | <b>Positions State</b> | <b>Other</b> |
|-----------------------------|-------------|--|---|----------------|----------------------|--------------|----------------|------------------------|--------------|
| <b><u>New Business*</u></b> |             |  |   |                |                      |              |                |                        |              |
| 1                           | 6656        | Department of Health and Social Services, Social Services                                  | Child Care Development Fund Discretionary, American Relief Act                          | \$696,335      | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 2                           | 6657        | Department of Natural Resources and Environmental Control, Watershed Stewardship           | Shellfish Training Conference, Administration of Food and Drink Officials               | \$5,667        | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| <b><u>Continued</u></b>     |             |  |   |                |                      |              |                |                        |              |
| 1                           | 6626        | Executive, Criminal Justice, Criminal Justice Council                                      | Title II Formula Block Grant  | \$480,656      | \$48,066             | \$0          | 0.44           | 0.37                   | 0.00         |
| 2                           | 6647        | Executive, Criminal Justice, Criminal Justice Council                                      | Byrne State Crisis Intervention Program   | \$773,651      | \$0                  | \$0          | 0.27           | 0.00                   | 0.00         |
| 3                           | 6652        | Executive, Criminal Justice, Criminal Justice Council                                      | Sexual Assault Services Program   | \$783,733      | \$0                  | \$0          | 0.19           | 0.00                   | 0.00         |
| 4                           | 6653        | Executive, Criminal Justice, Criminal Justice Council                                      | Services-Training-Officers-Prosecutors (STOP) Violence Against Women Act Formula Grant  | \$1,012,816    | \$155,964            | \$55,108     | 2.04           | 0.69                   | 0.00         |
| 5                           | 6663        | Executive, Office of Management and Budget, Food Distribution                              | The Emergency Food Assistance Program Commodity Credit Corporation                      | \$66,000       | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 6                           | 6661        | Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty | State Health Insurance Assistance Program   | \$1,435,165    | \$0                  | \$0          | 3.10           | 0.00                   | 0.00         |
| 7                           | 6660        | Legal, Department of Justice   | Victims Compensation Formula Grant (VOCA)   | \$834,000      | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 8                           | 6590        | Department of Health and Social Services, Public Health, Community Health                  | Ryan White Care Act Title II  | \$4,641,631    | \$0                  | \$0          | 3.55           | 0.00                   | 0.00         |
| 9                           | 6633        | Department of Health and Social Services, Public Health, Community Health                  | Integrated Adult Viral Hepatitis Surveillance/Prevention                                | \$307,003      | \$0                  | \$0          | 1.50           | 0.00                   | 0.00         |
| 10                          | 6634        | Department of Health and Social Services, Public Health, Community Health                  | Primary Care Services Resource Coordination and Development of Primary Care Offices     | \$158,844      | \$0                  | \$0          | 0.25           | 0.00                   | 0.00         |
| 11                          | 6635        | Department of Health and Social Services, Public Health, Community Health                  | Title X Family Planning Services  | \$1,595,073    | \$1,325,362          | \$0          | 3.00           | 0.00                   | 0.00         |
| 12                          | 6642        | Department of Health and Social Services, Public Health, Community Health                  | Improving Sexually Transmitted Diseases through Prevention                              | \$404,357      | \$0                  | \$0          | 3.40           | 0.00                   | 0.00         |
| 13                          | 6645        | Department of Health and Social Services, Public Health, Community Health                  | Medical Monitoring Project  | \$360,444      | \$0                  | \$0          | 1.90           | 0.00                   | 0.00         |
| 14                          | 6646        | Department of Health and Social Services, Public Health, Community Health                  | National and State Tobacco Control Program  | \$991,511      | \$0                  | \$0          | 5.00           | 0.00                   | 0.00         |
| 15                          | 6649        | Department of Health and Social Services, Social Services                                  | Supplemental Nutrition Assistance Program – Electronic Benefits Transfer State Exchange | \$10,000       | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 16                          | 6651        | Department of Health and Social Services, Social Services                                  | Delaware Senior Medicare Patrol Program Funds   | \$291,703      | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 17                          | 6664        | Department of Health and Social Services, Public Health, Community Health                  | Public Health Crisis Response   | \$5,000,000    | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 18                          | 6650        | Department of Natural Resources and Environmental Control, Watershed Stewardship           | Shellfish Training, Administration of Food and Drug Officials                           | \$8,168        | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 19                          | 6648        | Department of Safety and Homeland Security, State Police, Traffic                          | Motor Carrier Safety Assistance Program   | \$1,888,062    | \$99,372             | \$0          | 7.30           | 0.30                   | 0.00         |

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|----|------|---|--|-----------|-----|-----|------|------|------|
| 20 | 6658 | Department of Safety and Homeland Security, Office of the Secretary, Division of Forensic Science | DNA Capacity Enhancement and Backlog Reduction Program | \$600,000 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 21 | 6659 | Department of Safety and Homeland Security, Division of Forensic Science                          | Byrne Discretionary Community Project Funding          | \$950,000 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |

#### Higher Education

|    |               |                        |   |             |     |           |  |  |  |
|----|---------------|------------------------|---|-------------|-----|-----------|--|--|--|
| 1  | 2025-03-01-01 | University of Delaware | Ronald E. McNair Post-Baccalaureate Achievement   | \$257,375   | \$0 | \$0       |  |  |  |
| 2  | 2025-03-01-02 | University of Delaware | Evaluating Force Deficits During Bimanual Coordination in Parkinson's Disease: Insights from Multimodal Imaging             | \$100,000   | \$0 | \$0       |  |  |  |
| 3  | 2025-03-01-03 | University of Delaware | Blending Technology and Education to Build Community Capacity, Reducing Marine Debris                                       | \$738,917   | \$0 | \$0       |  |  |  |
| 4  | 2025-03-01-04 | University of Delaware | BatSafeGPT: Physics-Informed Neural Network Models for Fast and Quantitative Battery Safety Analysis                        | \$2,394,225 | \$0 | \$0       |  |  |  |
| 5  | 2025-03-01-05 | University of Delaware | Application-Aware Co-Design of Quantum-Classical Algorithms for High-Performance and Quantum Computing Systems              | \$1,617,202 | \$0 | \$0       |  |  |  |
| 6  | 2025-03-01-06 | University of Delaware | Next-Generation Inertial Sensors: Harnessing Time-Modulated Exceptional Points for Extreme Sensitivity                      | \$580,931   | \$0 | \$0       |  |  |  |
| 7  | 2025-03-01-07 | University of Delaware | Lightweight and High-Performance Topology-Optimized Architected Composite Drone Frames for Agile and Scalable Manufacturing | \$696,195   | \$0 | \$0       |  |  |  |
| 8  | 2025-03-01-08 | University of Delaware | Media Optimization to Enhance Allograft Viability   | \$0         | \$0 | \$16,097  |  |  |  |
| 9  | 2025-03-01-09 | University of Delaware | CIFAR Co-Director Humans & the Microbiome Program 2024-2025   | \$0         | \$0 | \$40,511  |  |  |  |
| 10 | 2025-03-01-10 | University of Delaware | HCC: Small: Self-Body Perceptions in Virtual Reality Among Racially and Ethnically Diverse Young Women                      | \$373,969   | \$0 | \$0       |  |  |  |
| 11 | 2025-03-01-11 | University of Delaware | Public Allies FY25/26 National Support  | \$0         | \$0 | \$621,319 |  |  |  |
| 12 | 2025-03-01-12 | University of Delaware | Techmate, an Adaptive Learning Tool for Operational Awareness and Training  | \$0         | \$0 | \$640,481 |  |  |  |
| 13 | 2025-03-01-13 | University of Delaware | Constraining Intra-Galactic Substructure with Ultrafaint Dwarfs and its Implications for Particle Dark Matter               | \$0         | \$0 | \$105,860 |  |  |  |
| 14 | 2025-03-01-14 | University of Delaware | Bicycles as a Human-Technology Interface Reshaping Urban Mobility   | \$200,278   | \$0 | \$0       |  |  |  |
| 15 | 2025-03-01-15 | University of Delaware | A Cross-Sector Collaborative to Improve Housing Resilience to Hurricanes  | \$284,451   | \$0 | \$0       |  |  |  |
| 16 | 2025-03-01-16 | University of Delaware | A Closed-Loop Sustainable Strategy for Carbon Fiber Thermoset Prepreg Repair  | \$1,021,970 | \$0 | \$0       |  |  |  |
| 17 | 2025-03-01-17 | University of Delaware | MFS-SPEED: Accelerating Material Design for Multifunctional Packaging with Generative AI                                    | \$296,136   | \$0 | \$0       |  |  |  |
| 18 | 2025-03-01-18 | University of Delaware | Cognitive and Neural Representations of Visual Scenes   | \$442,945   | \$0 | \$0       |  |  |  |
| 19 | 2025-03-01-19 | University of Delaware | Enhancing Gut Health Through Food Matrix Structuring: Transforming Waste Byproducts for Human Microbiome Benefits           | \$1,375,000 | \$0 | \$0       |  |  |  |
| 20 | 2025-03-01-20 | University of Delaware | Collaborative Research: FEC: Integrated Sapphire Photonics Platform for Emerging Applications                               | \$1,227,263 | \$0 | \$0       |  |  |  |

|    |               |                        |  |             |     |           |
|----|---------------|------------------------|--|-------------|-----|-----------|
| 21 | 2025-03-01-21 | University of Delaware | Collaborative Research: DMREF: Digital Research for Engineering Architected Materials (DREAM)  | \$638,016   | \$0 | \$0       |
| 22 | 2025-03-01-22 | University of Delaware | Collaborative Research: ASCENT: Reconfigurable Hyperdimensional Meshing with 3D Photonic Chip-on-Panel   | \$369,596   | \$0 | \$0       |
| 23 | 2025-03-01-23 | University of Delaware | Collaborative Research: DMREF: Designing Programmable Opto-Magnonic Materials  | \$293,974   | \$0 | \$0       |
| 24 | 2025-03-01-24 | University of Delaware | Diagnostic Services Per Task Orders Related to IDIQ NWRC   | \$100,000   | \$0 | \$0       |
| 25 | 2025-03-01-25 | University of Delaware | Construction of 3D Divergence-Free Finite Elements   | \$0         | \$0 | \$35,000  |
| 26 | 2025-03-01-26 | University of Delaware | Collaborative Research: DMREF: Closed-Loop Design and Synthesis of Upconversion Heterostructure Materials to Enable New Paradigms for Solar Harvesting                 | \$1,079,626 | \$0 | \$0       |
| 27 | 2025-03-01-27 | University of Delaware | DMREF: NSF-DFG: Inverse Design of MAGntronics for INnovative Engineering (IMAGINE) Via Closed Loop Computational Quantum Transport-Machine Learning-Nanofabrication    | \$1,321,580 | \$0 | \$0       |
| 28 | 2025-03-01-28 | University of Delaware | Integrating Multiscale Modeling and Deep Learning for Intelligent Antibody Design  | \$1,375,000 | \$0 | \$0       |
| 29 | 2025-03-01-29 | University of Delaware | Developmental Pathways to Self-Regulation: Examining the Influence of Early Stress and Caregiver Responsiveness  | \$0         | \$0 | \$101,737 |
| 30 | 2025-03-01-30 | University of Delaware | Collaborative Research: Influences of Upland Groundwater on Salt Marsh Hydrology and Resilience  | \$225,815   | \$0 | \$0       |
| 31 | 2025-03-01-31 | University of Delaware | Senators' Papers Preservation Partnership  | \$1,051,895 | \$0 | \$0       |
| 32 | 2025-03-01-32 | University of Delaware | Anthony J. Loudis Recital Hall Renovation  | \$0         | \$0 | \$100,000 |
| 33 | 2025-03-01-33 | University of Delaware | Lubricant Aided, Low-Energy Mechanical Pre-Processing for Improved Recycling of Consumer Textiles  | \$0         | \$0 | \$86,114  |
| 34 | 2025-03-01-34 | University of Delaware | CAS: Functionalization of Earth-Abundant, Molecular Group 4 Photosensitizers for Photocatalytic Applications   | \$380,453   | \$0 | \$0       |
| 35 | 2025-03-01-35 | University of Delaware | Renovation of an Existing Facility into Animal Housing and Support Spaces to Accommodate Increase Federally Funded Life-Science Research at the University of Delaware | \$7,998,530 | \$0 | \$0       |
| 36 | 2025-03-01-36 | University of Delaware | Interstellar Mapping and Acceleration Probe (IMAP) Phase E   | \$0         | \$0 | \$296,251 |
| 37 | 2025-03-01-37 | University of Delaware | REU Supplement to NSF EEC-2100502: IUCRC Phase II+ University of Delaware Advanced Mammalian Biomanufacturing Innovation Center  | \$20,000    | \$0 | \$0       |
| 38 | 2025-03-01-38 | University of Delaware | Plastisphere-Soil Interactions Center  | \$2,029,879 | \$0 | \$0       |
| 39 | 2025-03-01-39 | University of Delaware | Breaking Barriers by Inviting Women and Minoritized Candidates to Apply: A Convergent Mixed Methods Approach to Systematically Diversifying Principals                 | \$0         | \$0 | \$240,174 |
| 40 | 2025-03-01-40 | University of Delaware | RII Track-2 FEC: Advancing Climate Neutrality in Farming Communities Through Upcycling Natural Fiber   | \$0         | \$0 | \$281,250 |
| 41 | 2025-03-01-41 | University of Delaware | Collaborative Research: Synthetic Acetyl-CoA-Responsive Metabolons for Enhanced Biosynthesis in Yeast  | \$228,306   | \$0 | \$0       |
| 42 | 2025-03-01-42 | University of Delaware | Umpolung Approaches to Bioactive Nitrogen-Containing Heterocycles  | \$1,250,000 | \$0 | \$0       |
| 43 | 2025-03-01-43 | University of Delaware | MTU/NSF Collaborative Research: Advancing Re-and Co-Use in Arctic Industrial Development (ARCAID) - NSF 23-572   | \$0         | \$0 | \$328,406 |

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|----|---------------|------------------------|---|-------------|-----|-----------|
| 44 | 2025-03-01-44 | University of Delaware | Coalition for Translational Entrepreneurship InDE Fellowship Program  | \$75,000    | \$0 | \$0       |
| 45 | 2025-03-01-45 | University of Delaware | Advanced 3D Nano Printing Facility for Electrochemical Catalyst Innovation  | \$2,085,681 | \$0 | \$0       |
| 46 | 2025-03-01-46 | University of Delaware | IR 4 Northeast Region Minor Crop Pest Management Program  | \$0         | \$0 | \$19,500  |
| 47 | 2025-03-01-47 | University of Delaware | AAV Size Exclusion Analysis   | \$0         | \$0 | \$4,688   |
| 48 | 2025-03-01-48 | University of Delaware | GOALI: DMREF: Accelerated Materials Discovery to Facilitate High-Fidelity Nanopatterned Growth by Chemo-Selective Deposition  | \$0         | \$0 | \$464,514 |
| 49 | 2025-03-01-49 | University of Delaware | Collaborative Research: DMREF: Graph-Guided, Atom-Precise Heterostructures with Tunable Electronic Structure and Microenvironments for Photocatalytic CO <sub>2</sub> Reduction | \$329,267   | \$0 | \$0       |
| 50 | 2025-03-01-50 | University of Delaware | Minor Consent Laws and Adolescent Access to Mental Health and Substance Use Treatment   | \$2,816,447 | \$0 | \$0       |
| 51 | 2025-03-01-51 | University of Delaware | The Effects of Complex Thermal Gradients and Disturbance Interactions in Hypersonic Boundary Layers   | \$920,787   | \$0 | \$0       |
| 52 | 2025-03-01-52 | University of Delaware | Decision-Making as a Controllable Process in Neurotypical and Mild Cognitive Impairment   | \$2,476,185 | \$0 | \$0       |
| 53 | 2025-03-01-53 | University of Delaware | IR4 Northeast Region Minor Crop Pest Management Program FY25  | \$0         | \$0 | \$29,000  |
| 54 | 2025-03-01-54 | University of Delaware | Magnonic Straintronics: Strain Engineering of Magnonic Hybrid Systems   | \$398,480   | \$0 | \$0       |
| 55 | 2025-03-01-55 | University of Delaware | Timac Agro 2024 Corn Silage Study   | \$0         | \$0 | \$15,016  |
| 56 | 2025-03-01-56 | University of Delaware | Autonomous Physics-Informed AI Design of Polymer Binders: Pioneering Sustainable Battery Manufacturing  | \$1,067,943 | \$0 | \$0       |
| 57 | 2025-03-01-57 | University of Delaware | DARKWater (Data Accelerated Radiance and Kinetics for Water)  | \$0         | \$0 | \$41,872  |
| 58 | 2025-03-01-58 | University of Delaware | Leveraging Consolidation to Improve Response to Treatment in Children with Residual Speech Sound Disorders  | \$2,333,631 | \$0 | \$0       |
| 59 | 2025-03-01-59 | University of Delaware | New Statistical Methods for Inference, Representation Learning, and Deep Generative Modeling of Single-Cell Data  | \$1,375,000 | \$0 | \$0       |
| 60 | 2025-03-01-60 | University of Delaware | DMREF: Elucidating and Harnessing Excess Carrier Effects on Semiconductor Defects and Diffusion   | \$0         | \$0 | \$377,557 |
| 61 | 2025-03-01-61 | University of Delaware | DMREF: Machine Learning-Accelerated Film Synthesis Enabled by Electron Diffraction  | \$1,349,556 | \$0 | \$0       |
| 62 | 2025-03-01-62 | University of Delaware | Collecting <sup>13</sup> C-DIC Data During ECOA 2026 to Constrain Anthropogenic CO <sub>2</sub> Accumulation Rates and Their Impacts on Ocean Acidification                     | \$185,169   | \$0 | \$0       |
| 63 | 2025-03-01-63 | University of Delaware | Examining the Role of Aerobic Exercise on Vocabulary Learning in Children with and Without Developmental Language Disorder  | \$2,329,222 | \$0 | \$0       |
| 64 | 2025-03-01-64 | University of Delaware | Tailored-Hybridized Aligned Discontinuous Fiber Tape for H <sub>2</sub> Gas Storage   | \$2,368,181 | \$0 | \$0       |
| 65 | 2025-03-01-65 | University of Delaware | Verifying the PETSc Vector Module with CIVL   | \$0         | \$0 | \$22,837  |
| 66 | 2025-03-01-66 | University of Delaware | Development of Electrolyte Materials for Proton Conducting Solid Oxide Electrolysis Cells   | \$0         | \$0 | \$47,416  |

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|----|---------------|------------------------|---|-------------|-----|-----------|
| 67 | 2025-03-01-67 | University of Delaware | Fast Dry-Processable Electrode Manufacturing for High-Power Thick Battery Electrodes  | \$0         | \$0 | \$25,000  |
| 68 | 2025-03-01-68 | University of Delaware | Change in Contraceptive Behavior and Associated Pregnancy Intentions About Births Following the Dobbs Decision  | \$323,143   | \$0 | \$0       |
| 69 | 2025-03-01-69 | University of Delaware | Collaborative Research: EXPAND: The Role of Spatial Organization on Plastic Degradation Rates in Plastic-Degrading Biofilms   | \$881,154   | \$0 | \$0       |
| 70 | 2025-03-01-70 | University of Delaware | Modeling of Electrochemical Cycling Behaviors of Defective Lithium Ion Batteries  | \$0         | \$0 | \$25,000  |
| 71 | 2025-03-01-71 | University of Delaware | High Temperature Removable Tooling  | \$0         | \$0 | \$67,501  |
| 72 | 2025-03-01-72 | University of Delaware | Collaborative Research: NiCE: Neurobiology of the Krill Visual System in a Changing Arctic  | \$449,013   | \$0 | \$0       |
| 73 | 2025-03-01-73 | University of Delaware | Identifying Predictive Processing Deficits in Children Who Stutter  | \$375,000   | \$0 | \$0       |
| 74 | 2025-03-01-74 | University of Delaware | NSF 25-507: Human-Environment and Geographical Sciences Program (HEGS). Analyzing the Relationships Between Food Production, Nutrition, Human Health Under the Impacts of Climate Change. | \$319,705   | \$0 | \$0       |
| 75 | 2025-03-01-75 | University of Delaware | Advancing Oceanographic Retrievals and Interpretation for NASA Airborne LiDAR Systems   | \$504,265   | \$0 | \$0       |
| 76 | 2025-03-01-76 | University of Delaware | Global and Local Risks of Rising Water Scarcity to Food Production and Supply   | \$0         | \$0 | \$4,952   |
| 77 | 2025-03-01-77 | University of Delaware | Annie E. Casey Foundation Kids Count Delaware Project Support 2025  | \$0         | \$0 | \$52,174  |
| 78 | 2025-03-01-78 | University of Delaware | Collaborative Research: Elucidating and Manipulating Carbon Metabolic Niches in Soil Microbiomes Using Synthetic Communities for Sustainable Agriculture                                  | \$365,950   | \$0 | \$0       |
| 79 | 2025-03-01-79 | University of Delaware | Influence of Dietary Fiber Intake on the Gut-Brain Axis   | \$661,597   | \$0 | \$0       |
| 80 | 2025-03-01-80 | University of Delaware | Organic Functional Health Beverages: Their Curcuminoid Derivatives and Antioxidant Properties   | \$0         | \$0 | \$90,909  |
| 81 | 2025-03-01-81 | University of Delaware | GCR: Food Waste Valorization to Volatile Fatty Acids Using Systems Based Biological Transformations   | \$2,435,305 | \$0 | \$0       |
| 82 | 2025-03-01-82 | University of Delaware | Collaborative Research: EAGER: Targeted Proximity Labeling of Extracellular Vesicles with Fluorescence and Biotin to Characterize Their Release, Uptake, and Contents                     | \$103,685   | \$0 | \$0       |
| 83 | 2025-03-01-83 | University of Delaware | Flyway Models and Metrics in the Assessment of OWF Impacts on Migratory Fishes  | \$0         | \$0 | \$17,392  |
| 84 | 2025-03-01-84 | University of Delaware | Probing the Morphology of Debris Disks with White Dwarf Pulsations  | \$143,618   | \$0 | \$0       |
| 85 | 2025-03-01-85 | University of Delaware | BPS RFA-021: Additive Manufacturing of Geopolymers for In-Situ Resource Utilization in Support of Human Space Exploration   | \$78,125    | \$0 | \$0       |
| 86 | 2025-03-01-86 | University of Delaware | The Effects of Repetitive Head Impacts on Postural Control in Mature Adults   | \$0         | \$0 | \$2,000   |
| 87 | 2025-03-01-87 | University of Delaware | Causality of Motor Function in the Reticulospinal Tract in Healthy and Post-Stroke Individuals  | \$0         | \$0 | \$273,394 |
| 88 | 2025-03-01-88 | University of Delaware | Enabling Serendipitous Discovery with Machine Learning for Large Sky Surveys: Synergizing TESS, Roman, and Rubin  | \$91,424    | \$0 | \$0       |
| 89 | 2025-03-01-89 | University of Delaware | Collaborative Research: Understanding the Role of Turbulence and Diffusion in the Acceleration and Transport of Solar Energetic Particles   | \$201,019   | \$0 | \$0       |

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|-----|---------------|------------------------|---|-----------|-----|-----------|
| 90  | 2025-03-01-90 | University of Delaware | Determining How ECM Stiffness Directs Epithelial Patterning Using the Mouse Embryonic Kidneys as a Model System   | \$0       | \$0 | \$830,000 |
| 91  | 2025-03-01-91 | University of Delaware | Collaborative Research: Flocculation Dynamics in Estuarine Boundary Layers - Advancing New Understanding Through an Integrated Field, Laboratory, and Computational Study                     | \$329,495 | \$0 | \$0       |
| 92  | 2025-03-01-92 | University of Delaware | Expanding the National Water Model to Predict Field-Scale Daily Runoff Risk   | \$0       | \$0 | \$136,543 |
| 93  | 2025-03-01-93 | University of Delaware | Conference: Supplementary Funds for "NEAM 2025 - The Northeastern Analysis Meeting  | \$30,184  | \$0 | \$0       |
| 94  | 2025-03-01-94 | University of Delaware | Breaking Down Atmospheric Deposition of Iron to the North Atlantic: Soluble, Colloidal and Labile Particulate Contributions   | \$249,437 | \$0 | \$0       |
| 95  | 2025-03-01-95 | University of Delaware | Doctoral Dissertation Research: Sustainable Lithium Mining in Namibia: Characterizing Complexities of Resource Discovery, Environmental and Social Challenges Amid Global Energy Transition   | \$19,025  | \$0 | \$0       |
| 96  | 2025-03-01-96 | University of Delaware | Regulation of HPV Infection by the Mechanical Microenvironment of the Cervix  | \$316,558 | \$0 | \$0       |
| 97  | 2025-03-01-97 | University of Delaware | Glial and Neuronal Structure and Function in Developmental Stuttering-Related Gnptab Mouse Model  | \$275,000 | \$0 | \$0       |
| 98  | 2025-03-01-98 | University of Delaware | Tackling Convection: The Helium Atmosphere White Dwarf Instability Strip as a Tool to Improve Mixing Length Theory and Convective Modeling  | \$143,618 | \$0 | \$0       |
| 99  | 2025-03-01-99 | University of Delaware | Epigenetic Biomarkers for Spastic Cerebral Palsy  | \$0       | \$0 | \$431,809 |
| 100 | 2025-03-02-01 | University of Delaware | Accelerating AF Repair with a Multi-Factor Mechanoactive Patch  | \$0       | \$0 | \$216,279 |
| 101 | 2025-03-02-02 | University of Delaware | RFA-019: Leveraging Virtual Reality Technology for Analyzing 3D Astrophysical Simulations   | \$78,125  | \$0 | \$0       |
| 102 | 2025-03-02-03 | University of Delaware | EDGE CMT: Combinatorial Control of Erythroid Differentiation Via Proteostasis and Mechanosensation Machineries and Implications for Blood Disorders   | \$678,739 | \$0 | \$0       |
| 103 | 2025-03-02-04 | University of Delaware | Digital Twin to Unlock High Volume Composite Molding: Enabling Scalable Production of Composite Battery Housings for Ultra-Light and Efficient Electric Vehicles                              | \$0       | \$0 | \$81,250  |
| 104 | 2025-03-02-05 | University of Delaware | An Operational BioTrack: Monitoring At-Risk Marine Species Biodiversity Hotspot Interactions with Management and Resource Use Areas to Support Stakeholder Needs in the Face of Global Change | \$0       | \$0 | \$61,767  |
| 105 | 2025-03-02-06 | University of Delaware | MCA: Advancing Digital Rock Physics with AI-Driven Image Translation Techniques   | \$0       | \$0 | \$25,014  |
| 106 | 2025-03-02-07 | University of Delaware | Novel Membranes to Remove Carbon Monoxide from Hydrogen   | \$0       | \$0 | \$29,255  |
| 107 | 2025-03-02-08 | University of Delaware | Improved Regional Monitoring of Insect Crop Pests and Vectors of Plant Diseases in the US Midwest   | \$0       | \$0 | \$36,623  |
| 108 | 2025-03-02-09 | University of Delaware | Characterization of Anomalously High Phytoplankton Patches (AHPPs) Through Remote Sensing and Biophysical Modeling  | \$146,825 | \$0 | \$0       |
| 109 | 2025-03-02-10 | University of Delaware | Integrating Optical and Acoustic Scattering Signals to Advance Remote Sensing   | \$146,825 | \$0 | \$0       |
| 110 | 2025-03-02-11 | University of Delaware | Simulating Solar Neighborhood Brown Dwarfs: Towards the Fifty Parsec Sample   | \$137,196 | \$0 | \$0       |
| 111 | 2025-03-02-12 | University of Delaware | BCSER: Investigating Relations Among Elementary Teachers' Mathematics Emotions, Their Instructional Practices, and Their Students' Mathematics Engagement                                     | \$218,751 | \$0 | \$0       |
| 112 | 2025-03-02-13 | University of Delaware | QLCI: Quantum SEnsors for Exploring the Dark Sector (Q-SEEDS)   | \$0       | \$0 | \$806,393 |

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|-----|---------------|---------------------------|--|-------------|-----|----------|
| 113 | 2025-03-02-14 | University of Delaware    | What Lies Beneath: Classifying Benthic Habitats in Nearshore Marine Ecosystem Using Remote Sensing and Deep Learning           | \$100,052   | \$0 | \$0      |
| 114 | 2025-03-02-15 | University of Delaware    | Supporting Literacy Outcomes for English Learners Through Text-Based Discussion  | \$0         | \$0 | \$53,343 |
| 115 | 2025-03-02-16 | University of Delaware    | Impact-Resistant Composite Structures for Spacesuits   | \$0         | \$0 | \$23,561 |
| 116 | 2025-03-08-01 | Delaware State University | Potyvirus Nib Protein Dual Function of Synthesizing Viral RNA and Protecting it from Degradation                               | \$1,121,497 | \$0 | \$0      |
| 117 | 2025-03-08-02 | Delaware State University | Innovative Language Bambara - Less Commonly Taught Language: A Case Study-Using Virtual Reality (VR) as Methods of Instruction | \$304,834   | \$0 | \$0      |
| 118 | 2025-03-08-03 | Delaware State University | Circuits and Mechanisms Through Which Basal Forbrain Cholinergic Neurons Facilities Fear Extinction                            | \$58,514    | \$0 | \$0      |
| 119 | 2025-03-08-04 | Delaware State University | MSW Scholarships for Disadvantaged Students Committed to Practice in Rural or Medically Underserved Areas                      | \$3,227,565 | \$0 | \$0      |
| 120 | 2025-03-08-05 | Delaware State University | Exploring the Needs of Parents of Transitional Aged Youth with Autism Spectrum Disorder  | \$120,000   | \$0 | \$0      |
| 121 | 2025-03-08-06 | Delaware State University | GCR: Food Waste Valorization to Volatile Fatty Acids Using Systems Based Biological Transformations                            | \$431,315   | \$0 | \$0      |
| 122 | 2025-03-08-07 | Delaware State University | Delaware State University (Merit-Based Graduated Investment) Initiative  | \$1,000,000 | \$0 | \$0      |

Created 3/4/2025

**Delaware State Clearinghouse Committee**  
**April Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**April 15, 2025 @ 10:00am**

| <b>Item</b>                    | <b>SA#</b>     | <b>Applicant</b>  | <b>Project Title</b>   | <b>Federal</b> | <b>Funding State</b> | <b>Other</b> | <b>Federal</b> | <b>Positions State</b> | <b>Other</b> |
|--------------------------------|----------------|---|--|----------------|----------------------|--------------|----------------|------------------------|--------------|
| <b><u>New Business*</u></b>    |                |   |  |                |                      |              |                |                        |              |
| 1                              | 2024-12-02-01  | Department of State, Division of Libraries  | Digital Literacy Workshop Incentive  | \$0            | \$0                  | \$10,000     | 0.00           | 0.00                   | 0.00         |
| 2                              | 2025-01-02-01  | Department of State, Division of Libraries  | Digital Navigator Workshop Incentive   | \$0            | \$0                  | \$4,000      | 0.00           | 0.00                   | 0.00         |
| 3                              | 2025-01-30-01  | Department of State, Division of Libraries  | Storytelling for Literacy and Community Healing  | \$0            | \$0                  | \$81,000     | 0.00           | 0.00                   | 0.00         |
| 4                              | 6668           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife                   | Saltmarsh Habitat  | \$137,250      | \$45,750             | \$0          | 0.15           | 0.15                   | 0.00         |
| 5                              | 6674           | Delaware National Guard   | Cheswold National Guard Readiness Center (MILCON)  | \$21,000,000   | \$7,000,000          | \$0          | 0.00           | 0.00                   | 0.00         |
| <b><u>Continued</u></b>        |                |   |  |                |                      |              |                |                        |              |
| 1                              | 6671           | Executive, Criminal Justice, Criminal Justice Council   | John R. Justice Grant  | \$61,710       | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 2                              | 6636           | Department of Health and Social Services, Public Health, Community Health   | Advancing Health Equity - Diabetes   | \$850,000      | \$0                  | \$0          | 2.52           | 0.00                   | 0.00         |
| 3                              | 6638           | Department of Health and Social Services, Public Health, Community Health   | Pregnancy Risk Assessment Monitoring System  | \$152,725      | \$0                  | \$0          | 1.00           | 0.00                   | 0.00         |
| 4                              | 6655           | Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health                        | Certified Community Behavior Health Clinic (CCBHC)   | \$1,000,000    | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 5                              | 6662           | Department of Health and Social Services, Public Health, Community Health   | Small, Underserved and Disadvantaged Communities - Emerging Contaminants (IIJA)  | \$9,892,000    | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 6                              | 6666           | Department of Health and Social Services, Public Health, Community Health   | Diabetes Self Management Education and Support   | \$100,000      | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 7                              | 6667           | Department of Health and Social Services, Public Health, Community Health   | State Office of Rural Health   | \$223,410      | \$670,230            | \$0          | 0.50           | 0.00                   | 0.00         |
| 8                              | 3310 Amendment | Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship               | Local Cooperation Agreement-Delaware Coast Protection Project  | \$1,306,772    | \$1,901,612          | \$0          | 0.00           | 0.25                   | 0.00         |
| 9                              | 6665           | Department of Natural Resources and Environmental Control, Office of Environmental Protection; Climate, Coastal, and Energy | Weatherization Assistance Program  | \$902,980      | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 10                             | 6675           | Department of Agriculture, Animal Health  | Swine Health Improvement Plan  | \$3,500        | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| 11                             | 6678           | Department of Agriculture, Animal and Plant Health Inspection   | Annual Box Tree Moth   | \$24,041       | \$0                  | \$0          | 0.00           | 0.00                   | 0.00         |
| <b><u>Higher Education</u></b> |                |   |  |                |                      |              |                |                        |              |
| 1                              | 6300 Amendment | Delaware Technical Community College  | Federal Pell Grant   | \$11,261,863   | \$0                  | \$0          |                |                        |              |
| 2                              | 2025-04-05-01  | University of Delaware  | University of Delaware Leadership in Civic Engagement  | \$0            | \$0                  | \$208,141    |                |                        |              |
| 3                              | 2025-04-05-02  | University of Delaware  | Cooperative Program Between City of Wilmington Delaware and the University of Delaware Water Resources Agency: Water Resource Protection Area Program (WRPA) | \$0            | \$0                  | \$67,796     |                |                        |              |
| 4                              | 2025-04-05-03  | University of Delaware  | Long-Lasting Lithium Delivery with LINHA Gel for Continuous Joint Protection and Disease Control   | \$0            | \$0                  | \$349,999    |                |                        |              |

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|----|---------------|------------------------|---|-------------|-----------|--------------|
| 5  | 2025-04-05-04 | University of Delaware | Energetic Materials Basic Research: Thrust 4. Structural Energetics   | \$0         | \$0       | \$283,599    |
| 6  | 2025-04-05-05 | University of Delaware | Understanding Fabric Sourcing and Promoting Cotton as the Preferred Sustainable Fiber   | \$0         | \$0       | \$26,554     |
| 7  | 2025-04-05-06 | University of Delaware | Nemours Khalife YR4   | \$0         | \$0       | \$37,645     |
| 8  | 2025-04-05-07 | University of Delaware | Collaborative Research: MFS-SPEED: AI-Driven Development of Sustainable Omnipobic Polymer Coatings for Functional Surfaces  | \$639,325   | \$0       | \$0          |
| 9  | 2025-04-05-08 | University of Delaware | The Influence of Phone-Free School Policies on Children's Mental Health   | \$0         | \$0       | \$98,400     |
| 10 | 2025-04-05-09 | University of Delaware | Influence of Universal Pre-Kindergarten on Students' Health and Education   | \$0         | \$0       | \$98,400     |
| 11 | 2025-04-05-10 | University of Delaware | Expanding our Partnership: Steps Towards a Cure   | \$0         | \$0       | \$11,859,611 |
| 12 | 2025-04-05-11 | University of Delaware | Study of the U.S. Institutes Madeline K. Albright Young Women Leaders Program   | \$0         | \$0       | \$204,850    |
| 13 | 2025-04-05-12 | University of Delaware | Doctoral Dissertation Research: Sustainable Lithium Mining in Namibia: Characterizing Complexities of Resource Discovery, Environmental and Social Challenges Amid Global Energy Transition | \$19,025    | \$0       | \$0          |
| 14 | 2025-04-05-13 | University of Delaware | Sustainable Mobility & Accessibility Regional Transportation Economic Research (SMARTER) Center   | \$0         | \$126,204 | \$125,988    |
| 15 | 2025-04-05-14 | University of Delaware | Investigating the X-Ray and Tev Correlation of Ver J0521+211 with Swift-Xrt and Veritas   | \$24,996    | \$0       | \$0          |
| 16 | 2025-04-05-15 | University of Delaware | T7.04-1002 Lunar Habitat Protection and Infrastructure Development Using 3D Filament Tethering (3DFiT), A Scalable, Fiber-Reinforced Regolith Shielding System                              | \$0         | \$0       | \$30,000     |
| 17 | 2025-04-05-16 | University of Delaware | Engaging Loved Ones to Improve Recovery Capital and Treatment-Related Outcomes Among People in Treatment for Opioid Use Disorder  | \$2,238,033 | \$0       | \$0          |
| 18 | 2025-04-05-17 | University of Delaware | Vascular Effects of Dietary Potassium and Sodium on Pulsatile Load  | \$2,395,119 | \$0       | \$0          |
| 19 | 2025-04-05-18 | University of Delaware | Circuits and Mechanisms Through Which Basal Forebrain Cholinergic Neurons Facilitate Fear Extinction  | \$2,171,281 | \$0       | \$0          |
| 20 | 2025-04-05-19 | University of Delaware | A Sustainable Approach to Promoting Physical Activity in Low-Income Youth   | \$2,493,165 | \$0       | \$0          |
| 21 | 2025-04-05-20 | University of Delaware | Biomolecular Interaction Technologies Fiscal Year 2025  | \$0         | \$0       | \$90,000     |
| 22 | 2025-04-05-21 | University of Delaware | Molecular Engineering of Boron-Rich Clusters to Rapidly Access 3-Dimensional Star Polymer Materials   | \$0         | \$0       | \$110,000    |
| 23 | 2025-04-05-22 | University of Delaware | Healthy Hearts for All: A Disability-Inclusive Approach to CVD Prevention in Low-Income Communities of Delaware   | \$0         | \$0       | \$260,383    |
| 24 | 2025-04-05-23 | University of Delaware | Public Allies Inc PADE 24/25 Partner Organization   | \$0         | \$0       | \$9,614      |
| 25 | 2025-04-05-24 | University of Delaware | Fabrication and Characterization of Conformal Frequency Selective Surfaces  | \$0         | \$0       | \$443,773    |
| 26 | 2025-04-05-25 | University of Delaware | Producing Effective Regulatory T-Cell Therapies with a Scalable Bio-Inspired Hydrogel Platform  | \$273,656   | \$0       | \$0          |
| 27 | 2025-04-05-26 | University of Delaware | Leveraging the NERRS System-Wide Monitoring Program to Back-Cast and Fore-Cast Biogeochemical Processes in Delmarva Coastal Wetlands  | \$0         | \$0       | \$106,531    |
| 28 | 2025-04-05-27 | University of Delaware | The Redox-Immunological Axis as a Mechanism of Vascular Dysfunction in Depression   | \$2,958,975 | \$0       | \$0          |

|    |               |                        |   |             |     |           |
|----|---------------|------------------------|---|-------------|-----|-----------|
| 29 | 2025-04-05-28 | University of Delaware | A Portable, Safe, Smart Digital Resistance Training System Providing Remote Monitoring, Form Feedback, and Data Tracking to Slow the Onset of Sarcopenia and Functional Decline | \$0         | \$0 | \$89,089  |
| 30 | 2025-04-05-29 | University of Delaware | Development of Data Products for mCDR and Ocean and Coastal Acidification Applications  | \$0         | \$0 | \$218,501 |
| 31 | 2025-04-05-30 | University of Delaware | Embedding Community Conservators in Public Libraries Conservation as a Public Service   | \$225,526   | \$0 | \$0       |
| 32 | 2025-04-05-31 | University of Delaware | CAREER: Topological Phenomena in 4d and 5d Complex Oxide Interfaces and Superlattices Grown by Hybrid Molecular Beam Epitaxy  | \$154,095   | \$0 | \$0       |
| 33 | 2025-04-05-32 | University of Delaware | Raman Microscopy for Spatial Temperature Measurements in Asphaltene Mixtures  | \$0         | \$0 | \$110,000 |
| 34 | 2025-04-05-33 | University of Delaware | Bottom-Up Assembly of Functional Salivary Gland Tissues   | \$2,749,635 | \$0 | \$0       |
| 35 | 2025-04-05-34 | University of Delaware | Policy-Engaged Education Research Scholars (PEERS) Predoctoral Training Program   | \$4,899,111 | \$0 | \$0       |
| 36 | 2025-04-05-35 | University of Delaware | Importance of Muscle-Subtendon Units in Achilles Tendinopathy   | \$2,845,526 | \$0 | \$0       |
| 37 | 2025-04-05-36 | University of Delaware | Characterization of Novel Intermediate Modulus Carbon Fibers  | \$0         | \$0 | \$21,315  |
| 38 | 2025-04-05-37 | University of Delaware | Impact of Mild Cognitive Impairment on the Interplay and Neural Structures of Decision and Motor Processes  | \$2,476,185 | \$0 | \$0       |
| 39 | 2025-04-05-38 | University of Delaware | Beam-Shaped on-Chip Optical Coherence Tomography for Non-Invasive Point-of-Care Deep Tissue Imaging   | \$1,262,093 | \$0 | \$0       |
| 40 | 2025-04-05-39 | University of Delaware | Developing a Generalized Framework for Hyporheic Flux Through Migrating Ripples from Streams to Coasts  | \$441,615   | \$0 | \$0       |
| 41 | 2025-04-05-40 | University of Delaware | Autonomous Coastal Monitor Ghost Pot Solution   | \$0         | \$0 | \$162,528 |
| 42 | 2025-04-05-41 | University of Delaware | Brain Wellness Information, Support, and Empowerment (Brain-WISE): Efficacy of a Group-Based Dementia Risk Reduction Program  | \$2,442,420 | \$0 | \$0       |
| 43 | 2025-04-05-42 | University of Delaware | Real-World Assessment of Post-Stroke Upper Limb Performance   | \$275,000   | \$0 | \$0       |
| 44 | 2025-04-05-43 | University of Delaware | Evaluating the Feasibility of Using Dynamic AFOs to Modulate Achilles Tendon Load and Pain for Individuals with Achilles Tendinopathy   | \$275,000   | \$0 | \$0       |
| 45 | 2025-04-05-44 | University of Delaware | Food Safety Studies Related to HPAI Virus in Food Products  | \$91,000    | \$0 | \$0       |
| 46 | 2025-04-05-45 | University of Delaware | Developing an Early-Warning System (EWS) for Coastal Flooding at Roi-Namur Island, U.S.A.K.A, Kwajalein Atoll, R.M.I.   | \$111,706   | \$0 | \$0       |
| 47 | 2025-04-05-46 | University of Delaware | Investigating the Role of $\beta$ B2-Crystallin in Autophagy  | \$0         | \$0 | \$2,479   |
| 48 | 2025-04-05-47 | University of Delaware | Functional Characterization of the Cataract-Linked RNA-Binding Proteins Celf1 and Elavl1 in Lens Development and Cataract   | \$0         | \$0 | \$2,345   |
| 49 | 2025-04-05-48 | University of Delaware | Engaging Community Based Participatory Action Research to Advance Tenant Literacy and Foster Community-University Partnerships  | \$0         | \$0 | \$75,000  |
| 50 | 2025-04-05-49 | University of Delaware | Reconfigurable Screen Printed Metasurfaces  | \$0         | \$0 | \$27,666  |
| 51 | 2025-04-05-50 | University of Delaware | Caverniclide: A Novel Marine Macrolide Non-Small Cell Lung Cancer Cell Growth Inhibitor   | \$275,000   | \$0 | \$0       |
| 52 | 2025-04-05-51 | University of Delaware | Reciprocal Influences of Discrimination and Loneliness on Cognitive Trajectories in Black Older Americans   | \$0         | \$0 | \$9,989   |

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|----|---------------|------------------------|--|-------------|-----|-----------|
| 53 | 2025-04-05-52 | University of Delaware | Role of Six1 in Inner Ear Development  | \$0         | \$0 | \$2,620   |
| 54 | 2025-04-05-53 | University of Delaware | The Ocular Lens Capsule Regulates Tissue Biomechanical Properties  | \$0         | \$0 | \$2,500   |
| 55 | 2025-04-05-54 | University of Delaware | Recruitment Hubs - VentureWell Ocean Enterprise Accelerator  | \$0         | \$0 | \$5,000   |
| 56 | 2025-04-05-55 | University of Delaware | Delaware Food Farmacy: Scaling CHW-Supported Food is Medicine for Maternal Health  | \$0         | \$0 | \$93,879  |
| 57 | 2025-04-05-56 | University of Delaware | HEALTH for All: Engaging Latino Families in Kent and Sussex Counties, Delaware   | \$0         | \$0 | \$40,000  |
| 58 | 2025-04-05-57 | University of Delaware | Detailed Cell Mechanical Analysis - Temperature Effect   | \$0         | \$0 | \$32,694  |
| 59 | 2025-04-05-58 | University of Delaware | Advancing Establishment of an Introduced Parasitoid for Biocontrol of Drosophila Suzukii in Mid-Atlantic States 6.0014.01                        | \$23,882    | \$0 | \$0       |
| 60 | 2025-04-05-59 | University of Delaware | CAREER: Photocatalytic Optical Fibers  | \$246,424   | \$0 | \$0       |
| 61 | 2025-04-05-60 | University of Delaware | Acquisition of Goods and Services  | \$8,182     | \$0 | \$0       |
| 62 | 2025-04-05-61 | University of Delaware | Investigating the Emerging Roles of Electronegative Clusters (ENC) as Molecular Chaperones, Phase Separation Regulators, and Protein Stabilizers | \$0         | \$0 | \$37,108  |
| 63 | 2025-04-05-62 | University of Delaware | Motz_PED: Using Chemical Tracers to Improve Marine Ecosystem Models and Fisheries Management in a Changing Ocean: A Mid-Atlantic Case Study      | \$133,400   | \$0 | \$0       |
| 64 | 2025-04-05-63 | University of Delaware | Girard College Alumni Association PADE 24/25 Partner Organization  | \$0         | \$0 | \$12,400  |
| 65 | 2025-04-05-64 | University of Delaware | West End Neighborhood House PADE 24/25 Partner Organization  | \$0         | \$0 | \$18,962  |
| 66 | 2025-04-05-65 | University of Delaware | West End Neighborhood House PADE 24/25 Partner Organization  | \$0         | \$0 | \$20,500  |
| 67 | 2025-04-05-66 | University of Delaware | Characterization of Differentiating Human Salivary Gland Stem/Progenitor Cells in Microgel Cell Culture  | \$0         | \$0 | \$974     |
| 68 | 2025-04-05-67 | University of Delaware | Photoautotrophic Bacteria as Sustainable Sources of Commodities  | \$0         | \$0 | \$994     |
| 69 | 2025-04-05-68 | University of Delaware | Towards Understanding Action-Detected Two-Dimensional Spectroscopy of Molecular Aggregates   | \$0         | \$0 | \$125,000 |
| 70 | 2025-04-05-69 | University of Delaware | Spatiotemporal Dynamic Materials to Assess Point-of-Origin Mechanobiology  | \$2,248,755 | \$0 | \$0       |
| 71 | 2025-04-05-70 | University of Delaware | Delaware Clinical and Translational Research ACCEL Program   | \$202,885   | \$0 | \$0       |
| 72 | 2025-04-05-71 | University of Delaware | NE EFNEP Excite Education  | \$0         | \$0 | \$85,355  |
| 73 | 2025-04-05-72 | University of Delaware | Raising Community Awareness of Diabetes Prevention in Delaware: Community Health Worker Upskilling   | \$0         | \$0 | \$45,234  |
| 74 | 2025-04-05-73 | University of Delaware | Machine Learning Models for Sea Ice Tracking, Characterization and Ice Charts  | \$266,705   | \$0 | \$0       |
| 75 | 2025-04-05-74 | University of Delaware | 3D Printed Magnetic Nanocomposites   | \$0         | \$0 | \$0       |
| 76 | 2025-04-05-75 | University of Delaware | EXCITE: Northeast Regional Immunization Education Staffing Position in Delaware  | \$0         | \$0 | \$250,789 |

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|----|---------------|---------------------------|--|-------------|-----|-----------|
| 77 | 2025-04-05-76 | University of Delaware    | Acoustic Energy Harvesting for Future Smart Homes  | \$0         | \$0 | \$97,816  |
| 78 | 2025-04-05-77 | University of Delaware    | Polar Ocean Mixing by Internal Tsunamis  | \$0         | \$0 | \$0       |
| 79 | 2025-04-05-78 | University of Delaware    | Creating a Pathway for Technology Based Entrepreneurship for Adults with Autism  | \$0         | \$0 | \$3,122   |
| 80 | 2025-04-05-79 | University of Delaware    | Design and Fabrication of Metalens for Triband Radome Treatment  | \$0         | \$0 | \$116,091 |
| 81 | 2025-04-05-80 | University of Delaware    | Center for Leadership in Environmental Awareness and Research: Integrated IoT Sensing and Edge Computing Coupled with a Bayesian Network Model for Exposure Assessment and Targeted Remediation of Vapor Intrusion | \$0         | \$0 | \$4,537   |
| 82 | 2025-04-05-81 | University of Delaware    | Analyzing 20 Years of Landbird Data for the Northern Colorado Plateau I&M Network of the National Park Service   | \$44,335    | \$0 | \$0       |
| 83 | 2025-04-05-82 | University of Delaware    | Individually Customized Dyslexia Screenings by an AI System for Greater Sensitivity and Scalability  | \$0         | \$0 | \$62,548  |
| 84 | 2025-04-05-83 | University of Delaware    | Novel Singlet Oxygen Generating System for Making Potable Water  | \$0         | \$0 | \$18,750  |
| 85 | 2025-04-05-84 | University of Delaware    | Mechano-Responsive Delivery of a Non-Opioid Combination Therapy for Control of Acute Postoperative Joint Pain  | \$0         | \$0 | \$57,141  |
| 86 | 2025-04-05-85 | University of Delaware    | IGE: Track 1: A New Learning-from-Faults Education Strategy to Mitigate Transition Shock of Computer Engineering Graduates   | \$322,046   | \$0 | \$0       |
| 87 | 2025-04-05-86 | University of Delaware    | Predictive Ultrafast Low-Rank Simulations Via Embedded Tensor Networks   | \$0         | \$0 | \$28,709  |
| 88 | 2025-04-05-87 | University of Delaware    | Mesoscale Eddies as a Freshwater Export Mechanism Along the Antarctic Peninsula  | \$0         | \$0 | \$7,440   |
| 89 | 2025-04-05-88 | University of Delaware    | Aleutian Island Long-Line  | \$108,311   | \$0 | \$0       |
| 90 | 2025-04-05-89 | University of Delaware    | IGE: Track 1: DecisionPoint: Building Career Skills for Coastal Resilience Through Branching Narratives  | \$342,687   | \$0 | \$0       |
| 91 | 2025-04-05-90 | University of Delaware    | Towards Resilient AI Data Center Infrastructure with Power and Thermal Safety  | \$0         | \$0 | \$222,054 |
| 92 | 2025-04-05-91 | University of Delaware    | Biomaterials and Bioengineering Faculty Fellowship   | \$46,875    | \$0 | \$0       |
| 93 | 2025-04-05-92 | University of Delaware    | BRIDGE and EFNEP Curriculum Specialist   | \$0         | \$0 | \$4,511   |
| 94 | 2025-04-05-93 | University of Delaware    | The RAPIDS Institute for Energy-Aware Artificial Intelligence, Computer Science, and Data (RAPIDS3)  | \$0         | \$0 | \$243,128 |
| 95 | 2025-04-05-94 | University of Delaware    | Effectiveness in Management of Fusarium Wilt Related to Watermelon Health with the Application of Squid Hydrolysate  | \$0         | \$0 | \$9,038   |
| 96 | 2025-04-12-01 | Delaware State University | Investigating the Regulatory Role of TDP43 on Neuroinflammation in the Development of Dementia   | \$1,274,740 | \$0 | \$0       |
| 97 | 2025-04-12-02 | Delaware State University | Future Act   | \$928,919   | \$0 | \$0       |

Created 4/7/2025

**Delaware State Clearinghouse Committee  
REVISED May Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**May 20, 2025 @ 10:00am**

| <b>Item</b>                 | <b>SAI#</b> | <b>Applicant</b>  | <b>Project Title</b>   | <b>Federal</b>  | <b>Funding State</b> | <b>Other</b> | <b>Federal</b> | <b>Positions State</b> | <b>Other</b> |
|-----------------------------|-------------|---|--|---|----------------------|--------------|----------------|------------------------|--------------|
| <b><u>New Business*</u></b> |             |   |  |   |                      |              |                |                        |              |
| 1                           | 5621        | Amendment   | Department of Technology and Information, Administration   | Broadband Equity Access and Deployment (BEAD) Planning Fund - IIJA    | \$102,753,272        | \$0          | \$0            | 4.00                   | 0.00         |
| 2                           | 6717        |   | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife    | Aquatic Resources Education Center Boardwalk and Trail Rehabilitation | \$577,449            | \$192,483    | \$0            | 0.00                   | 0.00         |
| 3                           | 6706        |   | State Fire Prevention, Fire School   | Structure Fire Prop Replacement                                       | \$1,800,000          | \$5,400      | \$0            | 0.00                   | 0.00         |
| <b><u>Continued</u></b>     |             |   |  |   |                      |              |                |                        |              |
| 4                           | 6715        | Department of State, Libraries  | Volunteers In Service to America AmeriCorps  |   | \$15,000             | \$0          | \$0            | 0.00                   | 0.00         |
| 2                           | 6637        | Department of Health and Social Services, Public Health, Community Health                                 | Improving the Health of Americans Through Prevention and Management of Diabetes and Heart Disease and Strike |   | \$949,314            | \$0          | \$0            | 2.63                   | 0.00         |
| 3                           | 6643        | Department of Health and Social Services, Public Health, Community Health                                 | Integrated HIV/AIDS - Prevention   |   | \$1,088,850          | \$0          | \$0            | 4.00                   | 0.00         |
| 4                           | 6644        | Department of Health and Social Services, Public Health, Community Health                                 | Integrated HIV/AIDS Core Surveillance  |   | \$349,195            | \$0          | \$0            | 3.15                   | 0.00         |
| 5                           | 6669        | Department of Health and Social Services, Public Health, Community Health                                 | Immunization and Vaccines for Children   |   | \$2,342,493          | \$0          | \$0            | 13.00                  | 0.00         |
| 6                           | 6670        | Department of Health and Social Services, Public Health, Community Health                                 | Integrating Colorectal Cancer Screening  |   | \$605,451            | \$0          | \$0            | 0.55                   | 0.00         |
| 7                           | 6679        | Department of Health and Social Services, Public Health, Community Health                                 | Ryan White Care Act Title II Supplement  |   | \$4,000,000          | \$0          | \$0            | 0.00                   | 0.00         |
| 8                           | 6703        | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | Coastal Fisheries Management Assistance 2025-2029  |   | \$1,229,816          | \$0          | \$0            | 1.52                   | 0.00         |
| 9                           | 6704        | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | Wildlife Investigations-White-Tailed Deer  |   | \$1,245,549          | \$415,183    | \$0            | 0.43                   | 0.87         |
| 10                          | 6685        | Department of Safety and Homeland Security, State Police, Executive                                       | USAG Asset Forfeiture- Justice   |   | \$1,750,000          | \$0          | \$0            | 0.00                   | 0.00         |
| 11                          | 6686        | Department of Safety and Homeland Security, State Police, Executive                                       | USAG Asset Forfeiture - Treasury   |   | \$1,000,000          | \$0          | \$0            | 0.00                   | 0.00         |
| 12                          | 6680        | Department of Agriculture, Agricultural Marketing Service   | Senior Farmer's Market Nutrition Program   |   | \$60,000             | \$0          | \$0            | 0.00                   | 0.00         |
| 13                          | 6701        | Department of Agriculture, Animal Health  | Umbrella National Surveillance   |   | \$225,209            | \$0          | \$0            | 0.00                   | 0.00         |
| 14                          | 6719        | Department of Agriculture, Animal Health  | Animal Disease Traceability  |   | \$4,000              | \$0          | \$0            | 0.00                   | 0.00         |
| 15                          | 6684        | Department of Education, Student Support  | Title I, Part A - Improving the Academic Achievement   |   | \$58,827,119         | \$0          | \$0            | 2.25                   | 0.00         |
| 16                          | 6687        | Department of Education, Student Support  | Title II, Part A Improving Teacher Quality   |   | \$10,835,611         | \$0          | \$0            | 2.05                   | 0.00         |
| 17                          | 6688        | Department of Education, Academic Support   | Title III, English Acquisition   |   | \$2,028,751          | \$0          | \$0            | 0.80                   | 0.00         |
| 18                          | 6691        | Department of Education, Student Support  | Title IV, Part A Student Support and Enrichment  |   | \$6,659,535          | \$0          | \$0            | 0.30                   | 0.00         |

|    |      |  |   |              |             |     |       |      |      |
|----|------|--|---|--------------|-------------|-----|-------|------|------|
| 19 | 6692 | Department of Education, Student Support   | Adult Education and Family Literacy Act State Grant | \$1,950,301  | \$1,584,738 | \$0 | 0.10  | 0.00 | 0.00 |
| 20 | 6694 | Department of Education, Academic Support  | Individuals with Disabilities Education Act, Part B | \$44,304,842 | \$0         | \$0 | 10.75 | 0.00 | 0.00 |
| 21 | 6698 | Department of Education, Academic Support  | Individuals with Disabilities Education 619, Part B | \$1,387,906  | \$0         | \$0 | 0.40  | 0.00 | 0.00 |
| 22 | 6700 | Department of Education, Workforce Support | Carl D. Perkins Career and Technical Education      | \$6,330,763  | \$0         | \$0 | 3.00  | 0.00 | 0.00 |
| 23 | 6707 | Department of Education, Student Support   | Education for Homeless Children and Youth           | \$408,517    | \$0         | \$0 | 0.15  | 0.00 | 0.00 |
| 24 | 6708 | Department of Education, Student Support   | Migrant Education Program Consortium Incentive      | \$122,251    | \$0         | \$0 | 0.00  | 0.00 | 0.00 |
| 25 | 6709 | Department of Education, Student Support   | Rural and Low Income Schools                        | \$185,479    | \$0         | \$0 | 0.00  | 0.00 | 0.00 |
| 26 | 6710 | Department of Education, Academic Support  | State Assessment and Related Activities             | \$3,602,587  | \$0         | \$0 | 2.10  | 0.00 | 0.00 |
| 27 | 6711 | Department of Education, Student Support   | Title I, Part C Migrant Education                   | \$595,508    | \$0         | \$0 | 1.30  | 0.00 | 0.00 |
| 28 | 6712 | Department of Education, Student Support   | Prevention and Intervention Programs for Children   | \$372,020    | \$0         | \$0 | 0.00  | 0.00 | 0.00 |
| 29 | 6713 | Department of Education, Student Support   | Title IV, Part B - 21st Century Community Learning  | \$6,515,398  | \$0         | \$0 | 0.80  | 0.00 | 0.00 |

#### Higher Education

|    |               |                        |  |             |     |           |
|----|---------------|------------------------|--|-------------|-----|-----------|
| 1  | 2025-05-01-01 | University of Delaware | Evaluation of FHB Management Strategies in DE Following the MGMT Protocol  | \$66,093    | \$0 | \$0       |
| 2  | 2025-05-01-02 | University of Delaware | Understanding the Pathogenesis of TSC-Associate Epilepsy and TANDs.  | \$0         | \$0 | \$36,576  |
| 3  | 2025-05-01-03 | University of Delaware | Decoupled Energy Cascades of MHD and Kinetic Scale Turbulence  | \$422,107   | \$0 | \$0       |
| 4  | 2025-05-01-04 | University of Delaware | Latinx and Hispanic Historic Resources, City of Wilmington   | \$0         | \$0 | \$5,519   |
| 5  | 2025-05-01-05 | University of Delaware | RFA-019: Archaeology of Alien Worlds: Probing Exoplanet Formation with the James Webb Space Telescope  | \$78,078    | \$0 | \$0       |
| 6  | 2025-05-01-06 | University of Delaware | Cellular Heterogeneity and Niche Regulation in TMJ   | \$1,665,589 | \$0 | \$0       |
| 7  | 2025-05-01-07 | University of Delaware | Scalable Bio-Inspired Hydrogel Platform for Producing Effective Regulatory T-Cell Therapies  | \$273,656   | \$0 | \$0       |
| 8  | 2025-05-01-08 | University of Delaware | Policy-Engaged Education Research Scholars (PEERS) Predoctoral Training Program  | \$4,899,111 | \$0 | \$0       |
| 9  | 2025-05-01-09 | University of Delaware | Its Electric Urban Resilience With Curbside Bi-Directional EV Charging   | \$0         | \$0 | \$299,953 |
| 10 | 2025-05-01-10 | University of Delaware | ELA Professional Learning and Coaching   | \$0         | \$0 | \$88,430  |
| 11 | 2025-05-01-11 | University of Delaware | EPSCoR Research Fellows NSF: Experimental Characterization and Theoretical Modeling of Vibrational Hybrid Light-Matter States with Symmetry Breaking | \$233,938   | \$0 | \$0       |
| 12 | 2025-05-01-12 | University of Delaware | On-Site Field Testing and Validation of HydrokinetX Ocean Observation Platform Using PKelp as a Power Source.  | \$0         | \$0 | \$27,995  |

|    |               |                        |  |             |     |           |
|----|---------------|------------------------|--|-------------|-----|-----------|
| 13 | 2025-05-01-13 | University of Delaware | Developing and Applying New Lipidomic Approaches   | \$0         | \$0 | \$218,999 |
| 14 | 2025-05-01-14 | University of Delaware | Regulatory Networks in Lens Development  | \$1,250,000 | \$0 | \$0       |
| 15 | 2025-05-01-15 | University of Delaware | EPSCoR Research Fellows: NSF: Understanding the Interfacial Separation and Adhesion in Roll-To-Roll Manufacturing for Solid State Batteries                      | \$238,804   | \$0 | \$0       |
| 16 | 2025-05-01-16 | University of Delaware | Doctoral Dissertation Research: The Political Ecology of Artisanal and Small-Scale Mining in Eastern Democratic Republic of the Congo: Roads, Flesh and Minerals | \$20,000    | \$0 | \$0       |
| 17 | 2025-05-01-17 | University of Delaware | MEPI-Student Leaders Program   | \$0         | \$0 | \$192,464 |
| 18 | 2025-05-01-18 | University of Delaware | Frances Harper: An Activist-Artivist Life  | \$0         | \$0 | \$13,000  |
| 19 | 2025-05-01-19 | University of Delaware | Frances Harper: An Activist-Artivist Life  | \$0         | \$0 | \$10,652  |
| 20 | 2025-05-01-20 | University of Delaware | Collaborative Research: HGI: Human-Guardian Interactions with Human-in-the-Loop Transitions for Safety, Performance, and Transparency                            | \$292,327   | \$0 | \$0       |
| 21 | 2025-05-01-21 | University of Delaware | The RAPIDS3 Institute for Artificial Intelligence, Computer Science, and Data  | \$0         | \$0 | \$242,748 |
| 22 | 2025-05-01-22 | University of Delaware | NOAA NWS National Mesonet Program 2021 - Amend 11  | \$0         | \$0 | \$12,715  |
| 23 | 2025-05-01-23 | University of Delaware | Developmental Effects of Birth by Cesarean Section on Reward-Related Behavior and the Brain  | \$106,556   | \$0 | \$0       |
| 24 | 2025-05-01-24 | University of Delaware | EPSCoR Research Fellows: NSF: Dissipative Structure in Topological Phases Driven by Light-induced Coherent Phonons   | \$233,779   | \$0 | \$0       |
| 25 | 2025-05-01-25 | University of Delaware | AI-Assisted Structured Literature Reviews for Education Stakeholders   | \$632,391   | \$0 | \$0       |
| 26 | 2025-05-01-26 | University of Delaware | 2024BBSRC-NSF/BIO: Designing and Engineering Synthetic Microbial Communities for the Degradation of Low-Density Polyethylene/Polystyrene Mixtures.               | \$0         | \$0 | \$654,457 |
| 27 | 2025-05-01-27 | University of Delaware | Thermal Control of Charge Transport in Organic Mixed Ionic-Electronic Conductors   | \$558,123   | \$0 | \$0       |
| 28 | 2025-05-01-28 | University of Delaware | A Tool for Siting Productive, Sustainable, and Healthy Aquaculture   | \$0         | \$0 | \$405,000 |
| 29 | 2025-05-01-29 | University of Delaware | Hydrogel-Based Therapeutic Delivery of Engineered Extracellular Vehicles for the Treatment of Vocal Fold Scarring  | \$3,173,897 | \$0 | \$0       |
| 30 | 2025-05-01-30 | University of Delaware | VFT Vocal Fold Therapy   | \$0         | \$0 | \$203,703 |
| 31 | 2025-05-01-31 | University of Delaware | SCC-IRG: Training Geriatric Caregiving Communities Using Multimodal Machine Learning and Embodied Intelligent Agents   | \$1,232,600 | \$0 | \$0       |
| 32 | 2025-05-01-32 | University of Delaware | Characterizing the Effects of WEE-1.3 Depletion on Spermatogenesis in C. Elegans   | \$146,982   | \$0 | \$0       |
| 33 | 2025-05-01-33 | University of Delaware | Search and Documentation in the Marshall Islands 25-1MH  | \$0         | \$0 | \$276,969 |
| 34 | 2025-05-01-34 | University of Delaware | Improving Methane Leak Detection and Methane Flux Estimates with Drones, Eddy Covariance Towers, and Atmospheric Modeling  | \$0         | \$0 | \$283,960 |
| 35 | 2025-05-01-35 | University of Delaware | Exploration of Sex Hormones and Tendon Health in Achilles Tendinopathy   | \$108,402   | \$0 | \$0       |

|    |               |                        |  |             |     |           |
|----|---------------|------------------------|--|-------------|-----|-----------|
| 36 | 2025-05-01-36 | University of Delaware | Generative AI Creates New Ways to Imaging and Degrading Chitin: An Inflammatory Polymer That Is Everywhere, Even In You!               | \$0         | \$0 | \$248,412 |
| 37 | 2025-05-01-37 | University of Delaware | Emma Korein DE Sea Grant Knauss Fellowship 2026  | \$95,600    | \$0 | \$0       |
| 38 | 2025-05-01-38 | University of Delaware | Opehlia Christoph DE Sea Grant Knauss Fellowship 2026  | \$95,600    | \$0 | \$0       |
| 39 | 2025-05-01-39 | University of Delaware | Andrea Leontiou DE Sea Grant Knauss Fellowship 2026  | \$95,600    | \$0 | \$0       |
| 40 | 2025-05-01-40 | University of Delaware | Center for Home-Based Child Care   | \$0         | \$0 | \$484,129 |
| 41 | 2025-05-01-41 | University of Delaware | Modifying Fragility Fracture Healing Using A Gradient-Based Mechanotransduction Fixation Approach                                      | \$229,962   | \$0 | \$0       |
| 42 | 2025-05-01-42 | University of Delaware | How US Fishery Councils Apply Accountability Measures  | \$0         | \$0 | \$29,750  |
| 43 | 2025-05-01-43 | University of Delaware | Neuromorphic Computing Circuit Primitive Testbeds  | \$1,595,795 | \$0 | \$0       |
| 44 | 2025-05-01-44 | University of Delaware | EPSCoR Research Fellows: NSF: Ultrafast Electron Microscopy of Strain-Engineered Photoinduced Phase Transitions in 2D Indium Selenide  | \$235,550   | \$0 | \$0       |
| 45 | 2025-05-01-45 | University of Delaware | Delaware INBRE   | \$991,637   | \$0 | \$0       |
| 46 | 2025-05-01-46 | University of Delaware | Exploring the Relationship Between Dosage, Working Memory, and Home Environment Factors After a Math and Reading Intervention          | \$93,338    | \$0 | \$0       |
| 47 | 2025-05-01-47 | University of Delaware | Politics in the Mind's Eye   | \$0         | \$0 | \$7,000   |
| 48 | 2025-05-01-48 | University of Delaware | Interaction of Maternal Immune Activation and Risk Genes in ASD-Related Learning Disabilities.   | \$275,000   | \$0 | \$0       |
| 49 | 2025-05-01-49 | University of Delaware | 2025 Mind, Machine, and Motor Nexus (M3X) PI Meeting   | \$62,499    | \$0 | \$0       |
| 50 | 2025-05-01-50 | University of Delaware | Sea Grant Fundamentals: Providing Mid-Atlantic Sea Grant Professionals with Foundational Learning and Networking                       | \$10,168    | \$0 | \$0       |
| 51 | 2025-05-01-51 | University of Delaware | Smaller-State Grand Strategy: Azerbaijan, Estonia, and Kazakhstan  | \$0         | \$0 | \$2,500   |
| 52 | 2025-05-01-52 | University of Delaware | Politics in the Mind's Eye: The Nature of the Political Game & The Social Self   | \$0         | \$0 | \$2,500   |
| 53 | 2025-05-01-53 | University of Delaware | Operation SEAGRASS: Sonar Exploration and Aquatic Grass Research for Advancing Manatee Sustainability                                  | \$0         | \$0 | \$15,562  |
| 54 | 2025-05-01-54 | University of Delaware | Engineering Phagocyte Extracellular Vesicle Output Through Nanoparticle Design   | \$274,999   | \$0 | \$0       |
| 55 | 2025-05-01-55 | University of Delaware | Nozzle Heating and Cooling Patterns for Improved Hypersonic Quiet Wind Tunnel Design   | \$122,048   | \$0 | \$0       |
| 56 | 2025-05-01-56 | University of Delaware | Adapting Practice-Based Coaching for School-Based SLPs: A Mixed Methods Investigation Using An Implementation Science Framework.       | \$0         | \$0 | \$49,976  |
| 57 | 2025-05-01-57 | University of Delaware | Sustainable Oyster Farming   | \$0         | \$0 | \$116,586 |
| 58 | 2025-05-01-58 | University of Delaware | SAI: A Generally Applicable Approach To Understanding and Managing the Societal Impacts of Infrastructure System Service Interruptions | \$488,945   | \$0 | \$0       |

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|----|-------------------------|---------------------------|---|-------------|-----|-----------|
| 59 | 2025-05-01-59           | University of Delaware    | Artist-In-Residence Project   | \$0         | \$0 | \$15,000  |
| 60 | 2025-05-01-60           | University of Delaware    | Developing New Tools For Dark Relics Blind Spots  | \$945,831   | \$0 | \$0       |
| 61 | 2025-05-01-61           | University of Delaware    | Investigating Microschool Approaches to Supporting Students with Specific Learning Disabilities   | \$0         | \$0 | \$50,000  |
| 62 | 2025-05-01-62           | University of Delaware    | Implementing the Landbird Monitoring for the National Capital Region Parks  | \$232,810   | \$0 | \$0       |
| 63 | 2025-05-01-63           | University of Delaware    | Delaware Center for Musculoskeletal Research, Administrative Supplement for Equipment   | \$265,800   | \$0 | \$0       |
| 64 | 2025-05-01-64           | University of Delaware    | Evaluation of Efficacy of Xylanase for Prebiotic Effect In Early Life Of Broilers   | \$0         | \$0 | \$47,256  |
| 65 | 2025-05-01-65           | University of Delaware    | Early Development of Knee Osteoarthritis following ACL Reconstruction   | \$0         | \$0 | \$1,000   |
| 66 | 2025-05-01-66           | University of Delaware    | Biocontained Bacterial Spores For Controlled and Durable Plastics Upcycling   | \$569,194   | \$0 | \$0       |
| 67 | 2025-05-01-67           | University of Delaware    | Marketing Options for Producers and Agribusiness in the Southeast: Social-Affinity Labels and Distant Markets   | \$0         | \$0 | \$37,794  |
| 68 | 2025-05-01-68           | University of Delaware    | DURIP: Acquisition of an Automated Viscometer to Accelerate Materials Discovery of Dynamic, Sustainable Material Formulations   | \$201,406   | \$0 | \$0       |
| 69 | 2025-05-01-69           | University of Delaware    | Real Participants Versus Computer Participants - Analysis of Fraudulent Versus Real Online Study Participants   | \$0         | \$0 | \$1,000   |
| 70 | 2025-05-01-70           | University of Delaware    | DURIP: Experimental Characterization of Novel Multifunctional Composites  | \$475,000   | \$0 | \$0       |
| 71 | 2025-05-01-71           | University of Delaware    | Advanced Deployable Reflector Architecture for W-Band Frequencies   | \$0         | \$0 | \$216,183 |
| 72 | 2025-05-01-72           | University of Delaware    | Phages as Lenses to Study Virus Assembly and Virus: Host Interactions   | \$0         | \$0 | \$778,936 |
| 73 | 2025-05-01-73           | University of Delaware    | DURIP: Multi-Scale Acoustical Oceanographic Measurement: From Internal Waves to Arctic Eddies   | \$1,657,697 | \$0 | \$0       |
| 77 | 2020-07-18-18 Amendment | Delaware State University | DOD CoE-AQS: Center of Excellence in Advanced Quantum Sensing   | \$1,150,000 | \$0 | \$0       |
| 74 | 2025-04-30-01           | Delaware State University | Acquisition of a Sputter Deposition System for Ongoing Research, Research Training and Teaching on New Material Development and Device Fabrication at Delaware State University | \$541,125   | \$0 | \$0       |
| 75 | 2025-04-30-02           | Delaware State University | Mid-Infrared Frequency Combs For Advanced Sensing, GPS-Free Navigation Of Unmanned Aerial System  | \$355,637   | \$0 | \$0       |
| 76 | 2025-04-30-03           | Delaware State University | Acquisition of a Carbon Isotopic Analyzer to Conduct Wetland Carbon Sequestration Research and Education for Workforce Development in Delaware                                  | \$251,878   | \$0 | \$0       |

REVISED 5/14/25

**Delaware State Clearinghouse Committee**  
**Revised June Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**June 17, 2025 @ 10:00am**

| Item                 | SA#           | Applicant  | Project Title  | Federal         | State           | Other     | Federal | Positions State | Other |
|----------------------|---------------|--|--|-----------------|-----------------|-----------|---------|-----------------|-------|
| <b>New Business*</b> |               |  |  |                 |                 |           |         |                 |       |
| 1                    | 6746          | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife                              | Northern Bobwhite Quail Habitat Use, Survival, & Movement Ecology  | \$411,326       | \$24,293        | \$112,815 | 0.00    | 0.04            | 0.00  |
| 2                    | 6725          | Capital School District  | Students, Teachers, and Officers Preventing School Violence Program (STOP)   | \$993,731       | \$0             | \$0       | 0.00    | 0.00            | 0.00  |
| 3                    | 6755          | Red Clay Consolidated School District  | Students, Teachers, and Officers Preventing School Violence Program (STOP)   | \$998,963       | \$0             | \$0       | 1.00    | 0.00            | 0.00  |
| <b>Continued</b>     |               |  |  |                 |                 |           |         |                 |       |
| 1                    | 6737          | Executive, Criminal Justice, Criminal Justice Council  | National Forensic Sciences Improvement Act - Coverdell   | \$294,696       | \$0             | \$0       | 0.19    | 0.00            | 0.00  |
| 2                    | 2025-04-15-01 | Executive, Delaware State Housing Authority  | Family Unification Program   | \$931,560       | \$0             | \$0       | 0.00    | 0.00            | 0.00  |
| 3                    | 2025-04-15-02 | Executive, Delaware State Housing Authority  | Housing Choice Vouchers (Moving To Work)   | \$11,379,130    | \$0             | \$0       | 16.05   | 0.00            | 0.00  |
| 4                    | 2025-04-16-01 | Executive, Delaware State Housing Authority  | Community Development Block Grant  | \$2,752,623     | \$0             | \$0       | 1.04    | 0.00            | 0.00  |
| 5                    | 2025-04-16-02 | Executive, Delaware State Housing Authority  | Emergency Solutions Grants Program   | \$263,071       | \$0             | \$0       | 0.00    | 0.00            | 0.00  |
| 6                    | 2025-04-16-03 | Executive, Delaware State Housing Authority  | HOME Investment Partnership  | \$3,000,000     | \$0             | \$0       | 0.54    | 0.00            | 0.00  |
| 7                    | 2025-04-16-04 | Executive, Delaware State Housing Authority  | Housing Opportunities for Persons with Aids  | \$412,182       | \$0             | \$0       | 0.00    | 0.00            | 0.00  |
| 8                    | 2025-04-16-05 | Executive, Delaware State Housing Authority  | Housing Trust Fund   | \$3,000,095     | \$0             | \$0       | 0.33    | 0.00            | 0.00  |
| 9                    | 2025-04-16-06 | Executive, Delaware State Housing Authority  | Public Housing Capital Program - Moving to Work  | \$1,047,225     | \$0             | \$0       | 1.60    | 0.00            | 0.00  |
| 10                   | 2025-04-16-07 | Executive, Delaware State Housing Authority  | Mainstream Voucher Program   | \$697,177       | \$0             | \$0       | 0.30    | 0.00            | 0.00  |
| 11                   | 2025-04-17-01 | Executive, Delaware State Housing Authority  | Performance Based Contract Administrator Program   | \$48,251,567    | \$0             | \$0       | 7.00    | 0.00            | 0.00  |
| 12                   | 2025-04-17-02 | Executive, Delaware State Housing Authority  | Public Housing Operations Program - Moving To Work   | \$2,863,270     | \$0             | \$864,880 | 19.10   | 0.00            | 0.00  |
| 13                   | 6740          | Department of State, Libraries   | Library Services and Technology Act  | \$694,721       | \$357,887       | \$0       | 7.00    | 4.05            | 0.00  |
| 14                   | 6677          | Department of Health and Social Services, Public Health, Community Health  | Development, Maintenance, and Enhancement of Early Hearing Detection and Intervention System Surveillance Programs | \$170,000       | \$0             | \$0       | 0.00    | 0.00            | 0.00  |
| 15                   | 6681          | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/ Community Services | Senior Community Service Employment Program  | \$1,700,373     | \$187,351       | \$0       | 0.75    | 0.25            | 0.00  |
| 16                   | 6683          | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities                                     | LifeSpan Respite Care Program  | \$235,000       | \$78,333        | \$0       | 0.00    | 0.00            | 0.00  |
| 17                   | 6695          | Department of Health and Social Services, Public Health, Community Health  | National Cancer Prevention and Control Program   | \$2,037,889     | \$796,115       | \$0       | 11.25   | 2.00            | 0.00  |
| 18                   | 6702          | Department of Health and Social Services, Medicaid and Medical Assistance  | Medicaid Services - Title XIX MAP26  | \$2,143,730,564 | \$1,208,832,300 | \$0       | 0.00    | 0.00            | 0.00  |
| 19                   | 6720          | Department of Health and Social Services, State Service Centers  | Foster Grandparent Program Grant   | \$595,860       | \$142,912       | \$0       | 0.00    | 0.00            | 0.00  |

|    |      |  |  |              |           |             |       |      |      |
|----|------|--|--|--------------|-----------|-------------|-------|------|------|
| 20 | 6733 | Department of Health and Social Services, Substance Abuse and Mental Health  | Rural Communities Opioid Response Program                  | \$500,000    | \$0       | \$0         | 0.00  | 0.00 | 0.00 |
| 21 | 6743 | Department of Health and Social Services, Substance Abuse and Mental Health  | Overdose Data to Action                                    | \$3,327,587  | \$0       | \$0         | 7.10  | 0.00 | 0.00 |
| 22 | 6745 | Department of Health and Social Services, Public Health, Emergency Medical Services  | Emergency Medical Services for Children Partnership        | \$205,000    | \$24,003  | \$0         | 0.00  | 0.20 | 0.00 |
| 23 | 6748 | Department of Health and Social Services, Public Health, Community Health  | Public Health Emergency Preparedness Cooperative Agreement | \$5,426,073  | \$579,618 | \$0         | 32.00 | 0.00 | 0.00 |
| 24 | 6751 | Department of Health and Social Services, Public Health, Community Health  | Epidemiology and Laboratory Capacity for Infectious        | \$13,989,414 | \$0       | \$0         | 19.23 | 0.00 | 0.00 |
| 25 | 6759 | Department of Health and Social Services, Public Health, Community Health  | Universal Newborn Hearing Screening                        | \$235,000    | \$0       | \$0         | 1.50  | 0.00 | 0.00 |
| 26 | 6726 | Department of Natural Resources and Environmental Control, Office of Environmental Protection; Climate, Coastal and Energy | State Energy Program                                       | \$466,720    | \$0       | \$0         | 2.00  | 0.00 | 0.00 |
| 27 | 6750 | Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency                  | State and Local Cybersecurity Grant Program - IIJA         | \$3,387,232  | \$290,334 | \$1,161,337 | 0.50  | 0.33 | 0.00 |
| 28 | 6732 | Department of Agriculture, Administration, Plant Industries  | Spotted Lanternfly Outreach                                | \$78,889     | \$0       | \$0         | 0.20  | 0.00 | 0.00 |
| 29 | 6742 | Department of Agriculture, Pesticides  | Performance Partnership Grant                              | \$422,666    | \$83,759  | \$0         | 2.00  | 0.70 | 0.00 |
| 30 | 6744 | Department of Agriculture, Plant Industries  | Spotted Lanternfly Survey and Control                      | \$676,568    | \$0       | \$0         | 0.80  | 0.00 | 0.00 |
| 31 | 6724 | Department of Education, Early Childhood Supports  | Early Head Start   | \$3,127,572  | \$625,514 | \$0         | 2.90  | 0.00 | 0.00 |

#### Higher Education

|    |               |                                      |  |              |           |              |
|----|---------------|--------------------------------------|--|--------------|-----------|--------------|
| 1  | 6727          | Delaware Technical Community College | Federal Work Study DTCC  | \$628,498    | \$242,461 | \$0          |
| 2  | 6729          | Delaware Technical Community College | Pell DTCC CW   | \$23,572,315 | \$0       | \$0          |
| 3  | 6730          | Delaware Technical Community College | FSEOG DTCC   | \$568,466    | \$181,014 | \$0          |
| 4  | 6731          | Delaware Technical Community College | Federal Direct Student Loan Program  | \$16,022,761 | \$0       | \$0          |
| 5  | 2025-06-02-01 | University of Delaware               | Cooperative Program Between New Castle County and the University of Delaware Water Resources Agency (Water Resources Center)   | \$0          | \$0       | \$62,373     |
| 6  | 2025-06-02-02 | University of Delaware               | Research Infrastructure: Mid-Scale RI-1 (M1:DA): Developing the Next Generation Facility for High Energy Cosmic Neutrinos: IceCube-Gen2                                      | \$0          | \$0       | \$305,178    |
| 7  | 2025-06-02-03 | University of Delaware               | Randomized Trial of In-Person vs Internet-Delivered Parent-Child Interaction Therapy for Disruptive Behavior in Children   | \$0          | \$0       | \$11,480,594 |
| 8  | 2025-06-02-04 | University of Delaware               | Myths, Misconceptions, and Omissions in the American Narrative: Using Library of Congress Resources to Compose a more Inclusive American Story                               | \$18,021     | \$0       | \$0          |
| 9  | 2025-06-02-05 | University of Delaware               | Sources of Processing Asymmetry in Alternative Word Order Sentences  | \$5,772      | \$0       | \$0          |
| 10 | 2025-06-02-06 | University of Delaware               | Using Daily Absenteeism Data to Improve Educational Practice: Identifying Absenteeism Patterns, their Importance, and what Schools and District can do to Limit Accumulation | \$0          | \$0       | \$109,864    |
| 11 | 2025-06-02-07 | University of Delaware               | Regulation of Post-Traumatic Osteoarthritis by Multiscale Transmission of Aberrant Load onto the Chondrocyte Cytoskeleton  | \$2,221,211  | \$0       | \$0          |
| 12 | 2025-06-02-08 | University of Delaware               | Novel Interaction at the Protein Level between Six1 and Notch Signaling Mediated by Hey Factors  | \$1,250,000  | \$0       | \$0          |

|    |               |                        |  |             |     |             |
|----|---------------|------------------------|--|-------------|-----|-------------|
| 13 | 2025-06-02-09 | University of Delaware | FeNMo: Bio-realistic Ferroelectric Neuron Motifs for Analog Neuromorphic Computing   | \$269,458   | \$0 | \$0         |
| 14 | 2025-06-02-10 | University of Delaware | RII Track-2 FEC: Advancing Climate Neutrality in Farming Communities through Upcycling Natural Fiber   | \$0         | \$0 | \$288,750   |
| 15 | 2025-06-02-11 | University of Delaware | Saving the Past with the Future: Mitigating Adverse Effects of AI Data Centers on Traditional Viewscapes and Soundscapes   | \$39,027    | \$0 | \$0         |
| 16 | 2025-06-02-12 | University of Delaware | New Castle County Vocational-Technical SD 2024 Seminars for Delaware Teachers Institute FY25   | \$0         | \$0 | \$1,250     |
| 17 | 2025-06-02-13 | University of Delaware | Collaborative Research: CPS: Medium: Calfhealth: An Explainable AI Framework for the Early Detection of Pneumonia in Dairy Calves through Precision Technologies | \$129,873   | \$0 | \$0         |
| 18 | 2025-06-02-14 | University of Delaware | Induction of Oral Immune Tolerance for AAV Gene Therapy by using Oral Delivery of the immunodominant Epitopes for GALNS Enzyme                                   | \$0         | \$0 | \$73,876    |
| 19 | 2025-06-02-15 | University of Delaware | CRISPR/Cas9 Mediated In-Vivo and Ex-Vivo Gene Editing Therapy for Morquio A Syndrome   | \$0         | \$0 | \$129,433   |
| 20 | 2025-06-02-16 | University of Delaware | Development of In Vivo/Ex Vivo Lentiviral Gene Therapy for Mucopolysaccharidosis IVA   | \$0         | \$0 | \$32,345    |
| 21 | 2025-06-02-17 | University of Delaware | Investigating the Mechanism of Subcellular Transport of miRNAs and their Targets to the Mitotic Spindle  | \$0         | \$0 | \$1,000     |
| 22 | 2025-06-02-18 | University of Delaware | ADAM-Ephrin Interactions in Cell Signaling and Adhesion  | \$1,684,356 | \$0 | \$0         |
| 23 | 2025-06-02-19 | University of Delaware | COVID-19, Vaccinations and School/Community Resources: Children's Longitudinal Health and Education Outcomes using linked Administrative Data Year 5             | \$0         | \$0 | \$85,294    |
| 24 | 2025-06-02-20 | University of Delaware | Management, Operations, and Maintenance of the IceCube Neutrino Observatory 2026-2031  | \$0         | \$0 | \$1,263,241 |
| 25 | 2025-06-02-21 | University of Delaware | Models of Adolescent Brain Development to Predict Socioemotional Function  | \$0         | \$0 | \$0         |
| 26 | 2025-06-02-22 | University of Delaware | NSF Engineering Research Center for Environmentally Applied Refrigerant Technology Hub (EARTH)   | \$0         | \$0 | \$343,730   |
| 27 | 2025-06-02-23 | University of Delaware | Bookworms K-5 Reading and Writing (BWK5)   | \$0         | \$0 | \$67,903    |
| 28 | 2025-06-02-24 | University of Delaware | Two Validated First-Level Screening Assays for Infectious Hepatitis A Virus by Detection of an Intact Capsid on Frozen Berries                                   | \$0         | \$0 | \$24,828    |
| 29 | 2025-06-02-25 | University of Delaware | Time-Efficient Inspiratory Muscle Strength tTraining for Lowering Systolic Blood Pressure and Improving Endothelial Function in Women with Depression            | \$0         | \$0 | \$105,080   |
| 30 | 2025-06-02-26 | University of Delaware | Planning for Improvement: An Equitable and Democratic Approach to School-Level Change  | \$0         | \$0 | \$132,138   |
| 31 | 2025-06-02-27 | University of Delaware | Modifying Fragility Fracture Healing using a Gradient-Based Mechanotransduction Fixation Approach  | \$17,983    | \$0 | \$0         |
| 32 | 2025-06-02-28 | University of Delaware | Centering Blackness in Teacher Educate Institute   | \$0         | \$0 | \$25,000    |
| 33 | 2025-06-02-29 | University of Delaware | Reassessing Wintering Mid-Atlantic Black Duck Occupancy Across Habitats to Improve the Decision Support Tool   | \$201,424   | \$0 | \$0         |
| 34 | 2025-06-02-30 | University of Delaware | Predicting Historic Wintering Ranges and Adjusted Fall Age Ratios of American Black Ducks as a Function of Climate and Environmental Covariates                  | \$70,817    | \$0 | \$0         |
| 35 | 2025-06-02-31 | University of Delaware | Role of Ilyanassa Obsoleta in Regulating Carbon Fluxes in Saltmarsh Mudflats   | \$0         | \$0 | \$674       |
| 36 | 2025-06-02-32 | University of Delaware | UCF NSF ART Evaluation CRESP   | \$0         | \$0 | \$203,340   |

|    |               |                        |  |             |     |             |
|----|---------------|------------------------|--|-------------|-----|-------------|
| 37 | 2025-06-02-33 | University of Delaware | Localized Small Molecule Delivery to Improve Tendon-to-Bone Integration following Anterior Cruciate Ligament Reconstruction  | \$0         | \$0 | \$8,173     |
| 38 | 2025-06-02-34 | University of Delaware | Mechanisms of Extracellular Vesicle Biogenesis and Uptake  | \$1,250,000 | \$0 | \$0         |
| 39 | 2025-06-02-35 | University of Delaware | DementiaBank: An Open Access Language Database to Understand the Progression of Dementia   | \$0         | \$0 | \$31,250    |
| 40 | 2025-06-02-36 | University of Delaware | Dynamic Modeling of the Shocking Dust Physics in WR 140  | \$0         | \$0 | \$68,750    |
| 41 | 2025-06-02-37 | University of Delaware | Coming of Age in a Declining Democracy: Effects on Young Adults, Political Attitudes and Behaviors   | \$0         | \$0 | \$84,391    |
| 42 | 2025-06-02-38 | University of Delaware | 2025 NAHLN Infrastructure  | \$229,564   | \$0 | \$0         |
| 43 | 2025-06-02-39 | University of Delaware | Producing Effective Cell Therapies for the Treatment of CLL using a Scalable Bio-Inspired Hydrogel Platform  | \$0         | \$0 | \$100,000   |
| 44 | 2025-06-02-40 | University of Delaware | Advancing AI-Assisted Content Analysis for Safer and Smarter Digital Advertising   | \$0         | \$0 | \$69,856    |
| 45 | 2025-06-02-41 | University of Delaware | Partnership for Improvement & Innovation (PFI) Network - Middle Matters  | \$0         | \$0 | \$24,941    |
| 46 | 2025-06-02-42 | University of Delaware | Parker Solar Probe (ISOIS) Bridge Phase FY26   | \$0         | \$0 | \$67,500    |
| 47 | 2025-06-02-43 | University of Delaware | Development of a National Historic, Real-Time, and Forecasted High-Resolution Waterfowl Distribution and HPAI Model  | \$0         | \$0 | \$269,652   |
| 48 | 2025-06-02-44 | University of Delaware | CAREER: Enabling Autonomy via Enhanced Situational Awareness for Underwater Robotics   | \$110,819   | \$0 | \$0         |
| 49 | 2025-06-02-45 | University of Delaware | Using Historical and Real-Time Waterfowl Modeling Data to Strategically Push Waterfowl Away from Habitat Near Farms and Toward Waterfowl Habitat Further Away via Drones and/or Waterfowl Hunting Pressure | \$0         | \$0 | \$303,617   |
| 50 | 2025-06-02-46 | University of Delaware | New Roles for Topoisomerase II in Meiosis  | \$1,250,000 | \$0 | \$0         |
| 51 | 2025-06-02-47 | University of Delaware | Research Infrastructure: MIP: Exploring Extreme Synthesis Conditions and Artificial Intelligence for the Discovery of Novel Composite and Alloy Materials  | \$0         | \$0 | \$3,737,851 |
| 52 | 2025-06-02-48 | University of Delaware | A Comparison of Prolonged Exposure Therapy, Pharmacotherapy, and their Combination for PTSD: What works Best, and for Whom   | \$0         | \$0 | \$3,406     |
| 53 | 2025-06-02-49 | University of Delaware | 4-H Health Rocks Life Skills Education for Delaware  | \$0         | \$0 | \$100,000   |
| 54 | 2025-06-02-50 | University of Delaware | Super-Resolution Space TomoSAR Cryosphere Imaging via Diffusion Generative AI with Stratified Priors   | \$458,292   | \$0 | \$0         |
| 55 | 2025-06-02-51 | University of Delaware | Expansion of the Delaware Master Naturalist Program to Protect Natural Resources in the Delaware River Watershed   | \$0         | \$0 | \$321,307   |
| 56 | 2025-06-02-52 | University of Delaware | Mechanisms Controlling RNA Methylation and Demethylation Enzymes   | \$1,624,936 | \$0 | \$0         |
| 57 | 2025-06-02-53 | University of Delaware | Solid Polymer Electrolyte-Driven Fiber Batteries with Enhanced Safety and Processability   | \$0         | \$0 | \$23,437    |
| 58 | 2025-06-02-54 | University of Delaware | Demystifying the Distinct Functional Organization of the Corticospinal and Corticoreticulospinal Tracts in Post-Stroke Walking   | \$0         | \$0 | \$80,065    |
| 59 | 2025-06-02-55 | University of Delaware | Protein Knowledge Network for AI-Driven Biomedical Discovery   | \$1,375,000 | \$0 | \$0         |
| 60 | 2025-06-02-56 | University of Delaware | Expanding Effectiveness Testing of the ABC Intervention to Target New Research-Domain Criteria (R-DOC) informed Neurodevelopmental Pathways to Improve Early Childhood Mental Health in New Contexts.      | \$0         | \$0 | \$157,395   |

|    |               |                        |   |             |     |           |
|----|---------------|------------------------|---|-------------|-----|-----------|
| 61 | 2025-06-02-57 | University of Delaware | Multiscale Considerations for Immune Engineering at Mucosal Interfaces  | \$1,626,850 | \$0 | \$0       |
| 62 | 2025-06-02-58 | University of Delaware | Synchrony and Swarming: Merging Biological and Electromagnetic Topologies in Autonomous Agent Networks  | \$65,531    | \$0 | \$0       |
| 63 | 2025-06-02-59 | University of Delaware | Developing Recombinant, Liposome-Displayed H5 as a HPAI Poultry Vaccine   | \$0         | \$0 | \$389,593 |
| 64 | 2025-06-02-60 | University of Delaware | Implementing Nutrition Services in Primary Care settings to address Chronic Disease Prevention  | \$0         | \$0 | \$141,660 |
| 65 | 2025-06-02-61 | University of Delaware | Advanced Manufacturing Technologies for Recycling of Pharmaceutical Plastics Waste  | \$0         | \$0 | \$72,001  |
| 66 | 2025-06-02-62 | University of Delaware | 3D-Printed Heterogeneous Photocatalysts for Scalable Photocatalysis   | \$0         | \$0 | \$72,000  |
| 67 | 2025-06-02-63 | University of Delaware | The Political Geology of Southwest Greenland: Hyperspatial Analysis of a Mineral Frontier.  | \$39,892    | \$0 | \$0       |
| 68 | 2025-06-02-64 | University of Delaware | Health Outreach and Palliative Support (HOPES) for Rural COPD   | \$0         | \$0 | \$141,554 |
| 69 | 2025-06-02-65 | University of Delaware | NCC 4H Johnston FY26, NCC 4H RT.9 CLUBS FY26, NCC 4H KNOLLWOOD FY26   | \$0         | \$0 | \$84,000  |
| 70 | 2025-06-02-66 | University of Delaware | Understanding Brain-Electrode Mechanical Interactions in DBS Using Digital Twins Built from Magnetic Resonance Elastography and Surgical Data                       | \$0         | \$0 | \$445,554 |
| 71 | 2025-06-02-67 | University of Delaware | PSI Fundamental Research and Development Project  | \$0         | \$0 | \$62,500  |
| 72 | 2025-06-02-68 | University of Delaware | Field Pilot Application of Enhanced Evaporative Flux to Remediate Brine-Contaminated Soils  | \$0         | \$0 | \$100,799 |
| 73 | 2025-06-02-69 | University of Delaware | Collaborative Research: DMREF: Accelerating Adoption of Sintering-Assisted Additive Manufacturing Using Integrated Experiments, Theory, Simulation and Data Science | \$0         | \$0 | \$100,077 |
| 74 | 2025-06-02-70 | University of Delaware | Processing Studies for UHMW PE Composites with Complex Geometries   | \$0         | \$0 | \$256,249 |
| 75 | 2025-06-02-71 | University of Delaware | Genes and Mechanisms regulating Apoptosis in Zebrafish Models of Lens Defects   | \$0         | \$0 | \$313,853 |
| 76 | 2025-06-02-72 | University of Delaware | Study of the U.S. Institutes Madeline K. Albright Young Women Leaders Program Civic Engagement  | \$0         | \$0 | \$204,921 |
| 77 | 2025-06-02-73 | University of Delaware | Neighborhoods, Schools and Type 1 and 2 Diabetes in Children.   | \$0         | \$0 | \$100,090 |
| 78 | 2025-06-02-74 | University of Delaware | Operation SEAGRASS: Sonar Exploration and Aquatic Grass Research for Advancing Manatee Sustainability   | \$0         | \$0 | \$14,577  |
| 79 | 2025-06-02-75 | University of Delaware | Open Topic for Ballistic Barrier for Transportation Protection of SM-3  | \$0         | \$0 | \$43,748  |
| 80 | 2025-06-02-76 | University of Delaware | Combination Vaccine Platforms to Control Avian Influenza Viruses in Poultry   | \$1,495,809 | \$0 | \$0       |
| 81 | 2025-06-02-77 | University of Delaware | Green Synthesis of Heterocycles from Carboxylic Acids using an Artificial Enzyme  | \$0         | \$0 | \$72,000  |
| 82 | 2025-06-02-78 | University of Delaware | High Performance Electro-optic Modulator Designed for Military Aircraft   | \$0         | \$0 | \$45,001  |
| 83 | 2025-06-02-79 | University of Delaware | N252-107-0577 AFP Digital Twin for in-process placement monitoring, control, and metric for rework  | \$0         | \$0 | \$54,552  |
| 84 | 2025-06-02-80 | University of Delaware | Bio-Health-OKN: A Dynamically-Updated Open Knowledge Network for Health   | \$0         | \$0 | \$137,500 |

|     |                |                           |   |             |     |           |
|-----|----------------|---------------------------|---|-------------|-----|-----------|
| 85  | 2025-06-02-81  | University of Delaware    | Developing a Holistic Automated Fiber Placement Digital Engineering Solution (HADES)  | \$0         | \$0 | \$49,501  |
| 86  | 2025-06-02-82  | University of Delaware    | Optical Neural Motes to Enable High Density Recording through Intact Dura in a Nonhuman Primate   | \$0         | \$0 | \$12,500  |
| 87  | 2025-06-02-83  | University of Delaware    | RSA Acquisition of Goods and Services   | \$13,599    | \$0 | \$0       |
| 88  | 2025-06-02-84  | University of Delaware    | LLM-Empowered, AI- and Robotics-Driven Discovery and Qualification of Copper Alloy Inks for Printed Electronics in Harsh Environments                           | \$0         | \$0 | \$98,416  |
| 89  | 2025-06-02-85  | University of Delaware    | Digital Phenotyping of Early Development in Neurogenetic Conditions   | \$0         | \$0 | \$137,253 |
| 90  | 2025-06-02-86  | University of Delaware    | Developing Flock Service Technicians and Allied Industry: Fundamental and Advanced Training to Strengthen On-Farm Broiler Production Support                    | \$0         | \$0 | \$121,109 |
| 91  | 2025-06-02-87  | University of Delaware    | Improving Infant Self-Regulation and Parental Sensitivity in Preterm Dyads: A Novel RCT of the Attachment and Biobehavioral Catch-Up Program                    | \$0         | \$0 | \$60,849  |
| 92  | 2025-06-02-88  | University of Delaware    | PATCHES - Prey Aggregation and Potential Turbine-induced CHangEs at the Submesoscale  | \$0         | \$0 | \$422,459 |
| 93  | 2025-06-02-89  | University of Delaware    | CogniSense: Center on Cognitive Multispectral Sensors   | \$0         | \$0 | \$49,500  |
| 94  | 2025-06-02-90  | University of Delaware    | AMENDMENT/ SANOFI LNP PROJECT   | \$0         | \$0 | \$25,236  |
| 95  | 2025-06-02-91  | University of Delaware    | Data-Driven Natural Products Discovery and Efficient Synthesis  | \$5,108,470 | \$0 | \$0       |
| 96  | 2025-06-02-92  | University of Delaware    | Resolving the Burden of Low Back Pain in Military Service Members and Veterans: A Multi-Site Pragmatic Clinical Trial.  | \$0         | \$0 | \$49,463  |
| 97  | 2025-06-02-93  | University of Delaware    | Satellite Quantum Tests of Universality of Free Fall  | \$142,580   | \$0 | \$0       |
| 98  | 2025-06-02-94  | University of Delaware    | Dover Youth Committee   | \$0         | \$0 | \$45,611  |
| 99  | 2025-06-02-95  | University of Delaware    | From Inland Bays to Delaware Bay: Enhancing Ghost Gear Recovery with AI and Community-Led Support   | \$0         | \$0 | \$79,011  |
| 100 | 2025-06-02-96  | University of Delaware    | Play It Forward   | \$0         | \$0 | \$50,000  |
| 101 | 2025-06-02-97  | University of Delaware    | Collaborative Research: FLOTILLA - FLoats for Ocean-To-Ice Links aLong the Antarctic coast  | \$1,018,280 | \$0 | \$0       |
| 102 | 2025-06-02-98  | University of Delaware    | Mechanically Controlled Drug Delivery Platform for Joint Environments   | \$0         | \$0 | \$64,016  |
| 103 | 2025-06-02-99  | University of Delaware    | Development of Breakthrough Silver-Reduced Metallization Technology for Crystalline Silicon Solar Systems   | \$0         | \$0 | \$34,965  |
| 104 | 2025-06-02-100 | University of Delaware    | Using Quantitative Ethnography and Customized Virtual Role Models to Measure and Improve the Computing Identity of First-Year University Students               | \$0         | \$0 | \$25,000  |
| 105 | 2025-06-02-101 | University of Delaware    | Supporting Teachers to Enact Equitable Mathematics Instruction Through Rubric-Based Coaching  | \$0         | \$0 | \$25,000  |
| 106 | 2025-06-03-01  | Delaware State University | Nanoporous Biocarbons for Advanced Supercapacitors: Sustainable Synthesis from Biowastes with Seawater as Activation Reagent for Reducing Environmental Impacts | \$326,748   | \$0 | \$0       |
| 107 | 2025-06-03-02  | Delaware State University | Decentralized Drone Swarm Coordination in Adverse Environments  | \$196,928   | \$0 | \$0       |
| 108 | 2025-06-03-03  | Delaware State University | Classical 5HT2a Psychedelics and Traumatic Brain Injury   | \$1,095,000 | \$0 | \$0       |

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|-----|---------------|---------------------------|---|-------------|-----|-----|
| 109 | 2025-06-03-04 | Delaware State University | Graduate Training in Protein Dynamics and Function (PDF) at Delaware State University | \$3,219,510 | \$0 | \$0 |
| 110 | 2025-06-03-05 | Delaware State University | Experiential Learning for Mental Health Paraprofessionals                             | \$1,380,800 | \$0 | \$0 |
| 111 | 2025-06-03-06 | Delaware State University | The Impact of a No-Cost After School and Summer Camp Program (ACCEL)                  | \$118,666   | \$0 | \$0 |

Created 6/4/2025 Revised 6-12-25

**Delaware State Clearinghouse Committee**  
**July Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**July 22, 2025 @ 10:00am**

| Item                 | SAI#           | Applicant   | Project Title  | Federal       | Funding State | Other | Federal | Positions State | Other |
|----------------------|----------------|---|--|---------------|---------------|-------|---------|-----------------|-------|
| <b>New Business*</b> |                |   |  |               |               |       |         |                 |       |
| 1                    | 6781           | Judicial, Family Court  | Child-Related Relief Facilitator Project                                       | \$250,000     | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 2                    | 6735           | Department of Health and Social Services, Public Health, Community Health   | Women, Infant, and Children (WIC) Online Shopping                              | \$532,510     | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 3                    | 5402 Amendment | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances | Support Agency Cooperative Agreement – Preliminary Assessment/Site Inspection  | \$309,151     | \$0           | \$0   | 1.20    | 0.00            | 0.00  |
| 4                    | 6754           | Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency                     | Non-Profit Security Grant Program- National Security Supplemental              | \$1,650,000   | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 5                    | 6786           | Caesar Rodney School District   | Community Oriented Policing Services (COPS) School Violence Prevention Program | \$457,644     | \$152,548     | \$0   | 0.00    | 0.00            | 0.00  |
| <b>Continued</b>     |                |   |  |               |               |       |         |                 |       |
| 1                    | 6782           | Judicial, Family Court  | Court Improvement Program Grant  | \$300,092     | \$100,932     | \$0   | 1.00    | 0.40            | 0.00  |
| 2                    | 6747           | Executive, Criminal Justice, Criminal Justice Council   | Title II Formula Block Grant   | \$480,478     | \$48,048      | \$0   | 0.50    | 0.39            | 0.00  |
| 3                    | 6715           | Department of State, Libraries  | Volunteers in Service to America - AmeriCorps                                  | \$15,000      | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 4                    | 6796           | Department of State, Division of Arts, Office of the Director   | Promotion of the Arts - Partnership Agreement                                  | \$1,040,000   | \$1,040,000   | \$0   | 3.00    | 0.00            | 0.00  |
| 5                    | 6673           | Department of Health and Social Services, Medicaid and Medical Assistance   | Expansion of Medicaid - CHIP School Based Services                             | \$1,000,835   | \$0           | \$0   | 2.00    | 0.00            | 0.00  |
| 6                    | 6693           | Department of Health and Social Services, Public Health, Community Health   | Behavioral Risk Factor Surveillance System                                     | \$499,875     | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 7                    | 6696           | Department of Health and Social Services, Public Health, Community Health   | Promoting Adolescent Health Through School Based Surveillance                  | \$112,500     | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 8                    | 6714           | Department of Health and Social Services, Public Health, Community Health   | Modernizing Environmental Public Health Tracking                               | \$570,000     | \$0           | \$0   | 2.75    | 0.00            | 0.00  |
| 9                    | 6716           | Department of Health and Social Services, Social Services   | Refuge Cash and Medical Assistance Program                                     | \$3,899,400   | \$0           | \$0   | 0.50    | 0.00            | 0.00  |
| 10                   | 6718           | Department of Health and Social Services, Public Health, Community Health   | Delaware Violent Death Reporting System  | \$183,314     | \$0           | \$0   | 1.00    | 0.00            | 0.00  |
| 11                   | 6721           | Department of Health and Social Services, Medicaid and Medical Assistance   | Medicaid Administration  | \$100,947,975 | \$51,635,950  | \$0   | 207.64  | 175.94          | 0.00  |
| 12                   | 6722           | Department of Health and Social Services, Public Health, Community Health   | Childhood Lead Poisoning Prevention  | \$493,678     | \$0           | \$0   | 1.00    | 0.00            | 0.00  |
| 13                   | 6723           | Department of Health and Social Services, Public Health, Community Health   | Sudden Death in the Young Registry   | \$93,969      | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 14                   | 6734           | Department of Health and Social Services, Public Health, Community Health   | Preventing Maternal Deaths: Supporting Maternal Mortality Review Committee     | \$295,000     | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 15                   | 6735           | Department of Health and Social Services, Public Health, Community Health   | Maternal, Infant, and Childhood Home Visiting                                  | \$5,105,489   | \$1,704,950   | \$0   | 1.50    | 0.00            | 0.00  |

|    |      |  |   |              |              |     |        |        |      |
|----|------|--|---|--------------|--------------|-----|--------|--------|------|
| 16 | 6738 | Department of Health and Social Services, Social Services, State Service Centers           | Commission Support Grant  | \$350,867    | \$290,422    | \$0 | 2.75   | 5.75   | 0.00 |
| 17 | 6739 | Department of Health and Social Services, Social Services, State Service Centers           | Training and Technical Assistance Commission Investment                                 | \$166,136    | \$0          | \$0 | 0.00   | 0.00   | 0.00 |
| 18 | 6761 | Department of Health and Social Services, Social Services                                  | Temporary Assistance for Needy Families   | \$32,184,421 | \$33,834,249 | \$0 | 28.67  | 24.40  | 0.00 |
| 19 | 6762 | Department of Health and Social Services, Social Services                                  | Temporary Assistance for Needy Families - Contingency                                   | \$3,900,000  | \$0          | \$0 | 0.00   | 0.00   | 0.00 |
| 20 | 6763 | Department of Health and Social Services, Social Services                                  | Social Services Block Grant   | \$4,930,464  | \$0          | \$0 | 14.80  | 0.00   | 0.00 |
| 21 | 6764 | Department of Health and Social Services, Social Services                                  | Child Care Development Fund - Mandatory   | \$5,179,330  | \$5,179,325  | \$0 | 0.00   | 0.00   | 0.00 |
| 22 | 6765 | Department of Health and Social Services, Social Services                                  | Child Care Development Fund - Matching  | \$6,232,458  | \$6,232,458  | \$0 | 0.00   | 0.00   | 0.00 |
| 23 | 6766 | Department of Health and Social Services, Social Services                                  | Child Care Development Fund - Discretionary   | \$22,156,840 | \$1,754,623  | \$0 | 17.55  | 18.35  | 0.00 |
| 24 | 6767 | Department of Health and Social Services, Social Services                                  | Refugee Social Service Case Program   | \$982,658    | \$0          | \$0 | 0.00   | 0.00   | 0.00 |
| 25 | 6768 | Department of Health and Social Services, Social Services                                  | Supplemental Nutrition Assistance Program   | \$22,723,684 | \$22,723,684 | \$0 | 131.40 | 131.40 | 0.00 |
| 26 | 6769 | Department of Health and Social Services, Social Services                                  | Supplemental Nutrition Assistance Program, Employment and Training - Administration     | \$347,825    | \$0          | \$0 | 0.00   | 0.00   | 0.00 |
| 27 | 6770 | Department of Health and Social Services, Social Services                                  | Supplemental Nutrition Assistance Program, Employment and Training - Operations         | \$127,139    | \$127,140    | \$0 | 0.00   | 0.00   | 0.00 |
| 28 | 6771 | Department of Health and Social Services, Social Services                                  | Supplemental Nutrition Assistance Program - Employment and Training                     | \$104,250    | \$104,250    | \$0 | 0.00   | 0.00   | 0.00 |
| 29 | 6773 | Department of Health and Social Services, Social Services                                  | Supplemental Nutrition Assistance Program - State Exchange                              | \$10,000     | \$0          | \$0 | 0.00   | 0.00   | 0.00 |
| 30 | 6774 | Department of Health and Social Services, Social Services                                  | Supplemental Nutrition Assistance Program - Electronic Benefits Transfer State Exchange | \$10,000     | \$0          | \$0 | 0.00   | 0.00   | 0.00 |
| 31 | 6775 | Department of Health and Social Services, Social Services                                  | Supplemental Nutrition Assistance Program Access  | \$10,000     | \$0          | \$0 | 0.00   | 0.00   | 0.00 |
| 32 | 6776 | Department of Health and Social Services, Social Services                                  | Summer Electronic Benefits Transfer System  | \$500,000    | \$500,000    | \$0 | 0.00   | 0.00   | 0.00 |
| 33 | 6777 | Department of Health and Social Services, Social Services                                  | Summer Electronic Benefits Transfer - Benefits  | \$11,760,000 | \$0          | \$0 | 0.00   | 0.00   | 0.00 |
| 34 | 6778 | Department of Health and Social Services, Substance Abuse and Mental Health Administration | State Opioid Response Grant   | \$38,808,934 | \$0          | \$0 | 9.00   | 0.00   | 0.00 |
| 35 | 6779 | Department of Health and Social Services, Public Health, Community Health                  | First Responders - Comprehensive Addiction and Recovery Act                             | \$800,000    | \$0          | \$0 | 0.80   | 0.00   | 0.00 |
| 36 | 6780 | Department of Health and Social Services, Public Health, Community Health                  | Strategic Prevention Framework for Prescription Drugs                                   | \$384,000    | \$0          | \$0 | 0.10   | 0.00   | 0.00 |
| 37 | 6783 | Department of Health and Social Services, Public Health, Community Health                  | Infants and Toddlers with Disabilities  | \$2,587,723  | \$0          | \$0 | 10.00  | 0.00   | 0.00 |
| 38 | 6785 | Department of Health and Social Services, Public Health, Community Health                  | Hospital Preparedness Program   | \$1,197,639  | \$119,764    | \$0 | 2.00   | 0.00   | 0.00 |
| 39 | 6787 | Department of Health and Social Services, Office of the Secretary, Administration          | Innovations in Nutrition Program and Services   | \$149,544    | \$49,848     | \$0 | 0.00   | 0.00   | 0.00 |

|    |                |   |   |              |             |     |      |      |      |
|----|----------------|---|---|--------------|-------------|-----|------|------|------|
| 40 | 6790           | Department of Health and Social Services, State Service Centers   | Low-Income Home Energy Assistance Program                         | \$10,000,000 | \$0         | \$0 | 2.25 | 0.00 | 0.00 |
| 41 | 6793           | Department of Health and Social Services, Social Services   | Summer Electronic Benefits Transfer System                        | \$90,054     | \$90,054    | \$0 | 0.00 | 0.00 | 0.00 |
| 42 | 5331 Amendment | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances | Support Agency Cooperative Agreement - Brownfields Revitalization | \$476,812    | \$0         | \$0 | 2.50 | 0.00 | 0.00 |
| 43 | 6728           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship                 | Non-point Source Implementation Grant                             | \$1,168,000  | \$785,333   | \$0 | 3.00 | 2.70 | 0.00 |
| 44 | 6789           | Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance                     | Clean Water State Revolving Fund                                  | \$7,788,000  | \$1,557,600 | \$0 | 0.00 | 0.00 | 0.00 |
| 45 | 6791           | Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance                     | Clean Water State Revolving Fund Supplemental - IIJA              | \$12,094,000 | \$2,418,800 | \$0 | 0.00 | 0.00 | 0.00 |
| 46 | 6792           | Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance                     | Clean Water State Revolving Fund Emerging Contaminants - IIJA     | \$1,100,000  | \$0         | \$0 | 0.00 | 0.00 | 0.00 |
| 47 | 6788           | Department of Safety and Homeland Security, Office of the Secretary, Highway Safety   | Section 154 Sanction Grant  | \$1,457,853  | \$0         | \$0 | 0.00 | 0.00 | 0.00 |
| 48 | 6741           | Department of Agriculture, Food Products Inspection   | Produce Safety Rule   | \$258,466    | \$0         | \$0 | 2.20 | 0.00 | 0.00 |
| 49 | 2025-06-18-01  | Caesar Rodney School District   | Dover Air Force Base School Budget                                | \$13,384,995 | \$0         | \$0 | 0.00 | 0.00 | 0.00 |

#### Higher Education/Other

|    |               |                        |  |              |     |           |
|----|---------------|------------------------|--|--------------|-----|-----------|
| 1  | 2025-07-03-01 | University of Delaware | Mid-scale RI-1 (M1:IP): Integrative Infrastructure for DNP and NMR in Biology and Chemistry  | \$18,512,148 | \$0 | \$0       |
| 2  | 2025-07-03-02 | University of Delaware | SysCAP: A Systems Approach to Managing the Redheaded Flea Beetle in Specialty Crops  | \$0          | \$0 | \$103,873 |
| 3  | 2025-07-03-03 | University of Delaware | Collaborative Research: Simpson Neutron Monitor Network  | \$2,022,198  | \$0 | \$0       |
| 4  | 2025-07-03-04 | University of Delaware | TRAILBLAZER: The 7th Sense: A Synergistic Human-AI Interaction Framework for Augmenting Human Capabilities   | \$1,915,127  | \$0 | \$0       |
| 5  | 2025-07-03-05 | University of Delaware | University of Delaware Coalition on Character Development: Advancing Flagship State Institutional Leadership   | \$0          | \$0 | \$849,258 |
| 6  | 2025-07-03-06 | University of Delaware | BCSER: Institute for High-Quality Scholarship of Teaching Through the Methodology of Continuous Improvement  | \$647,200    | \$0 | \$0       |
| 7  | 2025-07-03-07 | University of Delaware | Doctoral Fellowship Initiative FOR Saeed Esfandi AY 25-26  | \$0          | \$0 | \$39,336  |
| 8  | 2025-07-03-08 | University of Delaware | Cultivation of Beneficial Microbes across Human Cultures: Exploring Innate and Culturally Learned Microbiological Behaviors  | \$0          | \$0 | \$6,886   |
| 9  | 2025-07-03-09 | University of Delaware | Latinx and Hispanic Historic Resources, City of Wilmington   | \$0          | \$0 | \$11,395  |
| 10 | 2025-07-03-10 | University of Delaware | Threatened Resource Documentation, and Resource Digitization FY 2023   | \$0          | \$0 | \$6,614   |
| 11 | 2025-07-03-11 | University of Delaware | Collaborative Research: TRTech-PGR: Targeted Proximity Labeling of Extracellular Vesicles with Fluorescence and Biotin to Characterize their Release, Uptake, and Contents | \$436,576    | \$0 | \$0       |
| 12 | 2025-07-03-12 | University of Delaware | Advanced Manufacturing of High-Performance Composite Sandwich Structures with Integrated Core-Face Sheets  | \$0          | \$0 | \$22,500  |
| 13 | 2025-07-03-13 | University of Delaware | The Delaware Center for Musculoskeletal Research   | \$7,497,280  | \$0 | \$0       |
| 14 | 2025-07-03-14 | University of Delaware | AI-Enhancement of Model-Based Control Design for Autonomous Vehicles   | \$292,293    | \$0 | \$0       |
| 15 | 2025-07-03-15 | University of Delaware | DIEEC New Directions Early Head Start Year 29  | \$3,021,751  | \$0 | \$0       |

|    |               |                        |   |             |     |           |
|----|---------------|------------------------|---|-------------|-----|-----------|
| 16 | 2025-07-03-16 | University of Delaware | Advancing Hand-Held Laser Induced Breakdown Spectroscopy (LIBS) for Determining Provenance and Identity of Traded and Trafficked Timber                           | \$357,724   | \$0 | \$0       |
| 17 | 2025-07-03-17 | University of Delaware | Using a ONE-HEALTH Holobiotic Approach to Support Nutrient-Rich and Food-Safe Plants in Space   | \$592,546   | \$0 | \$0       |
| 18 | 2025-07-03-18 | University of Delaware | Developing Graph Analytics and AI Tools to Broaden Biomedical Knowledge Discovery: A Research Software Engineer's Approach  | \$300,000   | \$0 | \$0       |
| 19 | 2025-07-03-19 | University of Delaware | Reframing Professional Development for Graduate Teaching Assistants: Cultivating Student Resource-Based Approaches in Undergraduate Mathematics Instruction       | \$0         | \$0 | \$313,901 |
| 20 | 2025-07-03-20 | University of Delaware | Collaborative Research: FLOTILLA - Floats for Ocean-To-Ice Links along the Antarctic coast  | \$1,018,280 | \$0 | \$0       |
| 21 | 2025-07-03-21 | University of Delaware | Elizabethtown Independent Schools (KY) - Literacy   | \$0         | \$0 | \$40,855  |
| 22 | 2025-07-03-22 | University of Delaware | Selective LN Drug Targeting for Head and Neck Cancer  | \$0         | \$0 | \$147,500 |
| 23 | 2025-07-03-23 | University of Delaware | Collaborative Research: Decadal Changes in Dissolved Organic Matter Composition and Reactivity in Antarctic Lakes   | \$229,476   | \$0 | \$0       |
| 24 | 2025-07-03-24 | University of Delaware | Role of Visceral Adipose in Obesity-Induced Endothelial Dysfunction   | \$1,250,000 | \$0 | \$0       |
| 25 | 2025-07-03-25 | University of Delaware | Harnessing Lymphocyte Trafficking for Selective Lymph Node Immunotherapy  | \$0         | \$0 | \$270,000 |
| 26 | 2025-07-03-26 | University of Delaware | Health Impacts of Micro/Nanoplastics on Early Life Development  | \$1,441,835 | \$0 | \$0       |
| 27 | 2025-07-03-27 | University of Delaware | Regulation of Post-Traumatic Osteoarthritis by Multiscale Transmission of Aberrant Load onto the Chondrocyte Cytoskeleton   | \$2,235,046 | \$0 | \$0       |
| 28 | 2025-07-03-28 | University of Delaware | A Dual-Regenerative and Semomorphic Hydrogel Platform for Disease Modification in Osteoarthritis  | \$2,388,514 | \$0 | \$0       |
| 29 | 2025-07-03-29 | University of Delaware | iMAP-CKD: Individualized Multimorbidity-Aware Prediction for Chronic Kidney Disease via Patient Stratification and Knowledge Transfer                             | \$0         | \$0 | \$750,000 |
| 30 | 2025-07-03-30 | University of Delaware | Peitho Editorial Funds  | \$0         | \$0 | \$12,000  |
| 31 | 2025-07-03-31 | University of Delaware | University of Delaware NSF EPSCoR Graduate Fellowship Program   | \$2,385,000 | \$0 | \$0       |
| 32 | 2025-07-03-32 | University of Delaware | The Effect of Sidestream Cranberries on Performance, Gut Microbiome and Gut Health of Broiler Chickens  | \$0         | \$0 | \$37,430  |
| 33 | 2025-07-03-33 | University of Delaware | CIF: Small: Multidimensional Remaindering Theory and Applications   | \$51,082    | \$0 | \$0       |
| 34 | 2025-07-03-34 | University of Delaware | Physics-Informed Deep Learning and Governance Framework for Traffic Applications with Sparse Sensor Networks  | \$113,940   | \$0 | \$125,988 |
| 35 | 2025-07-03-35 | University of Delaware | Dynamically Crosslinked and Conductive Metallocopolymers for Printable Actuators in Haptic Interfaces   | \$0         | \$0 | \$150,000 |
| 36 | 2025-07-03-36 | University of Delaware | Implementing Digital Technologies to Disseminate Information to Support the Activity of Daily Living Needs of Individuals with Cerebral Palsy                     | \$2,602,453 | \$0 | \$0       |
| 37 | 2025-07-03-37 | University of Delaware | Development of Carbide and Nitride Supported-Metal Catalysts for CO <sub>x</sub> - Free Hydrogen Production and Ammonia Synthesis at Low Temperature and Pressure | \$0         | \$0 | \$162,908 |
| 38 | 2025-07-03-38 | University of Delaware | Hydrogen Powered AI Datacenter (HyPAD)  | \$0         | \$0 | \$72,468  |
| 39 | 2025-07-03-39 | University of Delaware | USDA NIFA McIntire Stennis 25   | \$13,311    | \$0 | \$0       |
| 40 | 2025-07-03-40 | University of Delaware | Hierarchical Auditory Prediction Deficits in Childhood Stuttering   | \$1,550,115 | \$0 | \$0       |
| 41 | 2025-07-03-41 | University of Delaware | CRISIS: Comprehensive Reproducibility Initiative for Scientific Integrity and Standardization   | \$0         | \$0 | \$60,000  |

|    |               |                        |  |             |     |             |
|----|---------------|------------------------|--|-------------|-----|-------------|
| 42 | 2025-07-03-42 | University of Delaware | Quantifying the Influence of Tumor-Derived Extracellular Vesicles on Circulating Tumor Cell Extravasation                                    | \$1,678,159 | \$0 | \$0         |
| 43 | 2025-07-03-43 | University of Delaware | Impact of Internal States on Hippocampal Encoding of Social Partners   | \$2,485,052 | \$0 | \$0         |
| 44 | 2025-07-03-44 | University of Delaware | RestorHer - Restoring Sleep for Rural Women Transitioning Through Menopause  | \$0         | \$0 | \$299,940   |
| 45 | 2025-07-03-45 | University of Delaware | A role for Basal Forebrain Cholinergic Neurons in Associative Fear Memory  | \$282,176   | \$0 | \$0         |
| 46 | 2025-07-03-46 | University of Delaware | A Dynamic Cervical Mucosal Platform to Model Hormonal, Microbial, and Microenvironmental Perturbations                                       | \$2,896,741 | \$0 | \$0         |
| 47 | 2025-07-03-47 | University of Delaware | Graduate Stipend Support for the Winterthur/University of Delaware Program in Art Conservation   | \$350,000   | \$0 | \$0         |
| 48 | 2025-07-03-48 | University of Delaware | Elucidating Risk and Protective Factors for LGBTQIA+ Mental Health: The Influence of the Political Climate in the United States              | \$0         | \$0 | \$7,650     |
| 49 | 2025-07-03-49 | University of Delaware | Harnessing a Multi-vector, Multi-scale Approach to Investigate Saltwater Intrusion and Vector-borne Disease Dynamics                         | \$275,000   | \$0 | \$0         |
| 50 | 2025-07-03-50 | University of Delaware | Parcells Lab HVT Project - Recombinant Infectious Clone Selection and Vaccine Assessment   | \$0         | \$0 | \$68,056    |
| 51 | 2025-07-03-51 | University of Delaware | Precision Delivery of STING Agonists to Tumor Draining Lymph Nodes for Durable Tumor Treatment   | \$275,000   | \$0 | \$0         |
| 52 | 2025-07-03-52 | University of Delaware | Building a Clinical Evidence Generation Toolbox for Federated Real-World Data Analysis   | \$0         | \$0 | \$750,000   |
| 53 | 2025-07-03-53 | University of Delaware | Novel Computational Methods for Identifying Drug Repurposing Signals for AD/ADR with Noisy Real-World Data                                   | \$0         | \$0 | \$750,000   |
| 54 | 2025-07-03-54 | University of Delaware | Protein Knowledge Network and Common Fund Data Ecosystem in Proto-OKN for AI-Driven Biomedical Discovery                                     | \$125,000   | \$0 | \$0         |
| 55 | 2025-07-03-55 | University of Delaware | From Classrooms to Communities: A Multi-State Earth Education Toolkit  | \$0         | \$0 | \$22,175    |
| 56 | 2025-07-03-56 | University of Delaware | Engineered Microenvironments to Guide CAR T-cell Phenotype for Multifaceted Immunotherapeutic Applications                                   | \$716,875   | \$0 | \$0         |
| 57 | 2025-07-03-57 | University of Delaware | 4-H Food Loss Waste  | \$0         | \$0 | \$128,377   |
| 58 | 2025-07-03-58 | University of Delaware | Overcoming Immunotherapy Delivery Barriers in Head and Neck Cancer   | \$275,000   | \$0 | \$0         |
| 59 | 2025-07-03-59 | University of Delaware | The HenHacks Hackathon for 2025  | \$0         | \$0 | \$1,000     |
| 60 | 2025-07-03-60 | University of Delaware | Multi-layer PEDOT (poly(3,4-ethylenedioxythiophene)-Based Impedimetric Chemical Sensors  | \$0         | \$0 | \$136,831   |
| 61 | 2025-07-03-61 | University of Delaware | RSA Acquisition of Goods and Services  | \$15,350    | \$0 | \$0         |
| 62 | 2025-07-03-62 | University of Delaware | Nemours Sadeh Collins Year 2   | \$0         | \$0 | \$79,211    |
| 63 | 2025-07-03-63 | University of Delaware | Augmented Reality Rail Inspection System (ARRIS)   | \$0         | \$0 | \$53,332    |
| 64 | 2025-07-03-64 | University of Delaware | Click Chemistry Repurposing of FDA Drugs to Prevent OA Cartilage Degradation   | \$275,001   | \$0 | \$0         |
| 65 | 2025-07-03-65 | University of Delaware | Center: NSF Engineering Research Center for Engineering Movement with Personalization for Optimized Wellness and Enhanced Recovery (EMPOWER) | \$0         | \$0 | \$1,900,142 |
| 66 | 2025-07-03-66 | University of Delaware | Project MIRRORS: Multilingual Instruction through Responsive Reflection and Ongoing Refinement with Student Data                             | \$0         | \$0 | \$326,087   |
| 67 | 2025-07-03-67 | University of Delaware | Delaware SEU Energy Assessment Program   | \$0         | \$0 | \$109,783   |
| 68 | 2025-07-03-68 | University of Delaware | ENDEAVOR: Hydrogen Energy & Decarbonization At-Source via Innovative Wellbore Natural Gas Reforming Reactor                                  | \$0         | \$0 | \$243,833   |
| 69 | 2025-07-03-69 | University of Delaware | Paternal Control of the Oocyte-to-Embryo Transition in <i>C. elegans</i>   | \$0         | \$0 | \$417,585   |

|    |               |                                |   |               |     |              |
|----|---------------|--------------------------------|---|---------------|-----|--------------|
| 70 | 2025-07-03-70 | University of Delaware         | Bayesian Inference for Crash Risk Modeling and Small Carrier Risk Assessment  | \$86,081      | \$0 | \$0          |
| 71 | 2025-07-03-71 | University of Delaware         | HHS DATI FY2025 Delaware Assistive Technology Initiative  | \$423,003     | \$0 | \$0          |
| 72 | 2025-07-03-72 | University of Delaware         | Liquid Fuel Production via Non-Thermal Plasma Catalysis   | \$0           | \$0 | \$46,875     |
| 73 | 2025-07-03-73 | University of Delaware         | Improved Layer Bonding for Continuous Fiber Printing  | \$0           | \$0 | \$53,125     |
| 74 | 2025-07-03-74 | University of Delaware         | Understanding Early Vocal Development in Infants with Neurogenetic Syndromes: New Tools to Predict and Support Language and Autism Outcomes               | \$1,069,137   | \$0 | \$0          |
| 75 | 2025-07-03-75 | University of Delaware         | Elucidating Microenvironmental Factors that Drive Breast Cancer Dormancy and Reactivation and Evaluating a New Treatment to Eliminate Dormant Tumor Cells | \$315,402     | \$0 | \$0          |
| 76 | 2025-07-03-76 | University of Delaware         | Optimizing Healthcare Delivery and Identifying Novel Risk Factors for Neurological Comorbidity Among Older Adults with Autism Spectrum Disorder           | \$3,303,420   | \$0 | \$0          |
| 77 | 2025-07-03-77 | University of Delaware         | Delaware 4H Beyond Ready  | \$0           | \$0 | \$111,601    |
| 78 | 2025-07-03-78 | University of Delaware         | Hybrid AI/Model-based Quadrupedal Motion Planning and Control   | \$312,293     | \$0 | \$0          |
| 79 | 2025-07-01-01 | Delaware State University      | FY2026 DSU SNAP-ED Program  | \$169,057     | \$0 | \$0          |
| 80 | 2025-07-01-02 | Delaware State University      | Project ECLIPSE (Equitable Curriculum and Leadership in Special Education)  | \$1,173,257   | \$0 | \$0          |
| 81 | 2025-07-01-03 | Delaware State University      | Cholinergic Neurotransmission in the Central Nervous System During Aging  | \$3,164,221   | \$0 | \$0          |
| 82 | 2024-05-26-01 | Diamond State Port Corporation | Port Infrastructure Development Program   | \$127,510,094 | \$0 | \$14,167,788 |

Created 7/3/2025

**Delaware State Clearinghouse Committee**  
**August Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**August 19, 2025 @ 10:00am**

| Item                 | SAI# | Applicant   | Project Title  | Federal      | Funding State | Other | Federal | Positions State | Other |
|----------------------|------|---|--|--------------|---------------|-------|---------|-----------------|-------|
| <b>New Business*</b> |      |   |  |              |               |       |         |                 |       |
| 1                    | 6807 | Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship                 | Christina and Brandywine River Remediation, Restoration, and Resilience Project    | \$6,300,000  | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 2                    | 6736 | Department of Education, Academic Support   | Delaware Bay Watershed Education and Training Program                              | \$150,000    | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| <b>Continued</b>     |      |   |  |              |               |       |         |                 |       |
| 1                    | 6697 | Department of Health and Social Services, Public Health, Community Health   | Advancing Health Equity and Asthma Control   | \$449,728    | \$0           | \$0   | 0.10    | 0.00            | 0.00  |
| 2                    | 6699 | Department of Health and Social Services Public Health, Community Health  | Well-Integrated Screening and Evaluation for Women                                 | \$681,726    | \$238,611     | \$0   | 0.90    | 0.34            | 0.00  |
| 3                    | 6756 | Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health                          | Projects for Assistance in Transition from Homeless Grant                          | \$300,000    | \$100,000     | \$0   | 0.00    | 0.00            | 0.00  |
| 4                    | 6757 | Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health                          | Bipartisan Safer Communities Act - Center for Mental Health Block Grant            | \$167,611    | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 5                    | 6800 | Department of Health and Social Services, Child Support Services  | Child Support Enforcement  | \$30,218,684 | \$14,561,168  | \$0   | 123.42  | 61.54           | 2.04  |
| 6                    | 6801 | Department of Health and Social Services, Child Support Services  | Child Support Enforcement Incentive Grant  | \$1,732,384  | \$0           | \$0   | 21.00   | 0.00            | 0.00  |
| 7                    | 6825 | Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health                          | Mental Health Awareness Training (MHAT) Grant                                      | \$125,000    | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 8                    | 6829 | Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment                        | Title IV-B, Subpart 2 - Promoting Safe and Stable Families                         | \$986,174    | \$868,206     | \$0   | 2.00    | 6.00            | 0.00  |
| 9                    | 6830 | Department of Services for Children, Youth and Their Families   | Title IV-E Independent Living Program  | \$540,000    | \$135,000     | \$0   | 2.00    | 0.00            | 0.00  |
| 10                   | 6831 | Department of Services for Children, Youth and Their Families   | Child Abuse Prevention and Treatment Act   | \$336,821    | \$99,179      | \$0   | 3.00    | 1.00            | 0.00  |
| 11                   | 6832 | Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment                        | Title IV-E Kinship Navigator Program   | \$173,868    | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 12                   | 6833 | Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment                        | Title IV-B, Subpart 2 - Promoting Safe and Stable Families                         | \$62,337     | \$20,779      | \$0   | 0.00    | 0.00            | 0.00  |
| 13                   | 6834 | Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment                        | Title IV-E Education and Training Vouchers Program                                 | \$72,078     | \$18,020      | \$0   | 0.00    | 0.00            | 0.00  |
| 14                   | 6835 | Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment                        | Adoption Incentive Payment Program   | \$44,000     | \$0           | \$0   | 0.00    | 0.00            | 0.00  |
| 15                   | 6797 | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances | Leaking Underground Storage Tank Prevention Grant                                  | \$796,185    | \$265,395     | \$0   | 2.40    | 0.60            | 0.00  |
| 16                   | 6798 | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances | Leaking Underground Storage Tank Cleanup Program                                   | \$1,782,840  | \$198,093     | \$0   | 4.10    | 0.00            | 0.00  |
| 17                   | 6808 | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances | Hazardous Waste Management Program - Resource Conservation and Recovery Act (RCRA) | \$2,279,001  | \$759,666     | \$0   | 6.70    | 1.50            | 0.00  |
| 18                   | 6809 | Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship                 | Water Quality Management Planning Grant  | \$212,000    | \$0           | \$0   | 0.00    | 0.00            | 0.00  |

|    |      |   |  |              |           |     |      |      |      |
|----|------|---|--|--------------|-----------|-----|------|------|------|
| 19 | 6824 | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Division of Waste and Hazardous Substances | Support Agency Cooperative Agreement - Army Creek          | \$10,000     | \$0       | \$0 | 0.06 | 0.00 | 0.00 |
| 20 | 6811 | Department of Education, Student Support  | Child and Adult Care Food Program                          | \$21,493,211 | \$0       | \$0 | 0.00 | 1.80 | 0.00 |
| 21 | 6812 | Department of Education, Student Support  | Child and Adult Care Food Program - Cash-in-Lieu           | \$1,177,292  | \$0       | \$0 | 0.00 | 0.00 | 0.00 |
| 22 | 6813 | Department of Education, Student Support  | Child and Adult Care Food Program - Sponsor Administration | \$574,269    | \$0       | \$0 | 0.00 | 0.00 | 0.00 |
| 23 | 6814 | Department of Education, Student Support  | Fresh Fruit and Vegetables Program                         | \$2,790,669  | \$0       | \$0 | 0.00 | 0.00 | 0.00 |
| 24 | 6815 | Department of Education, Student Support  | National School Breakfast Program                          | \$18,099,317 | \$0       | \$0 | 0.00 | 0.00 | 0.00 |
| 25 | 6816 | Department of Education, Student Support  | National School Lunch Program                              | \$43,469,499 | \$487,127 | \$0 | 0.00 | 0.00 | 0.00 |
| 26 | 6817 | Department of Education, Student Support  | Child Nutrition State Administrative Expense               | \$1,565,025  | \$347,114 | \$0 | 4.15 | 1.50 | 0.00 |
| 27 | 6819 | Department of Education, Student Support  | Summer Food Service Program                                | \$3,262,329  | \$0       | \$0 | 0.00 | 0.00 | 0.00 |
| 28 | 6820 | Department of Education, Student Support  | Summer Food Service Program - State Administrative Funds   | \$124,324    | \$0       | \$0 | 0.55 | 0.00 | 0.00 |

#### Higher Education/Other

|    |               |                                      |   |           |     |           |  |  |  |
|----|---------------|--------------------------------------|---|-----------|-----|-----------|--|--|--|
| 1  | 6705          | Delaware Technical Community College | Delaware Manufacturing Extension Partnership (DEMEP) National Institute of Standards & Tech Year 4-5  | \$403,400 | \$0 | \$0       |  |  |  |
| 2  | 2025-08-05-01 | University of Delaware               | WoU-MMA: Cosmic-Ray Physics with IceCube 2025 - 2028  | \$0       | \$0 | \$0       |  |  |  |
| 3  | 2025-08-05-02 | University of Delaware               | CAS: Functionalization of Earth-Abundant, Molecular Group 4 Photosensitizers for Photochemical Applications   | \$380,453 | \$0 | \$0       |  |  |  |
| 4  | 2025-08-05-03 | University of Delaware               | Disciplinary Improvements: HS-SPECTRA: Hyperspectral Standardizing and Sharing Possibilities for Environmental Conditions through Toolkits, Resources and Archiving | \$0       | \$0 | \$45,000  |  |  |  |
| 5  | 2025-08-05-04 | University of Delaware               | REplacing SEdentary Time for Arthritis (RESET-Arthritis): A Pilot RCT   | \$0       | \$0 | \$77,899  |  |  |  |
| 6  | 2025-08-05-05 | University of Delaware               | The Allstate Foundation College Service Grant   | \$0       | \$0 | \$10,000  |  |  |  |
| 7  | 2025-08-05-06 | University of Delaware               | Teaching with Primary Sources Mid-Atlantic/US Territories Region  | \$0       | \$0 | \$22,089  |  |  |  |
| 8  | 2025-08-05-07 | University of Delaware               | Rooted Resilience: Establishing Large Scale Submerged Aquatic Vegetation Restoration Efforts (DE)   | \$0       | \$0 | \$753,303 |  |  |  |
| 9  | 2025-08-05-08 | University of Delaware               | Tools4Cells: Multi-Kingdom Acetyl-CoA Sensing For Real-Time Reporting and Control of Metabolism   | \$644,108 | \$0 | \$0       |  |  |  |
| 10 | 2025-08-05-09 | University of Delaware               | Detailed Cell Mechanical Analysis - Temperature Effect  | \$0       | \$0 | \$32,694  |  |  |  |
| 11 | 2025-08-05-10 | University of Delaware               | Bird-Inspired Small UAVs Enabled by Flexible Hybrid Electronics   | \$0       | \$0 | \$66,171  |  |  |  |

|    |               |                        |   |             |     |             |
|----|---------------|------------------------|---|-------------|-----|-------------|
| 12 | 2025-08-05-11 | University of Delaware | Data-Driven Natural Products Discovery and Efficient Synthesis  | \$5,108,470 | \$0 | \$0         |
| 13 | 2025-08-05-12 | University of Delaware | TRACE: Turbine-to-Regional Assessment Characterizing Ecological Outcomes Driven By Offshore Wind Hydrodynamics  | \$0         | \$0 | \$691,650   |
| 14 | 2025-08-05-13 | University of Delaware | Developing Graph Analytics and AI Tools to Broaden Biomedical Knowledge Discovery: A Research Software Engineer's Approach                                | \$300,000   | \$0 | \$0         |
| 15 | 2025-08-05-14 | University of Delaware | Center: Engineering Research Center for Innovations in Flexible Biomanufacturing (iFlexBio)   | \$0         | \$0 | \$2,782,856 |
| 16 | 2025-08-05-15 | University of Delaware | Impact of Internal States on Hippocampal Encoding of Social Partners  | \$2,485,052 | \$0 | \$0         |
| 17 | 2025-08-05-16 | University of Delaware | Nemours Selva Ebraheem  | \$0         | \$0 | \$176,601   |
| 18 | 2025-08-05-17 | University of Delaware | Vole Caloric Restriction Research   | \$0         | \$0 | \$73,093    |
| 19 | 2025-08-05-18 | University of Delaware | A Role For Basal Forebrain Cholinergic Neurons In Associative Fear Memory   | \$282,176   | \$0 | \$0         |
| 20 | 2025-08-05-19 | University of Delaware | Demonstration Of Vehicle-To-Grid (V2G) Power And Value Of V2G Grid Services   | \$0         | \$0 | \$45,380    |
| 21 | 2025-08-05-20 | University of Delaware | The Influence Of Capsule Composition On Lens Biology  | \$1,860,670 | \$0 | \$0         |
| 22 | 2025-08-05-21 | University of Delaware | Spectroscopy And Calorimetry Of Atomic Layer Etching (Scale)  | \$906,963   | \$0 | \$0         |
| 23 | 2025-08-05-22 | University of Delaware | Mcao Provencal Salary Fy2026  | \$0         | \$0 | \$147,366   |
| 24 | 2025-08-05-23 | University of Delaware | Developing Environment-Focused Engineering Student Experiences In Tanzania  | \$23,331    | \$0 | \$0         |
| 25 | 2025-08-05-24 | University of Delaware | Analyzing 20 Years Of Landbird Data For The Northern Colorado Plateau I&M Network Of The National Park Service  | \$46,808    | \$0 | \$0         |
| 26 | 2025-08-05-25 | University of Delaware | Osteocyte Peri-Lacunar/Canalicular Remodeling in Maternal Bone Adaptation   | \$0         | \$0 | \$715,725   |
| 27 | 2025-08-05-26 | University of Delaware | Elucidating Microenvironmental Factors that Drive Breast Cancer Dormancy and Reactivation and Evaluating a New Treatment to Eliminate Dormant Tumor Cells | \$492,123   | \$0 | \$0         |
| 28 | 2025-08-05-27 | University of Delaware | 2025-43: Autonomous Control of Chain expression For Multi-Chain Constructs  | \$0         | \$0 | \$126,002   |
| 29 | 2025-08-05-28 | University of Delaware | 2025-02: A Novel ROS Sensor to Investigate Oxidative Stress in CHO Fed Batch  | \$0         | \$0 | \$108,001   |
| 30 | 2025-08-05-29 | University of Delaware | 2025-13: Single-cell Lineage Tracing for Discovery of Early Biomarkers of Stable Productivity & Product Quality   | \$0         | \$0 | \$180,001   |

|    |               |                        |  |             |     |           |
|----|---------------|------------------------|--|-------------|-----|-----------|
| 31 | 2025-08-05-30 | University of Delaware | Using Machine Learning To Understand How Motor and Multi-Symptom Clusters Better Explain Autism Severity and Variability   | \$909,809   | \$0 | \$0       |
| 32 | 2025-08-05-31 | University of Delaware | Changes in Postpartum Contraceptive Care for Low-Income and Minoritized Persons after Dobbs: State-Level Policy Impacts  | \$0         | \$0 | \$137,349 |
| 33 | 2025-08-05-32 | University of Delaware | Identifying and Evaluating Sensory and Motor System Changes as Biomarkers of Alzheimer's Disease   | \$3,152,494 | \$0 | \$0       |
| 34 | 2025-08-05-33 | University of Delaware | High Throughput Data Generation of the Effect of Ligand, Leaving Group, and Solvent on the Efficiency and Stereospecificity of Ni-catalyzed C(sp <sub>2</sub> ),C(sp <sub>3</sub> ) Cross Coupling Reactions | \$0         | \$0 | \$100,000 |
| 35 | 2025-08-05-34 | University of Delaware | Engineering Research Center for Engineering Methods Enabling Reproductive and Gynecological Excellence (EMERGE)  | \$0         | \$0 | \$303,653 |
| 36 | 2025-08-05-35 | University of Delaware | RSA Acquisition of Goods and Services  | \$13,599    | \$0 | \$0       |
| 37 | 2025-08-05-36 | University of Delaware | Prediction of Protein-Protein Interactions via Computation for Formulation Development   | \$0         | \$0 | \$200,000 |
| 38 | 2025-08-05-37 | University of Delaware | Building a Model of the Molecular Interactions of Fertilization  | \$1,250,000 | \$0 | \$0       |
| 39 | 2025-08-05-38 | University of Delaware | Sandbridge Highly Migratory Species: Fish Distribution on a Dredged Shoal  | \$135,383   | \$0 | \$0       |
| 40 | 2025-08-05-39 | University of Delaware | Introduction to Contemporary English Language Teaching Methods - Fall 2025 instructional services  | \$0         | \$0 | \$39,021  |
| 41 | 2025-08-05-40 | University of Delaware | NOAA NWS National Mesonet Program 2021 - Amend 12  | \$0         | \$0 | \$45,321  |
| 42 | 2025-08-05-41 | University of Delaware | 2025-51: Optimizing Processes with Limited Data: Model Reduction and Smart Experimentation   | \$0         | \$0 | \$180,001 |
| 43 | 2025-08-05-42 | University of Delaware | Supporting Performance and Clinical Care in Young Female Athletes  | \$0         | \$0 | \$395,349 |
| 44 | 2025-08-05-43 | University of Delaware | NSF Engineering Research Center for Plastics Lifecycle Sustainability, Technology Innovation, and Circularity (PLSTIC)   | \$0         | \$0 | \$377,164 |
| 45 | 2025-08-05-44 | University of Delaware | Megawatt Charging System Standard Development  | \$0         | \$0 | \$62,499  |
| 46 | 2025-08-05-45 | University of Delaware | Master Research Agreement Amendment 23A  | \$0         | \$0 | \$95,617  |
| 47 | 2025-08-05-46 | University of Delaware | Master Research Agreement Amendment 24A  | \$0         | \$0 | \$47,810  |
| 48 | 2025-08-05-47 | University of Delaware | Fatigue as a Problem Factor for Self-Care in Adults with Heart Failure: An Exploratory Mixed Methods Study   | \$0         | \$0 | \$4,735   |
| 49 | 2025-08-05-48 | University of Delaware | Improving Sexual Wellness in People with SCI and their Partners: Developing the iManage-SCI Sexual Wellness-Partner Module   | \$0         | \$0 | \$269,950 |

|    |               |                        |   |             |     |           |
|----|---------------|------------------------|---|-------------|-----|-----------|
| 50 | 2025-08-05-49 | University of Delaware | Harvest Christian Academy Literacy Professional Learning and Coaching   | \$0         | \$0 | \$6,176   |
| 51 | 2025-08-05-50 | University of Delaware | Career: Multiscale Design Of Granular Hydrogels For Microbial Living Materials  | \$501,747   | \$0 | \$0       |
| 52 | 2025-08-05-51 | University of Delaware | Real World Gait Mechanics as a Potential Modifier of Strength Training for Improvements in Pain and Function in Knee Osteoarthritis                 | \$2,739,584 | \$0 | \$0       |
| 53 | 2025-08-05-52 | University of Delaware | NSF M3X PI Meeting 2026   | \$62,467    | \$0 | \$0       |
| 54 | 2025-08-05-53 | University of Delaware | Injury that Accelerates Aging: Long-term Balance Decline from Mild traumatic Brain Injury   | \$2,997,484 | \$0 | \$0       |
| 55 | 2025-08-05-54 | University of Delaware | Quantifying the Influence of Pathological Hemodynamics on Blood Brain Barrier Dysfunction and Neuronal Injury                                       | \$2,176,717 | \$0 | \$0       |
| 56 | 2025-08-05-55 | University of Delaware | Centering Blackness in Teacher Educate Institute  | \$0         | \$0 | \$25,000  |
| 57 | 2025-08-05-56 | University of Delaware | Nemours Selva Yasemin Kus Suppl   | \$0         | \$0 | \$36,899  |
| 58 | 2025-08-05-57 | University of Delaware | Career: Harnessing Colloidal Chemistry Towards Multifunctional P-Type Transparent Semiconductors  | \$568,918   | \$0 | \$0       |
| 59 | 2025-08-05-58 | University of Delaware | Career: Boron-Rich Clusters As Basic Elements In Biocompatible 3-Dimensional Star Polymer Material Design   | \$559,421   | \$0 | \$0       |
| 60 | 2025-08-05-59 | University of Delaware | PuzzleWalk 2.0: Advancing mobile health to promote brain training and physical activity for building cognitive reserve in adults with Down syndrome | \$0         | \$0 | \$101,558 |
| 61 | 2025-08-05-60 | University of Delaware | TISW Knotted Belly Bind Wearable  | \$0         | \$0 | \$4,200   |
| 62 | 2025-08-05-61 | University of Delaware | Are Interventions Supporting Physical Activity modified by the Environment (InSPACE)  | \$0         | \$0 | \$5,625   |
| 63 | 2025-08-05-62 | University of Delaware | Do Jugular Compression Collars Prevent TBI?   | \$0         | \$0 | \$499,677 |
| 64 | 2025-08-05-63 | University of Delaware | COSMIC : Closed-loop Sensing and Microdosing for Dry Eye and Systemic Disease Management  | \$0         | \$0 | \$58,259  |
| 65 | 2025-08-05-64 | University of Delaware | Faculty for the Future Program  | \$0         | \$0 | \$42,610  |
| 66 | 2025-08-05-65 | University of Delaware | Career: Enabling Next-Generation Structural Composites Through 3D Fiber Tethering Of Continuous Fiber Thermosets                                    | \$438,759   | \$0 | \$0       |
| 67 | 2025-08-05-66 | University of Delaware | Arthur C. Cope Scholar Recipient  | \$0         | \$0 | \$40,000  |
| 68 | 2025-08-05-67 | University of Delaware | Career: Data Enhanced Modelling of Magnetized Turbulence  | \$526,910   | \$0 | \$0       |

|    |               |                        |   |             |     |           |
|----|---------------|------------------------|---|-------------|-----|-----------|
| 69 | 2025-08-05-68 | University of Delaware | Career: Theoretical Study Of Phono-Magnonics In Van Der Waals Magnets   | \$422,974   | \$0 | \$0       |
| 70 | 2025-08-05-69 | University of Delaware | Perceptual Decision-Making as a Controllable Process  | \$321,579   | \$0 | \$0       |
| 71 | 2025-08-05-70 | University of Delaware | Magnonics meets Nonequilibrium Quantum Field Theory: Understanding Magnon Damping, Amplification and Apical Excitation via Schwinger-Keldysh Formalism                            | \$390,965   | \$0 | \$0       |
| 72 | 2025-08-05-71 | University of Delaware | Reinforcement-Learning Phenotypes as Mechanistic Predictors of Transdiagnostic Symptom Severity across Adolescence  | \$0         | \$0 | \$84,800  |
| 73 | 2025-08-05-72 | University of Delaware | Spinal Tissue Mechanics in Response to Manual Therapy   | \$0         | \$0 | \$47,693  |
| 74 | 2025-08-05-73 | University of Delaware | Doctoral Dissertation Research: Neurolinguistic Preparation for Speech Production   | \$11,555    | \$0 | \$0       |
| 75 | 2025-08-05-74 | University of Delaware | Benefits and Harms of Antihypertensive Management Strategies for Nursing Homes Residents with ADRD  | \$2,806,514 | \$0 | \$0       |
| 76 | 2025-08-05-75 | University of Delaware | Developing an Early Career Peer Mentoring Program   | \$0         | \$0 | \$50,000  |
| 77 | 2025-08-05-76 | University of Delaware | Myths, Misconceptions, and Omissions in the American Narrative: Using Library of Congress Resources to Compose a More Inclusive American Story                                    | \$67,897    | \$0 | \$0       |
| 78 | 2025-08-05-77 | University of Delaware | Postdoctoral Fellowship: OCE-PRF: Plastic Partnerships: Investigating Life History Strategies Constraining Phenotypic Plasticity Across Coral Holobiont Partners                  | \$245,688   | \$0 | \$0       |
| 79 | 2025-08-05-78 | University of Delaware | Radio America Production of Educational Audio and Video Features for the Center for Economic Education & Entrepreneurship   | \$0         | \$0 | \$66,536  |
| 80 | 2025-08-05-79 | University of Delaware | Sabbatical Grant: Politics in the Mind's Eye  | \$0         | \$0 | \$20,000  |
| 81 | 2025-08-05-80 | University of Delaware | Evaluating Self-Exploration as a Novel Rehabilitation Regime to Optimize Ankle-Foot Orthosis Use  | \$977,846   | \$0 | \$0       |
| 82 | 2025-08-05-81 | University of Delaware | Career: Excited-State Symmetry Breaking As A Sensitive Tool For Measuring Electric Fields In Solutions And At Interfaces  | \$529,205   | \$0 | \$0       |
| 83 | 2025-08-05-82 | University of Delaware | The role of TGFBI in Bone Metastasis Progression  | \$0         | \$0 | \$200,000 |
| 84 | 2025-08-05-83 | University of Delaware | Career: Unraveling Cascading Disaster Impacts From The Disruption Of Interdependent And Adaptive Social Roles   | \$400,483   | \$0 | \$0       |
| 85 | 2025-08-05-84 | University of Delaware | Career: Optically Active Ensemble Defects In Monolayer Semiconductors For Magnetic Quantum Sensing  | \$327,448   | \$0 | \$0       |
| 86 | 2025-08-05-85 | University of Delaware | Career: Magnetically Confined And Uv Promoted Plasma-Water Reactions In Micro/Nanobubble System: Toward Scalable Production Of Plasma-Derived Sanitizers For Food Processing Edit | \$366,625   | \$0 | \$0       |
| 87 | 2025-08-05-86 | University of Delaware | Career: Investigating Phenotypic Fluctuation During Ovarian Follicular Selection  | \$516,079   | \$0 | \$0       |

|     |                |                        |   |             |     |          |
|-----|----------------|------------------------|---|-------------|-----|----------|
| 88  | 2025-08-05-87  | University of Delaware | NSF Oceanographic Instrumentation CY25  | \$14,212    | \$0 | \$0      |
| 89  | 2025-08-05-88  | University of Delaware | Career: Evolution Of Pathogen Host Specificity And Host-Switching   | \$733,879   | \$0 | \$0      |
| 90  | 2025-08-05-89  | University of Delaware | Career: A Unified Framework For Understanding The Annual Frequency Of Global Tropical Cyclones  | \$403,564   | \$0 | \$0      |
| 91  | 2025-08-05-90  | University of Delaware | Career: Seeing Plants In Their True Light - Robotic Light-Field 3D Hyperspectral Imaging For Accurate In-Field Leaf Phenotyping                                 | \$526,284   | \$0 | \$0      |
| 92  | 2025-08-05-91  | University of Delaware | Collaborative Research: Design, Planning, and Control of Microbot Teams for Cell Manipulation   | \$178,782   | \$0 | \$0      |
| 93  | 2025-08-05-92  | University of Delaware | How is Sustainable Cotton Promoted on Social Media? Analyzing YouTube and Identifying the Content Gap on the Social Media Platform                              | \$0         | \$0 | \$27,430 |
| 94  | 2025-08-05-93  | University of Delaware | STTR Topic A25D-017: Mechanics and Control of Autonomous Legged Robotic Systems in Mud  | \$0         | \$0 | \$44,520 |
| 95  | 2025-08-05-94  | University of Delaware | Wave-Current-Vegetation Interactions in Coastal Ecosystems: A Novel Insight into Sediment and Nutrient Transport for Implications of Coastal Sustainability     | \$0         | \$0 | \$70,240 |
| 96  | 2025-08-05-95  | University of Delaware | Career: Modeling Emergent Long-Term Change From Momentary Dynamics  | \$753,758   | \$0 | \$0      |
| 97  | 2025-08-05-96  | University of Delaware | Career: Multi-Length Scale Patterning In Switchable Friction For Rendering New Textures In Surface Haptics  | \$441,721   | \$0 | \$0      |
| 98  | 2025-08-05-97  | University of Delaware | Career: Empowering Reflective News Consumption Through Personal Informatics And Language Model-Driven Interventions   | \$422,351   | \$0 | \$0      |
| 99  | 2025-08-05-98  | University of Delaware | A Hydrogel-Based Cellular Model of the Human Vocal Fold   | \$3,060,701 | \$0 | \$0      |
| 100 | 2025-08-05-99  | University of Delaware | HHS Core FY 26 Supplemental   | \$7,018     | \$0 | \$0      |
| 101 | 2025-08-05-100 | University of Delaware | Career: Smart Storms, Shared Benefits: Advancing A Participatory Socio-Hydrologic Framework For Decentralized Stormwater Management                             | \$457,093   | \$0 | \$0      |
| 102 | 2025-08-05-101 | University of Delaware | Career: Does Seasonal Amplification Reshape The Western Arctic Ocean As A Stronger Co2 Sink? A Hybrid Machine Learning And Process-Based Modeling Investigation | \$552,953   | \$0 | \$0      |
| 103 | 2025-08-05-102 | University of Delaware | Career: Novel Hydrodynamic Bio-Inspired Propulsion Using Swimmer Morphology   | \$455,476   | \$0 | \$0      |
| 104 | 2025-08-05-103 | University of Delaware | Examining Geographic Barriers to Activity after Total Knee Replacement  | \$0         | \$0 | \$1,000  |
| 105 | 2025-08-05-104 | University of Delaware | The Role of Sex and Hormonal Fluctuations on Tendon Health in Achilles Tendinopathy   | \$0         | \$0 | \$1,000  |
| 106 | 2025-08-05-105 | University of Delaware | CRDS Service Agreement with Town of Bowers  | \$0         | \$0 | \$19,794 |

|     |                |  |   |             |     |             |
|-----|----------------|--|---|-------------|-----|-------------|
| 107 | 2025-08-05-106 | University of Delaware                               | Examining Therapeutic Change Mechanisms in an Affect Regulation, Father-Focused Intervention for Reducing Family Violence and Associated Symptoms in Children | \$0         | \$0 | \$11,196    |
| 108 | 2025-08-05-107 | University of Delaware                               | Enhancing Immunotherapy of Mesothelin-Positive Acute Myeloid Leukemia Using Dual-Targeted Nanoparticles   | \$0         | \$0 | \$130,192   |
| 109 | 2025-08-05-108 | University of Delaware                               | Research Infrastructure: Smart Breeding Consortium--AI, Robotics & Data-Driven Platforms for Alabama Agriculture and Forestry                                 | \$0         | \$0 | \$536,563   |
| 110 | 2025-08-05-109 | University of Delaware                               | Comparing Two Treatments to Reduce Type 2 Diabetes Risk in Adults with Prediabetes  | \$0         | \$0 | \$4,416,565 |
| 111 | 2025-08-05-110 | University of Delaware                               | Sussex County Funding for FY26  | \$0         | \$0 | \$109,049   |
| 112 | 2025-08-05-111 | University of Delaware                               | Muscle Activation and Latency as Mechanisms for Age-Related Changes in Biomechanics   | \$110,782   | \$0 | \$0         |
| 113 | 2025-08-05-112 | University of Delaware                               | Josiah Macy Jr Foundation Faculty Scholars Program in Climate and Health  | \$0         | \$0 | \$249,924   |
| 114 | 2025-08-05-113 | University of Delaware                               | Human Discernment of AI-Generated Information   | \$0         | \$0 | \$50,106    |
| 115 | 2025-08-05-114 | University of Delaware                               | Engineering Precision Lymph Node Drug Delivery for Enhanced Immunotherapy   | \$0         | \$0 | \$130,000   |
| 116 | 2025-08-05-115 | University of Delaware                               | Novel Tools to Characterize OGT-XLID  | \$0         | \$0 | \$82,407    |
| 117 | 2025-08-05-116 | University of Delaware                               | Cell wall-derived PET radiotracers for specific imaging of bacteria in prosthetic joint infections  | \$0         | \$0 | \$550,000   |
| 118 | 2025-08-04-01  | Delaware State University                            | Promoting Resiliency in Farming Incorporating AI Driven Solutions and Farmer's Mental Health Conditions   | \$140,572   | \$0 | \$0         |
| 119 | 2025-08-04-02  | Delaware State University                            | Critical Sectors Job Quality Tier 1 Planning Grant  | \$15,000    | \$0 | \$0         |
| 120 | 2025-08-04-03  | Delaware State University                            | SuperMicro 8 x NVIDIA H200 NVL GPU High-Performance Computing Server for DSU's DNA & Data Science Core  | \$249,999   | \$0 | \$18,701    |
| 121 | 2025-08-04-04  | Delaware State University                            | Glandular Trichomes-Based Biomanufacturing of Artemisinin from Bioengineered and Wild-Type Embryogenic Suspensions and Calluses                               | \$355,475   | \$0 | \$0         |
| 122 | 2025-07-03-79  | City of Milford                                      | 10th Street Intersection  | \$3,179,583 | \$0 | \$0         |
| 123 | 2025-07-03-80  | Dover Kent County Metropolitan Planning Organization | US-13 Safety Study  | \$400,000   | \$0 | \$0         |
| 124 | 2025-07-15-01  | Child, Inc.  | Basic Center Grant  | \$757,437   | \$0 | \$0         |
| 125 | 2025-07-22-01  | Brandywine Counseling and Community Services, Inc.   | HEP-C Free  | \$5,000,000 | \$0 | \$0         |

|     |               |                                   |  |              |     |     |
|-----|---------------|-----------------------------------|--|--------------|-----|-----|
| 126 | 2025-07-25-01 | WestEd                            | Center for IDEA Fiscal Reporting at WestEd                     | \$20,700,000 | \$0 | \$0 |
| 127 | 2025-07-28-01 | Milford Advocacy for the Homeless | Equipment for Haven of Hope                                    | \$13,000     | \$0 | \$0 |
| 128 | 2025-07-29-01 | Child, Inc.                       | CHILD, Inc. Domestic Violence Community Health Workers Project | \$500,000    | \$0 | \$0 |

Created 8/6/2025

**Delaware State Clearinghouse Committee**  
**September Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**September 23, 2025 @ 10:00am**

| Item                        | SA#            | Applicant  | Project Title   | Federal     | State       | Other     | Federal | Positions State | Other |
|-----------------------------|----------------|--|---|-------------|-------------|-----------|---------|-----------------|-------|
| <b><u>New Business*</u></b> |                |  |   |             |             |           |         |                 |       |
| 1                           | 6810           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Parks and Recreation       | White Clay Creek Nature Center  | \$4,644,466 | \$4,644,466 | \$0       | 0.00    | 0.00            | 0.00  |
| 2                           | 6848           | Department of Safety and Homeland Security, State Police   | Community Oriented Policing Service - Safer Outcomes                  | \$425,446   | \$0         | \$0       | 0.00    | 0.00            | 0.00  |
| 3                           | 6892           | Department of Labor, Employment and Training Services  | Workforce Longitudinal Administrative Database                        | \$2,138,978 | \$0         | \$0       | 0.25    | 0.00            | 0.00  |
| 4                           | 6894           | Caesar Rodney School District  | Impact Aid Program  | \$56,182    | \$0         | \$0       | 0.00    | 0.00            | 0.00  |
| <b><u>Continued</u></b>     |                |  |   |             |             |           |         |                 |       |
| 1                           | 6901           | Executive, Criminal Justice, Criminal Justice Council  | Family Violence Prevention and Services Act                           | \$943,654   | \$11,859    | \$224,118 | 0.45    | 0.09            | 0.00  |
| 2                           | 6541 Amendment | Executive, Office of Management and Budget, Food Distribution  | State Administrative Expense Funds (FY25)                             | \$110,574   | \$0         | \$0       | 0.00    | 0.00            | 0.00  |
| 3                           | 6915           | Executive, Office of Management and Budget, Food Distribution  | State Administrative Expense Funds                                    | \$213,091   | \$0         | \$0       | 0.60    | 0.00            | 0.00  |
| 4                           | 6916           | Executive, Office of Management and Budget, Food Distribution  | The Emergency Food Assistance Program                                 | \$223,121   | \$221,516   | \$0       | 1.40    | 2.60            | 0.00  |
| 5                           | 6917           | Executive, Office of Management and Budget, Food Distribution  | Commodity Supplemental Food Program                                   | \$130,903   | \$0         | \$0       | 0.00    | 0.00            | 0.00  |
| 6                           | 6823           | Legal, Department of Justice   | Medicaid Fraud Control Unit   | \$2,551,485 | \$850,495   | \$0       | 14.25   | 4.75            | 0.00  |
| 7                           | 6868           | Legal, Department of Justice   | High Intensity Drug Trafficking Areas Program                         | \$80,000    | \$0         | \$0       | 0.00    | 0.00            | 0.00  |
| 8                           | 6740 Amendment | Department of State, Libraries   | Library Services and Technology Act                                   | \$697,556   | \$359,347   | \$0       | 7.00    | 4.05            | 0.00  |
| 9                           | 6889           | Department of State, Historical and Cultural Affairs, Office of the Director                                       | Historic Preservation Grant-in-Aid                                    | \$668,277   | \$400,966   | \$44,552  | 5.40    | 3.50            | 0.00  |
| 10                          | 6405 Amendment | Department of Health and Social Services, Public Health, Community Health  | Special Supplement Nutrition Program for Women, Infants, and Children | \$4,018,203 | \$0         | \$0       | 0.00    | 0.00            | 0.00  |
| 11                          | 6689           | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration | Innovations in Nutrition Program and Services                         | \$149,544   | \$49,848    | \$0       | 0.00    | 0.00            | 0.00  |
| 12                          | 6758           | Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health               | Community Mental Health Block Grant                                   | \$2,119,808 | \$0         | \$0       | 1.30    | 0.00            | 0.00  |
| 13                          | 6760           | Department of Health and Social Services, Substance Abuse and Mental Health  | Substance Use Prevention, Treatment and Recovery Services             | \$7,528,736 | \$0         | \$0       | 3.90    | 0.00            | 0.00  |
| 14                          | 6845           | Department of Health and Social Services, Social Services, State Service Centers                                   | AmeriCorps State Formula Fixed Amount                                 | \$1,286,964 | \$0         | \$0       | 0.00    | 0.00            | 0.00  |
| 15                          | 6858           | Department of Health and Social Services, Visually Impaired Services   | Vocational Rehabilitation- Blind (Basic Support)                      | \$1,650,247 | \$456,500   | \$0       | 16.00   | 1.42            | 0.00  |
| 16                          | 6859           | Department of Health and Social Services, Visually Impaired Services   | Supported Employment Services – A                                     | \$21,000    | \$0         | \$0       | 0.00    | 0.00            | 0.00  |
| 17                          | 6860           | Department of Health and Social Services, Visually Impaired Services   | Supported Employment Services – B                                     | \$21,000    | \$2,333     | \$0       | 0.00    | 0.00            | 0.00  |

|    |                |  |  |              |              |             |       |       |       |
|----|----------------|--|--|--------------|--------------|-------------|-------|-------|-------|
| 18 | 6861           | Department of Health and Social Services, Visually Impaired Services   | Independent Living Services for Older Blind Individuals                    | \$225,000    | \$266,487    | \$0         | 1.75  | 3.00  | 0.00  |
| 19 | 6867           | Department of Health and Social Services, State Service Centers  | Community Services Block Grant   | \$4,215,971  | \$120,059    | \$0         | 2.52  | 1.48  | 0.00  |
| 20 | 6821           | Department of Health and Social Services, Public Health, Community Health  | Maternal and Child Heath Services  | \$2,123,731  | \$13,881,606 | \$0         | 13.35 | 38.00 | 0.00  |
| 21 | 6836           | Department of Health and Social Services, Public Health, Community Health  | State Lead-Based Paint Program   | \$342,130    | \$0          | \$0         | 1.50  | 0.00  | 0.00  |
| 22 | 6920           | Department of Health and Social Services, Public Health, Community Health  | Pediatric Mental Health Care Access Program                                | \$1,557,031  | \$315,406    | \$0         | 0.00  | 0.00  | 0.00  |
| 23 | 6826           | Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment                     | Title IV-B, Subpart 1 - Child Welfare Services                             | \$835,669    | \$279,392    | \$0         | 3.00  | 0.00  | 0.00  |
| 24 | 6891           | Department of Services for Children, Youth and Their Families, Management Support Services, Office of the Secretary        | Title IV-E Foster Care   | \$6,872,055  | \$6,997,055  | \$0         | 0.00  | 0.00  | 0.00  |
| 25 | 6893           | Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment                     | Title IV-E Adoption Assistance   | \$5,320,915  | \$5,320,915  | \$0         | 0.00  | 0.00  | 0.00  |
| 26 | 6726 Amendment | Department of Natural Resources and Environmental Control, Office of Environmental Protection; Climate, Coastal and Energy | State Energy Program   | \$244,886    | \$0          | \$0         | -1.00 | 0.00  | 0.00  |
| 27 | 6818           | Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance                  | Drinking Water State Revolving Fund - IIJA                                 | \$10,935,000 | \$2,187,000  | \$0         | 0.00  | 0.00  | 0.00  |
| 28 | 6837           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife                  | Technical Assistance for Non-Tidal Fisheries                               | \$239,910    | \$79,970     | \$0         | 0.34  | 0.16  | 0.00  |
| 29 | 6843           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship              | Beaches Environmental Assessment and Coastal Health Act                    | \$210,000    | \$0          | \$0         | 0.00  | 0.00  | 0.00  |
| 30 | 6844           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife                  | Amphibian and Reptile Monitoring and Protection                            | \$789,620    | \$425,180    | \$0         | 0.00  | 0.06  | 0.00  |
| 31 | 6865           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife                  | Raptor, Grassland, and Forest Bird Conservation                            | \$885,465    | \$295,155    | \$0         | 0.00  | 0.06  | 0.00  |
| 32 | 2025-06-27-01  | Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency                  | Radiological Emergency Preparedness Program                                | \$0          | \$0          | \$1,499,079 | 0.00  | 0.00  | 10.70 |
| 33 | 6847           | Department of Safety and Homeland Security, State Police   | Community Oriented Policing Service - Anti-Heroin Task Force Program       | \$780,938    | \$0          | \$0         | 0.00  | 0.00  | 0.00  |
| 34 | 6849           | Department of Safety and Homeland Security, Office of the Secretary, Highway Safety  | Section 154 Sanction Grant - IIJA  | \$1,457,853  | \$0          | \$0         | 0.00  | 0.00  | 0.00  |
| 35 | 6850           | Department of Safety and Homeland Security, Office of the Secretary, Highway Safety  | Section 405(h) Preventing Roadside Deaths Safety Incentive Grant - IIJA    | \$44,928     | \$0          | \$0         | 0.00  | 0.00  | 0.00  |
| 36 | 6851           | Department of Safety and Homeland Security, Office of the Secretary, Highway Safety  | Section 405(g) Non-Motorized Incentive Grant - IIJA                        | \$265,081    | \$0          | \$0         | 0.00  | 0.00  | 0.00  |
| 37 | 6852           | Department of Safety and Homeland Security, Office of the Secretary, Highway Safety  | Section 405(f) Motorcycle Safety Grant - IIJA                              | \$47,693     | \$0          | \$0         | 0.00  | 0.00  | 0.00  |
| 38 | 6853           | Department of Safety and Homeland Security, Office of the Secretary, Highway Safety  | Section 405(e) Distracted Driving Grant - IIJA                             | \$257,053    | \$0          | \$0         | 0.00  | 0.00  | 0.00  |
| 39 | 6854           | Department of Safety and Homeland Security, Office of the Secretary, Highway Safety  | Section 405(d) Impaired Driving Countermeasures Grant - IIJA               | \$1,584,327  | \$0          | \$0         | 1.00  | 0.00  | 0.00  |
| 40 | 6855           | Department of Safety and Homeland Security, Office of the Secretary, Highway Safety  | Section 405(c) Traffic Safety Information System Improvements Grant - IIJA | \$412,777    | \$0          | \$0         | 1.00  | 0.00  | 0.00  |
| 41 | 6856           | Department of Safety and Homeland Security, Office of the Secretary, Highway Safety  | Section 405(b) Occupant Protection Incentive Grant - IIJA                  | \$384,472    | \$0          | \$0         | 1.00  | 0.00  | 0.00  |
| 42 | 6857           | Department of Safety and Homeland Security, Office of the Secretary, Highway Safety  | Section 402 Planning and Administration Grant - IIJA                       | \$2,867,025  | \$261,831    | \$0         | 5.00  | 2.00  | 0.00  |
| 43 | 6873           | Department of Safety and Homeland Security, Office of the Secretary, Developmental Disabilities Council                    | Developmental Disabilities Council   | \$526,312    | \$129,200    | \$80,000    | 3.00  | 1.00  | 0.00  |

|    |      |   |   |              |             |     |       |       |      |
|----|------|---|---|--------------|-------------|-----|-------|-------|------|
| 44 | 6876 | Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency         | Hazard Materials Emergency Planning                             | \$567,019    | \$141,755   | \$0 | 0.10  | 0.54  | 0.00 |
| 45 | 6846 | Department of Transportation, Division of Motor Vehicles  | Commercial Driver's License Program Implementation              | \$1,744,197  | \$0         | \$0 | 0.00  | 0.00  | 0.00 |
| 46 | 6794 | Department of Labor, Administration, Office of Occupational and Labor Market Information                          | Labor Market Information  | \$574,894    | \$0         | \$0 | 6.50  | 0.00  | 0.00 |
| 47 | 6838 | Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services                                | Vocational Rehabilitation Services                              | \$12,076,795 | \$3,315,477 | \$0 | 76.50 | 0.00  | 0.00 |
| 48 | 6839 | Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services                                | Supported Employment Services                                   | \$258,000    | \$38,100    | \$0 | 0.00  | 0.00  | 0.00 |
| 49 | 6842 | Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services                                | Independent Living Services                                     | \$348,060    | \$38,673    | \$0 | 1.00  | 0.00  | 0.00 |
| 50 | 6864 | Department of Labor, Vocational Rehabilitation, Disability Determination Services                                 | Disability Determination Service                                | \$8,783,562  | \$0         | \$0 | 53.00 | 0.00  | 0.00 |
| 51 | 6872 | Department of Labor, Employment and Training, Employment and Training Services                                    | Work Opportunity Tax Credit                                     | \$43,879     | \$0         | \$0 | 1.00  | 0.00  | 0.00 |
| 52 | 6886 | Department of Labor, Industrial Affairs, Anti-Discrimination  | Equal Employment Opportunity Commission                         | \$373,500    | \$0         | \$0 | 3.00  | 0.00  | 0.00 |
| 53 | 6887 | Department of Labor, Employment and Training, Employment and Training Services                                    | State Apprenticeship Expansion                                  | \$418,450    | \$0         | \$0 | 0.51  | 0.00  | 0.00 |
| 54 | 6888 | Department of Labor, Industrial Affairs, Occupational Safety and Health Administration/Bureau of Labor Statistics | Occupational Safety and Health - Statistics                     | \$85,000     | \$85,000    | \$0 | 1.00  | 1.00  | 0.00 |
| 55 | 6902 | Department of Labor, Industrial Affairs, Occupational Safety and Health Administration/Bureau of Labor Statistics | Occupational Safety and Health - Consultation                   | \$581,000    | \$64,222    | \$0 | 5.50  | 0.50  | 0.00 |
| 56 | 6863 | Department of Agriculture, Administration   | Specialty Crop Block Grant                                      | \$340,000    | \$0         | \$0 | 0.00  | 0.00  | 0.00 |
| 57 | 6803 | Delaware National Guard   | Air Guard Operations and Maintenance Agreement                  | \$7,856,396  | \$707,553   | \$0 | 44.00 | 4.00  | 0.00 |
| 58 | 6804 | Delaware National Guard   | Army National Guard Environmental Resource Management Agreement | \$721,634    | \$0         | \$0 | 4.00  | 0.00  | 0.00 |
| 59 | 6805 | Delaware National Guard   | Air National Guard Security Guard Agreement                     | \$2,569,700  | \$0         | \$0 | 25.00 | 0.00  | 0.00 |
| 60 | 6806 | Delaware National Guard   | Army National Guard Operations and Maintenance Agreement        | \$18,955,784 | \$6,559,037 | \$0 | 25.50 | 10.50 | 0.00 |
| 61 | 6866 | Department of Education, Operations Support   | Lead Testing in School and Child Care Program                   | \$142,000    | \$0         | \$0 | 0.00  | 0.00  | 0.00 |

#### Higher Education

|   |               |                        |   |           |     |           |
|---|---------------|------------------------|---|-----------|-----|-----------|
| 1 | 2025-08-29-01 | University of Delaware | Active Dynamic Adjustment of Pathways in Real-Time (ADAPT) to Coopt Existing Biomanufacturing Capacity for Department of Defense Critical Molecules | \$0       | \$0 | \$60,000  |
| 2 | 2025-08-29-02 | University of Delaware | Collaborative Research: NRI: INT: Cooperative Underwater Structure Inspection and Mapping   | \$19,117  | \$0 | \$0       |
| 3 | 2025-08-29-03 | University of Delaware | Detailed Cell Mechanical Analysis - Temperature Effect  | \$0       | \$0 | \$32,694  |
| 4 | 2025-08-29-04 | University of Delaware | Master Research Agreement   | \$0       | \$0 | \$48,161  |
| 5 | 2025-08-29-05 | University of Delaware | RED WAGON FOUNDATION - Debris-Free Waters, Thriving Communities: The Delaware Derelict Crab Pot Removal and Prevention Program                      | \$0       | \$0 | \$111,951 |
| 6 | 2025-08-29-06 | University of Delaware | Advanced Interface Design via Interpenetrating Polymer Network Engineering for High Performance Continuous Fiber Printing                           | \$0       | \$0 | \$37,500  |
| 7 | 2025-08-29-07 | University of Delaware | Cognitive and Neural Representations of Visual Scenes   | \$442,945 | \$0 | \$0       |

|    |               |                        |  |             |     |           |
|----|---------------|------------------------|--|-------------|-----|-----------|
| 8  | 2025-08-29-08 | University of Delaware | Alternating-Potential Electrosynthesis Flow Reactors for Carboxylic Acid Coupling  | \$197,054   | \$0 | \$0       |
| 9  | 2025-08-29-09 | University of Delaware | Acquisition of Goods and Services  | \$14,545    | \$0 | \$0       |
| 10 | 2025-08-29-10 | University of Delaware | Characterization of Eye Pathology Associated with the Understudied Protein TDRD7 Linked to a Human Syndrome                              | \$100,000   | \$0 | \$0       |
| 11 | 2025-08-29-11 | University of Delaware | Diagnostic Services Per Task Orders Related to IDIQ FAD  | \$2,000     | \$0 | \$0       |
| 12 | 2025-08-29-12 | University of Delaware | Comparing Osteoarthritic Knee Structure-Function Outcomes Between Two Mouse Injury Models  | \$167,353   | \$0 | \$0       |
| 13 | 2025-08-29-13 | University of Delaware | Search and Documentation In the Marshall Islands 25-1MH  | \$0         | \$0 | \$279,652 |
| 14 | 2025-08-29-14 | University of Delaware | Evaluation of The Degradation of Reconfigurable Photonic Integrated Circuits in Space Microgravity and Radiation Environments            | \$95,238    | \$0 | \$0       |
| 15 | 2025-08-29-15 | University of Delaware | High Throughput Osteoarthritis Drug Screening Using Click Chemistry  | \$110,475   | \$0 | \$0       |
| 16 | 2025-08-29-16 | University of Delaware | Investigating the Role of miR-27a-3p in the WNT Signaling Pathway and Chemoresistance in Colorectal Cancer Stem Cells                    | \$107,252   | \$0 | \$0       |
| 17 | 2025-08-29-17 | University of Delaware | Tuning the RNA Cargo in MSC-Derived Extracellular Vesicles via Mechanochemical Priming - Implication for Vocal Fold Repair               | \$160,878   | \$0 | \$0       |
| 18 | 2025-08-29-18 | University of Delaware | Supplement to Relaxation, Intermittency and Dissipation in Collisionless Plasma  | \$127,260   | \$0 | \$0       |
| 19 | 2025-08-29-19 | University of Delaware | Unlocking High-Volume Manufacturing of Advanced Composite UAS Parts  | \$0         | \$0 | \$19,375  |
| 20 | 2025-08-29-20 | University of Delaware | Subcellular Transport of RNAs During Mitosis   | \$160,878   | \$0 | \$0       |
| 21 | 2025-08-29-21 | University of Delaware | The <i>C. Elegans</i> Nucleosome Remodeler NURF-1 is Required for Gamete Quality   | \$160,878   | \$0 | \$0       |
| 22 | 2025-08-29-22 | University of Delaware | Supporting Quality Use of Research Evidence Across Contexts  | \$0         | \$0 | \$43,478  |
| 23 | 2025-08-29-23 | University of Delaware | QLCI: Q-SEnSE: Quantum Systems Through Entangled Science and Engineering   | \$0         | \$0 | \$610,890 |
| 24 | 2025-08-29-24 | University of Delaware | Box Tree Moth Phenology in Delaware Landscapes   | \$20,818    | \$0 | \$0       |
| 25 | 2025-08-29-25 | University of Delaware | Biomolecular Interaction Technologies Fiscal Year 2026   | \$0         | \$0 | \$14,200  |
| 26 | 2025-08-29-26 | University of Delaware | III: Small: Theoretical Foundations of Hypergraph Learning: Expressiveness and Sample Complexity   | \$382,509   | \$0 | \$0       |
| 27 | 2025-08-29-27 | University of Delaware | Collaborative Research: RAPID: Study of the April 2025 Eruption at 9 50 N EPR: Fluid Pathways, Crustal Permeability, and Plume Evolution | \$6,235     | \$0 | \$0       |
| 28 | 2025-08-29-28 | University of Delaware | Application of a Low-Cost, Automated Habitat Mapping System to the Hudson River  | \$0         | \$0 | \$227,547 |
| 29 | 2025-08-29-29 | University of Delaware | Host a NOAA Ocean Exploration Exploring the Deep Ocean with NOAA Professional Development Workshop                                       | \$0         | \$0 | \$5,529   |
| 30 | 2025-08-29-30 | University of Delaware | AI-Driven Design and Rapid Manufacturing of Crash-Resistant Unibody Drone Frames for Air Force and Dual-Use Applications                 | \$0         | \$0 | \$21,875  |
| 31 | 2025-08-29-31 | University of Delaware | Mechanisms of Neural Crest Development and Craniofacial Disorders  | \$2,276,281 | \$0 | \$0       |
| 32 | 2025-08-29-32 | University of Delaware | Obesity Induced Endothelial Dysfunction via a CD36/Glycocalyx/Kir2.1 Axis  | \$110,782   | \$0 | \$0       |
| 33 | 2025-08-29-33 | University of Delaware | Neural Mechanisms of Speech Motor Inhibition in Stuttering   | \$110,782   | \$0 | \$0       |

|    |               |                        |  |             |     |             |
|----|---------------|------------------------|--|-------------|-----|-------------|
| 34 | 2025-08-29-34 | University of Delaware | UD 4-H ALA Mini Grant  | \$0         | \$0 | \$20,000    |
| 35 | 2025-08-29-35 | University of Delaware | Differential Effects of Live Versus Heat-Inactivated Probiotics on Embryonic and Fetal Development in Chicken Embryo and Translational Mouse Models of Gestational Diabetes Mellitus                   | \$2,375,000 | \$0 | \$0         |
| 36 | 2025-08-29-36 | University of Delaware | UrMES Demonstration of Munitions Migration and Burial at Munitions Response Sites  | \$2,489,022 | \$0 | \$0         |
| 37 | 2025-08-29-37 | University of Delaware | Using Longitudinal Research to Engage Youth in the HIV Prevention and Care Continua and Reduce HIV/AIDS-Related Disparities  | \$0         | \$0 | \$36,363    |
| 38 | 2025-08-29-38 | University of Delaware | Impact of Pregnancy Outcomes on Daily Stress and Implications For Vascular Aging   | \$241,008   | \$0 | \$0         |
| 39 | 2025-08-29-39 | University of Delaware | Membrane-Modified Lipid Nanoparticles for Targeted Ribonucleic Acid Delivery   | \$275,000   | \$0 | \$0         |
| 40 | 2025-08-29-40 | University of Delaware | Maximizing Partnerships to Expand Postsecondary Education Opportunities in Delaware  | \$2,314,819 | \$0 | \$0         |
| 41 | 2025-08-29-41 | University of Delaware | Predictive Turbulent Mix Model for Magnetized ICF Implosions   | \$0         | \$0 | \$150,068   |
| 42 | 2025-08-29-42 | University of Delaware | Collaborative Research: Unraveling Submesoscale, Langmuir Turbulence, and Internal Wave Dynamics in Shallow Coastal River Plumes   | \$326,442   | \$0 | \$0         |
| 43 | 2025-08-29-43 | University of Delaware | Casting Beyond Your Comfort Zone: A Multifaceted, MultiAudience Approach to Increasing Fishing in Delaware   | \$468,886   | \$0 | \$0         |
| 44 | 2025-08-29-44 | University of Delaware | Controls on Remote Pacific Ocean Aerosol Iron Solubility: The Importance of Aerosol Source and Organic Aerosol Composition   | \$627,411   | \$0 | \$0         |
| 45 | 2025-08-29-45 | University of Delaware | Computational Modeling of Droplet Transport on Textured and Liquid-Infused Fibers: Enabling Rational Design of Fiber Materials for Filtration and Separation Applications                              | \$301,821   | \$0 | \$0         |
| 46 | 2025-08-29-46 | University of Delaware | Novel Neuroimmune Modulatory Biomaterials for the Treatment of Various Neonatal Brain Injuries   | \$0         | \$0 | \$2,033,885 |
| 47 | 2025-08-29-47 | University of Delaware | Collaborative Research: ZOOQUAL - Fine-Scale Spatial Dynamics of Zooplankton Nutritional Quality and its Influence on Predator Foraging in the Gulf of Maine   | \$190,679   | \$0 | \$0         |
| 48 | 2025-08-29-48 | University of Delaware | VINES: Track1: iCabNet: Next-generation Wireless Network for Smart Vehicle Cabin   | \$215,505   | \$0 | \$0         |
| 49 | 2025-08-29-49 | University of Delaware | Blood Pressure Regulation in Women Using a Hormonal Intrauterine Device  | \$0         | \$0 | \$70,676    |
| 50 | 2025-08-29-50 | University of Delaware | Comprehensive Operational Analysis and Simulation Tool for eXtreme Events (COAST-X): A Semi-Operational Coastal Modelling System for Comprehensive Flood Risk Management During Extreme Weather Events | \$723,753   | \$0 | \$0         |
| 51 | 2025-08-29-51 | University of Delaware | What Was Lost? SNAP-Ed Efforts in Early Care and Education Settings  | \$0         | \$0 | \$6,956     |
| 52 | 2025-08-29-52 | University of Delaware | Continued Integrated Approaches to Manage Phytophthora Fruit Rot of Watermelon Caused by Phytophthora capsici  | \$0         | \$0 | \$19,278    |
| 53 | 2025-08-29-53 | University of Delaware | MURI: Engineering Biological Systems That Cleave C-C Bonds in Performance-Stable Polymer Backbones   | \$0         | \$0 | \$753,450   |
| 54 | 2025-08-29-54 | University of Delaware | REU Site: Dare to BE FIRST - Biomechanical Engineering Foundations in Impactful Research, Science & Technology   | \$381,307   | \$0 | \$0         |
| 55 | 2025-08-29-55 | University of Delaware | Collaborative Research: Prognostics of Degradation Modes for Closed-Loop Manufacturing Process Optimization of Electrochemical Systems   | \$111,239   | \$0 | \$0         |
| 56 | 2025-08-29-56 | University of Delaware | De Nora AEM Electrolyzer Testing Project   | \$0         | \$0 | \$15,455    |
| 57 | 2025-08-29-57 | University of Delaware | Investigating the Influence of Microplastics on Protein Structure in Parkinson's Disease   | \$0         | \$0 | \$276,016   |
| 58 | 2025-08-29-58 | University of Delaware | MURI SMART: Space-Time Metamaterials with Active and Reconfigurable Time Modulation  | \$0         | \$0 | \$810,008   |
| 59 | 2025-08-29-59 | University of Delaware | MURI: Curved Propagation of Spatiotemporally Structured Electromagnetic Fields   | \$0         | \$0 | \$780,991   |

|    |                         |                           |   |             |     |           |
|----|-------------------------|---------------------------|---|-------------|-----|-----------|
| 60 | 2025-08-29-60           | University of Delaware    | Addressing Lima Bean Diseases Through Cultivar Resistance And No-Till Planting  | \$197,451   | \$0 | \$0       |
| 61 | 2025-08-29-61           | University of Delaware    | Impact of Pregnancy Outcomes on Daily Stress and Implications for Vascular Aging  | \$0         | \$0 | \$159,160 |
| 62 | 2025-08-29-62           | University of Delaware    | VINES: Track 1: Enabling Cell-Free MIMO Wireless Networks with RF-Photonics: A Unified Platform for Communication and Sensing           | \$895,656   | \$0 | \$0       |
| 63 | 2025-08-29-63           | University of Delaware    | DIEEC NEW DIRECTIONS EARLY HEAD START SUPPLEMENTAL NUTRITION AND HEALTHY EATING   | \$75,009    | \$0 | \$0       |
| 64 | 2025-08-29-64           | University of Delaware    | FCC NDBEDP National Deaf-Blind Equipment Distribution Program   | \$60,197    | \$0 | \$0       |
| 65 | 2025-08-29-65           | University of Delaware    | The Role of Proprioception, Motor Function and Working Memory on Complex Movements After Stroke   | \$0         | \$0 | \$70,676  |
| 66 | 2025-08-29-66           | University of Delaware    | Discovering and Protecting Mediterranean White Sharks   | \$0         | \$0 | \$45,282  |
| 67 | 2025-08-29-67           | University of Delaware    | Advancing Hand-Held Laser Induced Breakdown Spectroscopy (LIBS) for Determining Provenance and Identity of Traded and Trafficked Timber | \$357,724   | \$0 | \$0       |
| 68 | 2025-08-29-68           | University of Delaware    | Glucose Variability and Vascular Function   | \$0         | \$0 | \$70,676  |
| 69 | 2021-12-04-10 Amendment | Delaware State University | A1 Emerging Technologies in Agriculture   | \$28,117    | \$0 | \$0       |
| 70 | 2021-11-06-01 Amendment | Delaware State University | IHER PILOT: Promoting Non - Violent Behaviors Among Youth in Underserved Communities: A Community Driven, Evidenced Based Approach      | \$100,000   | \$0 | \$0       |
| 71 | 2025-09-05-01           | Delaware State University | INBRE V (Federal)   | \$2,887,118 | \$0 | \$0       |
| 72 | 2025-09-05-02           | Delaware State University | Acquisition of Goods and Services   | \$41,800    | \$0 | \$0       |
| 73 | 2021-11-06-01 Amendment | Delaware State University | Characterizing Respiratory Failure in Spinal Muscular Atrophy (IHER Pilot-Lawal)  | \$48,170    | \$0 | \$0       |
| 74 | 2025-09-05-03           | Delaware State University | UCLA-MSI Strengthening Partnerships for Innovative Neuroscience Experiences (UM-SPINE)  | \$40,956    | \$0 | \$0       |
| 75 | 2025-09-05-04           | Delaware State University | 1890 HBCUs Efforts To Promote the Use of Plastic Mulch and Intercropping System to Improve Soil Health and Crop Production in Nigeria   | \$100,000   | \$0 | \$0       |
| 76 | 2025-09-05-05           | Delaware State University | Federal Work Study (FWS)  | \$286,916   | \$0 | \$0       |
| 77 | 2025-09-05-06           | Delaware State University | Promoting Resiliency in Farming Incorporating AI Driven Solutions and Farmers' Mental Health Considerations                             | \$140,572   | \$0 | \$0       |

Created 9/9/2025

**Delaware State Clearinghouse Committee**  
**Revised October Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**October 21, 2025 @ 10:00am**

| Item                 | SAI#           | Applicant  | Project Title   | Federal     | Funding State | Other       | Federal | Positions State | Other |
|----------------------|----------------|--|---|-------------|---------------|-------------|---------|-----------------|-------|
| <b>New Business*</b> |                |  |   |             |               |             |         |                 |       |
| 1                    | 6924           | Department of Health and Social Services, Division of Substance Abuse and Mental Health, Substance Abuse                               | Substance Abuse and Mental Health Projects of Regional and National Significance            | \$1,983,372 | \$0           | \$0         | 0.00    | 0.00            | 0.00  |
| 2                    | 5402 Amendment | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances          | Support Agency Cooperative Agreement – Preliminary Assessment/Site Inspection – Switch Fund | \$463,727   | \$0           | \$0         | 0.90    | 0.00            | 0.00  |
| 3                    | 6909           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife                              | Atlantic Flyway Cooperative Research  | \$164,802   | \$41,122      | \$13,812    | 0.00    | 0.00            | 0.00  |
| 4                    | 6913           | Department of Transportation, Office of the Secretary, Finance Division  | Section 5307 Operating Assistance - Kent County   | \$3,583,179 | \$0           | \$3,583,179 | 0.00    | 0.00            | 0.00  |
| 5                    | 6871           | Delaware National Guard  | Dagsboro Readiness Center (MILCON)  | \$8,144,150 | \$2,716,050   | \$0         | 0.00    | 0.00            | 0.00  |
| 6                    | 2025-08-22-01  | Caesar Rodney School District  | Vulcan Equipment Grant - School Nutrition Foundation  | \$0         | \$0           | \$51,669    | 0.00    | 0.00            | 0.00  |
| <b>Continued</b>     |                |  |   |             |               |             |         |                 |       |
| 1                    | 2025-08-14-01  | Executive, Delaware State Housing Authority  | Recovery Housing Program  | \$1,430,099 | \$0           | \$0         | 0.33    | 0.00            | 0.00  |
| 2                    | 6879           | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/ Community Services | Title III, Part C-2 – Home Delivered Meals  | \$1,862,594 | \$465,649     | \$0         | 0.00    | 0.00            | 0.00  |
| 3                    | 6880           | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/ Community Services | Title III Disease Prevention and Health Promotion Services                                  | \$130,378   | \$0           | \$0         | 0.00    | 0.00            | 0.00  |
| 4                    | 6882           | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/ Community Services | Title III, Part E – National Family Caregivers Support                                      | \$960,345   | \$240,086     | \$0         | 4.00    | 0.00            | 0.00  |
| 5                    | 6883           | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/ Community Services | Title VII Ombudsman Activity  | \$108,331   | \$0           | \$0         | 0.00    | 0.00            | 0.00  |
| 6                    | 6884           | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/ Community Services | Title VII Elder Abuse Prevention  | \$23,626    | \$0           | \$0         | 0.00    | 0.00            | 0.00  |
| 7                    | 6885           | Department of Health and Social Services, Services for Aging & Adults with Physical Disabilities, Administration/Community Services    | Nutrition Services Incentive Plan   | \$291,898   | \$0           | \$0         | 0.00    | 0.00            | 0.00  |
| 8                    | 6923           | Department of Health and Social Services, Division of Substance Abuse and Mental Health, Community Mental Health                       | Center for Mental Health Block Grant  | \$167,611   | \$0           | \$0         | 0.00    | 0.00            | 0.00  |
| 9                    | 6874           | Department of Health and Social Services, Division of Services for Aging and Adults with Physical Disabilities                         | Adult Protective Services Omnibus Formula Grants to States                                  | \$102,420   | \$0           | \$0         | 0.00    | 0.00            | 0.00  |
| 10                   | 6877           | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services  | Title III B Supportive Services   | \$2,029,499 | \$1,177,248   | \$0         | 11.75   | 13.25           | 0.00  |
| 11                   | 6878           | Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services  | Title III C-1 Congregate Meals  | \$2,764,181 | \$1,306,661   | \$0         | 3.25    | 5.75            | 0.00  |
| 12                   | 6942           | Department of Health and Social Services, Division of Health Care Quality  | Centers for Medicare and Medicaid Services Survey and Certification - Medicaid (FY25)       | \$1,731,722 | \$702,091     | \$0         | 7.00    | 5.00            | 0.00  |
| 13                   | 6943           | Department of Health and Social Services, Division of Health Care Quality  | Centers for Medicare & Medicaid Services Survey and Certification – Hospice (FY25)          | \$21,529    | \$0           | \$0         | 0.06    | 0.00            | 0.00  |
| 14                   | 6944           | Department of Health and Social Services, Division of Health Care Quality  | Centers for Medicare and Medicaid Services Survey and Certification - Long Term Care (FY25) | \$1,168,301 | \$0           | \$0         | 8.00    | 0.00            | 0.00  |

|    |                |   |  |              |             |             |       |       |       |
|----|----------------|---|--|--------------|-------------|-------------|-------|-------|-------|
| 15 | 6945           | Department of Health and Social Services, Division of Health Care Quality                                     | Centers for Medicare and Medicaid Services Survey and Certification - Long Term Care | \$1,168,301  | \$0         | \$0         | 8.00  | 0.00  | 0.00  |
| 16 | 6946           | Department of Health and Social Services, Division of Health Care Quality                                     | Centers for Medicare & Medicaid Services Survey and Certification – Hospice          | \$21,529     | \$0         | \$0         | 0.06  | 0.00  | 0.00  |
| 17 | 6947           | Department of Health and Social Services, Division of Health Care Quality                                     | Centers for Medicare and Medicaid Services Survey and Certification - Medicaid       | \$1,731,722  | \$702,091   | \$0         | 7.00  | 5.00  | 0.00  |
| 18 | 6862           | Department of Health and Social Services, State Service Centers   | Access and Visitation Program  | \$100,000    | \$0         | \$0         | 0.00  | 0.00  | 0.00  |
| 19 | 5579 Amendment | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife     | Aquatic Resources Education Program  | \$575,355    | \$191,785   | \$0         | 1.35  | 0.65  | 0.00  |
| 20 | 6827           | Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance     | Drinking Water State Revolving Fund Emerging Contaminants -IIJA                      | \$7,857,000  | \$0         | \$0         | 1.50  | 0.00  | 0.00  |
| 21 | 6828           | Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance     | Drinking Water State Revolving Fund Supplemental - IIJA                              | \$24,898,000 | \$4,979,600 | \$0         | 28.50 | 0.00  | 0.00  |
| 22 | 6904           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship | National Dam Safety Program  | \$53,297     | \$0         | \$0         | 0.00  | 0.00  | 0.00  |
| 23 | 6907           | Department of Natural Resources and Environmental Control, Watershed Stewardship                              | Community Assistance Program   | \$135,892    | \$33,976    | \$0         | 0.80  | 0.20  | 0.00  |
| 24 | 6908           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife     | Port Security Program  | \$212,947    | \$28,750    | \$0         | 0.30  | 0.00  | 0.00  |
| 25 | 6912           | Department of Natural Resources and Environmental Control, Fish and Wildlife                                  | Joint Enforcement Agreement  | \$238,000    | \$714       | \$0         | 0.89  | 0.00  | 0.00  |
| 26 | 6914           | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality    | Air Pollution Control  | \$4,008,240  | \$2,731,542 | \$0         | 8.70  | 4.20  | 0.00  |
| 27 | 6918           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife     | Recreational Boating Safety Financial Assistance                                     | \$1,221,397  | \$1,221,397 | \$0         | 6.05  | 8.05  | 0.00  |
| 28 | 6911           | Department of Safety and Homeland Security, State Police, Criminal Investigation                              | Port Security Grant Program  | \$560,119    | \$148,372   | \$0         | 0.00  | 0.00  | 0.00  |
| 29 | 6921           | Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency     | Emergency Management Performance Grant   | \$2,983,042  | \$1,704,880 | \$1,278,162 | 15.55 | 12.70 | 11.70 |
| 30 | 6925           | Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency     | Non-Profit Security Grant Program  | \$1,890,000  | \$0         | \$0         | 0.75  | 0.00  | 0.00  |
| 31 | 6926           | Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency     | Homeland Security Grant Program  | \$4,362,750  | \$0         | \$0         | 3.75  | 0.00  | 0.00  |
| 32 | 6928           | Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency     | State and Local Cybersecurity Grant Program - IIJA                                   | \$1,108,818  | \$147,842   | \$591,370   | 0.50  | 0.50  | 0.00  |
| 33 | 6905           | Department of Transportation, Planning  | Delaware Aviation System Planning  | \$142,650    | \$15,849    | \$0         | 0.00  | 0.00  | 0.00  |
| 34 | 6922           | Department of Labor, Unemployment Insurance   | Reemployment and Eligibility Assessment  | \$861,638    | \$0         | \$0         | 8.50  | 0.00  | 0.00  |
| 35 | 6392 Amendment | Department of Education, Student Support  | Child and Adult Care Food Program  | \$173,479    | \$0         | \$0         | 0.00  | 0.00  | 0.00  |
| 36 | 6397 Amendment | Department of Education, Student Support  | Summer Food Service Program - State Administrative Funds                             | \$44,824     | \$0         | \$0         | 0.15  | 0.00  | 0.00  |
| 37 | 6398 Amendment | Department of Education, Student Support  | Child Nutrition Program - State Administrative Expense                               | \$401,540    | \$0         | \$0         | 3.95  | 2.50  | 0.00  |
| 38 | 6906           | Colonial School District  | Return to Learn Program  | \$714,656    | \$0         | \$0         | 1.00  | 0.00  | 0.00  |

|    |      |  |   |              |             |     |       |      |      |
|----|------|--|---|--------------|-------------|-----|-------|------|------|
| 39 | 6872 | Department of Labor, Employment and Training, Employment and Training Services | Work Opportunity Tax Credit - Restated  | \$116,492    | \$0         | \$0 | 1.00  | 0.00 | 0.00 |
| 40 | 6929 | Department of Health and Social Services, Public Health, Community Health      | Special Supplement Nutrition Program for Women, Infants and Children - Food           | \$10,096,398 | \$5,728,824 | \$0 | 0.00  | 0.00 | 0.00 |
| 41 | 6930 | Department of Health and Social Services, Public Health, Community Health      | Special Supplement Nutrition Program for Women, Infants and Children - Administration | \$6,717,747  | \$0         | \$0 | 51.00 | 0.00 | 0.00 |

#### Higher Education

|    |               |                        |   |             |     |           |  |  |  |
|----|---------------|------------------------|---|-------------|-----|-----------|--|--|--|
| 1  | 2025-10-04-01 | University of Delaware | Genome Enabled Strategies for Mitigating Blossom-End Rot and Enhancing Economic Resilience in the US Tomato Industry  | \$0         | \$0 | \$269,079 |  |  |  |
| 2  | 2025-10-04-02 | University of Delaware | CONTACT 2 - Cost-Effective Management and Scientific Challenges of Risks Associated with Implementation of Produce Safety Programs  | \$0         | \$0 | \$585,349 |  |  |  |
| 3  | 2025-10-04-03 | University of Delaware | Collaborative Research: Modeling Cell Size Control and Multiple Fission Cell Cycle Architecture in the Unicellular Alga Chlamydomonas   | \$221,097   | \$0 | \$0       |  |  |  |
| 4  | 2025-10-04-04 | University of Delaware | Machine Learning-Enhanced Molecular Dynamics for Predictive LiNbO <sub>3</sub> /SiO <sub>2</sub> Wafer Bonding  | \$176,605   | \$0 | \$0       |  |  |  |
| 5  | 2025-10-04-05 | University of Delaware | Marketing Options for Producers and Agribusiness in the Southeast: Social-Affinity Labels and Distant Markets   | \$0         | \$0 | \$37,794  |  |  |  |
| 6  | 2025-10-04-06 | University of Delaware | Digital Twin-Based Process Monitoring, In-Situ Defect Detection, and Real-Time Process Adjustment Solution for Automated Fiber Placement (AFP) Process                                  | \$0         | \$0 | \$54,554  |  |  |  |
| 7  | 2025-10-04-07 | University of Delaware | Collaborative Research: Improving Public Access to Research Data Through a Novel Collaboration Between the Libraries and Research Offices at two Delaware EPSCoR Institutions           | \$857,353   | \$0 | \$0       |  |  |  |
| 8  | 2025-10-04-08 | University of Delaware | Service Agreement with Zinpro Corporation to Perform Vivo Research  | \$0         | \$0 | \$35,204  |  |  |  |
| 9  | 2025-10-04-09 | University of Delaware | Collaborative Research: Ocean Bottom Boundary Layer Observations for Improved Semi-Enclosed Basin Forecasting   | \$1,845,952 | \$0 | \$0       |  |  |  |
| 10 | 2025-10-04-10 | University of Delaware | Developing a Predictive Framework for Electric Sensing of Soil Microbiome Health and Dysbiosis  | \$0         | \$0 | \$199,990 |  |  |  |
| 11 | 2025-10-04-11 | University of Delaware | A Fire Risk Assessment for Eastern US Forests Using the FRAME Network   | \$25,000    | \$0 | \$0       |  |  |  |
| 12 | 2025-10-04-12 | University of Delaware | Marketing Options for Producers and Agribusiness in the Southeast: Social-Affinity Labels and Distant Markets   | \$0         | \$0 | \$25,550  |  |  |  |
| 13 | 2025-10-04-13 | University of Delaware | Creation and Validation of a Data-Driven Predictive Modeling and Decision-Making Pipeline for VTE and Intracranial Hemorrhage Expansion in Severe Traumatic Brain Injury (TBI) Patients | \$0         | \$0 | \$463,586 |  |  |  |
| 14 | 2025-10-04-14 | University of Delaware | BRIDGE and EFNEP Curriculum Specialist  | \$0         | \$0 | \$8,315   |  |  |  |
| 15 | 2025-10-04-15 | University of Delaware | De Nora AEM Electrolyzer Testing Project  | \$0         | \$0 | \$15,455  |  |  |  |
| 16 | 2025-10-04-16 | University of Delaware | Stretchable Self-Powered Sensors Through Printable Piezoelectrets   | \$177,510   | \$0 | \$0       |  |  |  |
| 17 | 2025-10-04-17 | University of Delaware | VFT Vocal Fold Therapy  | \$0         | \$0 | \$205,291 |  |  |  |
| 18 | 2025-10-04-18 | University of Delaware | CRISPR/nCas9-based Gene Therapy for Mucopolysaccharidosis IVA Using Non-Viral Vectors   | \$0         | \$0 | \$39,420  |  |  |  |
| 19 | 2025-10-04-19 | University of Delaware | Mineralogical Controls on Sulfur in Petroleum Precursors: the Unexplored influence of Iron Speciation   | \$0         | \$0 | \$110,000 |  |  |  |
| 20 | 2025-10-04-20 | University of Delaware | Membrane-Modified Lipid Nanoparticles for Targeted mRNA Delivery  | \$0         | \$0 | \$60,000  |  |  |  |

|    |               |                        |   |           |     |           |
|----|---------------|------------------------|---|-----------|-----|-----------|
| 21 | 2025-10-04-21 | University of Delaware | The Role of Potassium Supplementation in Modulating Inflammation and Oxidative Stress in Hypertension   | \$0       | \$0 | \$168,568 |
| 22 | 2025-10-04-22 | University of Delaware | The Role of Endothelial Cell CD36 in Obesity Induced Endothelial Dysfunction  | \$0       | \$0 | \$70,676  |
| 23 | 2025-10-04-23 | University of Delaware | Adaptation of Propulsion on an User-Driven Split-Belt Treadmill   | \$0       | \$0 | \$70,676  |
| 24 | 2025-10-04-24 | University of Delaware | Unlocking the Potential of Microtracking Tags to Decrease the Impacts of Mosquito-Borne Diseases on Military Readiness  | \$400,809 | \$0 | \$0       |
| 25 | 2025-10-04-25 | University of Delaware | Collaborative Observational Investigation of the Effects of Wind Turbines on Atmospheric Boundary Layers.   | \$220,009 | \$0 | \$0       |
| 26 | 2025-10-04-26 | University of Delaware | Quantisation Paradigms in Non-Commutative Analysis  | \$211,591 | \$0 | \$0       |
| 27 | 2025-10-04-27 | University of Delaware | QPICS: Quantum Dot Photonic Integrated Circuits on Silicon  | \$0       | \$0 | \$159,375 |
| 28 | 2025-10-04-28 | University of Delaware | Framework for Modelling Bioreactor Performance from CHO Cell Clone Data   | \$0       | \$0 | \$46,010  |
| 29 | 2025-10-04-29 | University of Delaware | ART: Mining the Rich Vein of Research in Montana  | \$0       | \$0 | \$37,463  |
| 30 | 2025-10-04-30 | University of Delaware | Acquisition of Goods and Services   | \$65,000  | \$0 | \$0       |
| 31 | 2025-10-04-31 | University of Delaware | Weighted Student Funding, the Equitable Allocation of Resources, and Student Learning   | \$0       | \$0 | \$74,939  |
| 32 | 2025-10-04-32 | University of Delaware | A Mechano-Sensitive Drug Delivery Approach for a Non-Opioid Therapeutic to Control Acute Postoperative Joint Pain   | \$0       | \$0 | \$62,765  |
| 33 | 2025-10-04-33 | University of Delaware | Mechanisms of Arterial Stiffness as Mediators of the Neuroprotective Effects of Aerobic Fitness   | \$0       | \$0 | \$155,284 |
| 34 | 2025-10-04-34 | University of Delaware | Understanding Formation and Dynamics of the HIV/SIV Reservoir   | \$0       | \$0 | \$350,000 |
| 35 | 2025-10-04-35 | University of Delaware | NASA Delaware Space Grant Consortium Proposal in Response to National Space Grant College and Fellowship Program FY25 Supplemental Funding Opportunity for FY 2025                  | \$145,000 | \$0 | \$0       |
| 36 | 2025-10-04-36 | University of Delaware | Accelerating Spin-Forbidden Catalysis for C-H Bond Activation in Hydrocarbon Feedstocks   | \$0       | \$0 | \$110,000 |
| 37 | 2025-10-04-37 | University of Delaware | Collaborative Research: III: Change-Aware Graph Learning: Adaptation, Generalization, Unlearning, and Privacy   | \$216,765 | \$0 | \$0       |
| 38 | 2025-10-04-38 | University of Delaware | Dissection of Novel Capsid Inhibitor Mechanisms in HIV-1  | \$0       | \$0 | \$300,000 |
| 39 | 2025-10-04-39 | University of Delaware | A Portable, Safe, Smart Digital Resistance Training System Providing Remote Monitoring, Form Feedback, and Data Tracking to Slow the Onset of Sarcopenia and Functional Decline     | \$0       | \$0 | \$88,762  |
| 40 | 2025-10-04-40 | University of Delaware | Transparent and Screen-Mounted Tactile Actuators for Next Generation Touch Assistive Devices for Visually Impaired Users  | \$0       | \$0 | \$117,658 |
| 41 | 2025-10-04-41 | University of Delaware | Immunotherapy Delivery for Head and Neck Cancer   | \$0       | \$0 | \$234,442 |
| 42 | 2025-10-04-42 | University of Delaware | Collaborative Research: CPS-FR: CSR: MAVERICKS: Mobility-Centric Autonomous System with Full-Stack Software/Hardware Co-Design for Real-Time High-Fidelity Situational Environments | \$216,226 | \$0 | \$0       |
| 43 | 2025-10-04-43 | University of Delaware | Immigrant Families Participation in Child Care: A Mixed Method Study  | \$25,000  | \$0 | \$0       |

|    |               |                        |  |             |     |           |
|----|---------------|------------------------|--|-------------|-----|-----------|
| 44 | 2025-10-04-44 | University of Delaware | Brain Mechanics Knowledgebase  | \$0         | \$0 | \$175,000 |
| 45 | 2025-10-04-45 | University of Delaware | Creating a Soft and Stretchable Haptic Skin  | \$0         | \$0 | \$65,513  |
| 46 | 2025-10-04-46 | University of Delaware | MURI: DEComPoSD: Designer Enzymes for Composite Polyolefin   | \$5,531,954 | \$0 | \$0       |
| 47 | 2025-10-04-47 | University of Delaware | Diverse Devotions: Black Belief Across Boundaries  | \$0         | \$0 | \$50,000  |
| 48 | 2025-10-04-48 | University of Delaware | Delaware Partnership: Grade 6-8 Math Curriculum Implementation and Impact Study  | \$0         | \$0 | \$42,731  |
| 49 | 2025-10-04-49 | University of Delaware | Public Allies FY25/26 National Support   | \$0         | \$0 | \$310,660 |
| 50 | 2025-10-04-50 | University of Delaware | Abbvie Roberts Collaborative Research Study  | \$0         | \$0 | \$113,750 |
| 51 | 2025-10-04-51 | University of Delaware | Efficacy of Autistic-Delivered Peer Support for Autistic Young Adults  | \$0         | \$0 | \$114,508 |
| 52 | 2025-10-04-52 | University of Delaware | Partnership: Challenging the Poultry Litter Management Paradigm - Mitigating Emissions and Improving Bird Health                                 | \$0         | \$0 | \$105,005 |
| 53 | 2025-10-04-53 | University of Delaware | Spinal Muscle Impairments: Uncovering Therapeutic Targets for Improved Mobility After Amputation   | \$2,426,863 | \$0 | \$0       |
| 54 | 2025-10-04-54 | University of Delaware | PARTNERSHIP: Expanding Capabilities of AI-Driven Robotic Inventory Management and Quality Evaluation of Ornamental Nursery Crops                 | \$0         | \$0 | \$105,213 |
| 55 | 2025-10-04-55 | University of Delaware | Role of Organelle Dynamics and Retrograde Signaling During Plant Innate Immunity   | \$0         | \$0 | \$770,820 |
| 56 | 2025-10-04-56 | University of Delaware | The Educator Success Network   | \$0         | \$0 | \$74,997  |
| 57 | 2025-10-04-57 | University of Delaware | PARTNERSHIP: Accessible and Scalable Glare Correction Methods for Hyper- and Multi-Spectral Imaging Using Polarized Light                        | \$0         | \$0 | \$120,021 |
| 58 | 2025-10-04-58 | University of Delaware | Semantic Communication through Disentangled Sparse Token Encodings   | \$0         | \$0 | \$96,914  |
| 59 | 2025-10-04-59 | University of Delaware | Development of Activity-Based Sensors for Multiplexed Mass-Spectrometry-Based Bioimaging of Labile Transition Metal Pools                        | \$1,250,000 | \$0 | \$0       |
| 60 | 2025-10-04-60 | University of Delaware | Evaluating Routine Turfgrass Soil Tests for Coastal Soil Salinity Detection in the Mid-Atlantic  | \$0         | \$0 | \$56,902  |
| 61 | 2025-10-04-61 | University of Delaware | Visualizing Pathogenic Fungal Chitin in Multi-Cell Culture Systems   | \$0         | \$0 | \$35,000  |
| 62 | 2025-10-04-62 | University of Delaware | Delaware AT Champion   | \$0         | \$0 | \$9,250   |
| 63 | 2025-10-04-63 | University of Delaware | NSF TTP-T: Lab-to-Practice Translation of Area-Selective Deposition for Sub-10-nm Nano-Imprint Masks Based on Atomically-Precise STM Lithography | \$999,493   | \$0 | \$0       |
| 64 | 2025-10-04-64 | University of Delaware | Atlantic Sturgeon Population & Habitat Use to Inform Infrastructure Improvements   | \$0         | \$0 | \$198,629 |
| 65 | 2025-10-04-65 | University of Delaware | Scaling Limits of Combinatorially Structured Stochastic Processes  | \$199,566   | \$0 | \$0       |
| 66 | 2025-10-04-66 | University of Delaware | Relational Trust as a Lever for Change in Community School Labor-Management Partnerships   | \$0         | \$0 | \$73,524  |
| 67 | 2025-10-04-67 | University of Delaware | Unraveling Mechanisms Driving Externalizing Profiles and Trajectories  | \$1,669,823 | \$0 | \$0       |

|    |               |                        |   |           |           |           |
|----|---------------|------------------------|---|-----------|-----------|-----------|
| 68 | 2025-10-04-68 | University of Delaware | Mothers' Childhood Experiences, Maternal Sensitivity, and Immune Regulation in Young Children   | \$0       | \$0       | \$6,250   |
| 69 | 2025-10-04-69 | University of Delaware | Resilient Bio-Based Supply Chains Under Uncertainty: Knowledge Extraction to Design   | \$318,254 | \$0       | \$0       |
| 70 | 2025-10-04-70 | University of Delaware | Collaborative Research: III: Foundational Advances in Large Language Models for Pediatric Preventive Health Decision Support                        | \$457,926 | \$0       | \$0       |
| 71 | 2025-10-04-71 | University of Delaware | Small Business Administration Cooperative Agreement CY26  | \$717,903 | \$843,238 | \$0       |
| 72 | 2025-10-04-72 | University of Delaware | A Novel Fe-Mineral Proxy for Assessing Metal Stability in Contaminated Sediments  | \$0       | \$0       | \$125,000 |
| 73 | 2025-10-04-73 | University of Delaware | Determining How ECM Stiffness Influences Nephron Patterning and Differentiation   | \$0       | \$0       | \$830,000 |
| 74 | 2025-10-04-74 | University of Delaware | Copiloting Hospital Decision-Making and Provision Via Adaptive Strategic Ecosystem with Counterfactual Digital Twins.                               | \$0       | \$0       | \$500,000 |
| 75 | 2025-10-04-75 | University of Delaware | Investigating the Mechanisms By Which Gremlin1 Regulates Fibrotic Lens D  | \$0       | \$0       | \$2,518   |
| 76 | 2025-10-04-76 | University of Delaware | Cognitive Control Training to Reduce Suicide Risk Among Patients with PTSD and Suicidal Ideation  | \$0       | \$0       | \$175,108 |
| 77 | 2025-10-04-77 | University of Delaware | PARTNERSHIP: Automated Propagation Enabled by Artificial Intelligence and Robotics  | \$0       | \$0       | \$125,544 |
| 78 | 2025-10-04-78 | University of Delaware | BRING-SynBio: Deciphering and Directing Lactylation Epigenetics to Control Macrophage Immune Cell Phenotype   | \$274,998 | \$0       | \$0       |
| 79 | 2025-10-04-79 | University of Delaware | Cold Plasma Technology for Dietary Fiber Modification: A Scalable Design for Targeted Gut Microbiota Regulation                                     | \$0       | \$0       | \$73,551  |
| 80 | 2025-10-04-80 | University of Delaware | Optimizing AntibioticProbiotic Strategies for Durable BV Treatment  | \$0       | \$0       | \$211,387 |
| 81 | 2025-10-04-81 | University of Delaware | High-Efficacy Q-Switched UV Laser Sanitation: An Energy-Efficient And Precision Approach To Enhancing Food Safety                                   | \$0       | \$0       | \$58,051  |
| 82 | 2025-10-04-82 | University of Delaware | Peptidogly Can Release as a Bacterial Immune Evasion Mechanism  | \$0       | \$0       | \$375,000 |
| 83 | 2025-10-04-83 | University of Delaware | NSF TTP-T: Tunable Hydrogel Platforms for Next-Generation Biomanufacturing of Engineered Cells and Cell-Derived Products                            | \$766,843 | \$0       | \$0       |
| 84 | 2025-10-04-84 | University of Delaware | PARTNERSHIP: Farming System Management Practices and Micronutrients for Biological Nitrogen Fixation  | \$0       | \$0       | \$127,084 |
| 85 | 2025-10-04-85 | University of Delaware | Federal and State Technology (FAST) Partnership Program   | \$86,624  | \$0       | \$0       |
| 86 | 2025-10-04-86 | University of Delaware | You're Killing Me! Intimate Partner Loneliness and All-Cause Mortality Among Older U.S. Couples, 2006-2022  | \$0       | \$0       | \$268,536 |
| 87 | 2025-10-04-87 | University of Delaware | Green Storms: Sargassum Blooms and Hurricanes in the U.S. Virgin Islands  | \$0       | \$0       | \$42,502  |
| 88 | 2025-10-04-88 | University of Delaware | Understanding Stakeholder Behavior and Incentives in the Federal Crop Insurance Program   | \$0       | \$0       | \$87,854  |
| 89 | 2025-10-04-89 | University of Delaware | Collaborative Research: GEM : The Velocity Space Origins of Heating During Magnetospheric Reconnection  | \$77,181  | \$0       | \$0       |
| 90 | 2025-10-04-90 | University of Delaware | Shark-Collected Ocean Data to Improve Hurricane Forecasting in the NW Atlantic  | \$0       | \$0       | \$42,400  |
| 91 | 2025-10-04-91 | University of Delaware | Collaborative Research: VINES: Track 2: Curb-to-Cloud: Adaptive MEC-Based Infrastructure Enabling Scalable, Resilient, and Fair Robotaxi Ecosystems | \$642,319 | \$0       | \$0       |

|     |               |                           |   |             |     |             |
|-----|---------------|---------------------------|---|-------------|-----|-------------|
| 92  | 2025-10-04-92 | University of Delaware    | Preparation of Highly Substituted Axially Chiral Compounds Using Reductive Couplings  | \$654,403   | \$0 | \$0         |
| 93  | 2025-10-04-93 | University of Delaware    | Collaborative Research: NSF-BSF: SaTC 2.0: RES: Architectural Signatures Based Extensible Defenses Against Side-Channel Attacks   | \$259,016   | \$0 | \$0         |
| 94  | 2025-10-04-94 | University of Delaware    | HEALTH For All: Feasibility and Initial Impact of a Community-Based Multi-Disciplinary Team Model for Diabetes Risk Screening, Education, Support, and Referral                 | \$0         | \$0 | \$18,062    |
| 95  | 2025-10-04-95 | University of Delaware    | Predicting Outcomes from Obesity Medications Among Diverse Pediatric Populations  | \$0         | \$0 | \$1,166,711 |
| 96  | 2025-10-04-96 | University of Delaware    | Field-Scale Testing of Weed Dynamics, Cover Crop Performance, and Soybean HealthSensing Technology Mapping Tools  | \$25,000    | \$0 | \$0         |
| 97  | 2025-10-04-97 | University of Delaware    | Forests and Floods: Development of AI-Driven Computer Vision Algorithms of Throughfall Droplets to Foster More Robust Subcanopy Rainfall Estimates                              | \$280,391   | \$0 | \$0         |
| 98  | 2025-10-04-98 | University of Delaware    | COBRE Phase III Year 4  | \$0         | \$0 | \$245,911   |
| 99  | 2025-10-04-99 | University of Delaware    | UnMES Engineering Test of Munitions Migration and Burial at Miles Beach, ME   | \$15,625    | \$0 | \$0         |
| 100 | 2025-10-05-01 | University of Delaware    | CHRONOS: A Quantum Clock Space Telescope for Gravitational Astrophysics   | \$9,376     | \$0 | \$0         |
| 101 | 2025-10-05-02 | University of Delaware    | Ventilated Rodent Caging to Support the University of Delaware's Life Sciences  | \$349,827   | \$0 | \$0         |
| 102 | 2025-10-05-03 | University of Delaware    | The Search for Interval Scales: A Study of Large-Scale International Assessment Item Response Data  | \$0         | \$0 | \$35,000    |
| 103 | 2025-10-05-04 | University of Delaware    | Development and Evaluation of a Transcranial Photobiomodulation (tPBM) Device for Multi-Region Brain Stimulation to Improve Motor and Cognitive Function in Parkinson's Disease | \$2,342,186 | \$0 | \$0         |
| 104 | 2025-10-05-05 | University of Delaware    | Assessing the Effects of Soil Amendment and Subsoiling on Compacted Urban Land in the District of Columbia  | \$0         | \$0 | \$30,840    |
| 105 | 2025-10-05-06 | University of Delaware    | Partnership: Postharvest Processing Of Leafy Greens By Novel Washing Systems With Plasma And Nanobubble-Based Sanitizers  | \$708,262   | \$0 | \$0         |
| 106 | 2025-10-05-07 | University of Delaware    | Sonar Equipment Fund - Equipment Acquisition for CSHEL  | \$0         | \$0 | \$7,980     |
| 107 | 2025-10-05-08 | University of Delaware    | Understand Ubiquitination in Tau Fibrillization   | \$0         | \$0 | \$150,000   |
| 108 | 2025-10-05-09 | University of Delaware    | Mechanisms of Congenital Diaphragmatic Hernia-Associated Pulmonary Vascular Abnormality   | \$0         | \$0 | \$392,442   |
| 109 | 2025-10-05-10 | University of Delaware    | UniProt Partnerships with Common Fund Data Ecosystem Resources for Protein-Centric Functional Genomics  | \$934,338   | \$0 | \$0         |
| 110 | 2025-10-07-01 | Delaware State University | Graduate Research Fellowship Program (GRFP)   | \$265,000   | \$0 | \$0         |
| 111 | 2025-10-07-02 | Delaware State University | Supporting Public Access to Data Through a Unique Collaboration Between the Library, the Research Office, and Delaware EPSCoR Institutions                                      | \$1,376,396 | \$0 | \$0         |
| 112 | 2025-10-07-03 | Delaware State University | Empowering the Agricultural Workforce: Expanding Extension's Capacity Through AI Training, Tools and Credentials  | \$28,016    | \$0 | \$0         |
| 113 | 2025-10-07-04 | Delaware State University | HISTORICALLY BLACK COLLEGES AND UNIVERSITIES (HBCU) PROGRAMS--TITLE III, HBCU PART F--FUTURE ACT GRANT--2025 - 2029   | \$1,018,205 | \$0 | \$0         |
| 114 | 2025-10-07-05 | Delaware State University | PARTNERSHIP: The Application of Advanced Remote Sensing Systems to Support Precision Nutrient Management in Corn and Soybean  | \$155,000   | \$0 | \$0         |

|     |               |                           |   |             |     |     |
|-----|---------------|---------------------------|---|-------------|-----|-----|
| 115 | 2025-10-07-06 | Delaware State University | TDP-43-Induced Glial Dysfunction to Neuroinflammation: Mechanisms and Therapeutic Horizons                        | \$1,277,500 | \$0 | \$0 |
| 116 | 2025-10-07-07 | Delaware State University | One Health Genomic Surveillance of Foodborne Pathogens: A 15-Year Longitudinal Study for Food Safety Advancement. | \$102,086   | \$0 | \$0 |
| 117 | 2025-10-07-08 | Delaware State University | H2CIRC: Circular Recycling for the Hydrogen Economy   | \$954,951   | \$0 | \$0 |

Revised 10/9/2025

**Delaware State Clearinghouse Committee**  
**November Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**November 18, 2025 @ 10:00am**

| Item                 | SAI#           | Applicant   | Project Title  | Federal      | Funding State | Other     | Federal | Positions State | Other |
|----------------------|----------------|---|--|--------------|---------------|-----------|---------|-----------------|-------|
| <b>New Business*</b> |                |   |  |              |               |           |         |                 |       |
| 1                    | 6939           | Department of Health and Social Services, State Service Centers   | AmeriCorps Vista Support Grant   | \$47,500     | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 2                    | 6941           | Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse                                | Rural Communities Opioid Response Program Overdose Response                                      | \$300,000    | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 3                    | 2025-09-24-01  | Department of Health and Social Services, Social Services   | End Community Violence Now Transforming Influence  | \$0          | \$0           | \$65,000  | 0.00    | 0.00            | 0.00  |
| <b>Continued</b>     |                |   |  |              |               |           |         |                 |       |
| 1                    | 6934           | Executive, Criminal Justice, Criminal Justice Council   | Victims of Crime Assistance Grant (VOCA)   | \$2,792,843  | \$0           | \$663,300 | 1.40    | 0.00            | 0.00  |
| 2                    | 6956           | Executive, Criminal Justice, Criminal Justice Council   | Sexual Assault Services Program  | \$785,791    | \$0           | \$0       | 0.45    | 0.00            | 0.00  |
| 3                    | 6951           | Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty                                  | Medicare Improvements for Patients and Providers Act - State Health Insurance Assistance Program | \$93,912     | \$0           | \$0       | 0.40    | 0.00            | 0.00  |
| 4                    | 6952           | Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty                                  | Medicare Improvements for Patients and Providers Act - Area on Aging                             | \$80,120     | \$0           | \$0       | 0.10    | 0.00            | 0.00  |
| 5                    | 6953           | Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty                                  | Medicare Improvements for Patients and Providers Act - Aging and Disability Resource Center      | \$28,102     | \$0           | \$0       | 0.10    | 0.00            | 0.00  |
| 6                    | 6974           | Legal, Department of Justice  | Victims Compensation Formula Grant   | \$1,147,000  | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 7                    | 6931           | Department of Health and Social Services, Public Health, Community Health   | Special Supplement Nutrition Program for Women, Infants and Children - Breastfeeding             | \$300,954    | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 8                    | 6949           | Department of Health and Social Services, Office of the Secretary   | Delaware Health Insurance Individual Market  | \$49,347,738 | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 9                    | 6950           | Department of Health and Social Services, Social Services   | Supplemental Nutrition Assistance Program (SNAP) Earnings Verification and Support               | \$132,101    | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 10                   | 6957           | Department of Health and Social Services, Public Health, Community Health   | State Maternal Health Innovation Program   | \$821,000    | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 11                   | 6958           | Department of Health and Social Services, Public Health, Community Health   | Clinical Laboratory Improvement Amendments   | \$80,040     | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 12                   | 5992 Amendment | Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal, and Energy | State Energy Program   | \$466,720    | \$0           | \$0       | -2.00   | 0.00            | 0.00  |
| 13                   | 6935           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife                   | Delaware's Endangered Species Program  | \$97,964     | \$14,246      | \$0       | 0.00    | 0.02            | 0.00  |
| 14                   | 6795           | Department of Labor, Office of Occupational and Labor Market Information  | Workforce Information Grant  | \$301,707    | \$0           | \$0       | 1.50    | 0.00            | 0.00  |
| 15                   | 6927           | Department of Labor, Unemployment Insurance   | Unemployment Insurance Administration Grant  | \$8,719,493  | \$0           | \$0       | 86.35   | 0.00            | 0.00  |
| 16                   | 6936           | Department of Labor, Employment and Training, Employment and Training Services  | Wagner-Peyser Act, Employment Services   | \$1,983,351  | \$0           | \$0       | 20.30   | 0.00            | 0.00  |
| 17                   | 6937           | Department of Labor, Employment and Training, Employment and Training Services  | Foreign Labor Certification  | \$70,575     | \$0           | \$0       | 0.72    | 0.00            | 0.00  |

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|----|------|--|---|-------------|-----------|-----|------|------|------|
| 18 | 6938 | Department of Labor, Employment and Training, Employment and Training Services | Workforce Innovation and Opportunity Act - Youth    | \$3,149,146 | \$0       | \$0 | 4.05 | 0.00 | 0.00 |
| 19 | 6977 | Department of Labor, Employment and Training, Employment and Training Services | Disabled Veterans Outreach Program                  | \$589,863   | \$0       | \$0 | 6.00 | 0.00 | 0.00 |
| 20 | 6948 | Department of Agriculture, Food Products Inspection                            | Cooperative Meat Inspection                         | \$279,106   | \$279,109 | \$0 | 2.50 | 1.50 | 0.00 |
| 21 | 6961 | Department of Agriculture, Plant Industries                                    | Cooperative Agricultural Pest Survey-Infrastructure | \$104,698   | \$0       | \$0 | 0.85 | 0.00 | 0.00 |
| 22 | 6932 | First State Military Academy   | Rural Education Achievement Grant                   | \$29,927    | \$0       | \$0 | 0.30 | 0.00 | 0.00 |

#### Higher Education

|    |               |                        |   |              |     |     |             |  |  |
|----|---------------|------------------------|---|--------------|-----|-----|-------------|--|--|
| 1  | 2025-11-02-01 | University of Delaware | Mid-scale RI-1 (M1:IP): DASH Testbed -- Distributed AI for Secure Multi-site Healthcare Data Analysis   | \$15,270,862 | \$0 | \$0 |             |  |  |
| 2  | 2025-11-02-02 | University of Delaware | S-STEM: Accelerated Workforce Development: Accessible 3+2 pathways to BS degrees in Physics and Chemistry + MS degrees in Semiconductor Manufacturing & Quantum Science disciplines | \$0          | \$0 | \$0 | \$2,051,186 |  |  |
| 3  | 2025-11-02-03 | University of Delaware | 1965 Los Angeles Riots Digitization Project   | \$0          | \$0 | \$0 | \$19,100    |  |  |
| 4  | 2025-11-02-04 | University of Delaware | NSF Engineering Research Center for Living Composites Foundry Engineering (LIFE)  | \$20,414,055 | \$0 | \$0 |             |  |  |
| 5  | 2025-11-02-05 | University of Delaware | CRCNS US-French Research Proposal: Optimal Control Framework for Studying the Neural Control of Force, Impedance, and Feedback Responses  | \$441,355    | \$0 | \$0 |             |  |  |
| 6  | 2025-11-02-06 | University of Delaware | Collaborative Research: RAPID: Study of the April 2025 Eruption at 9 50 N EPR: Fluid Pathways, Crustal Permeability, and Plume Evolution  | \$6,235      | \$0 | \$0 |             |  |  |
| 7  | 2025-11-02-07 | University of Delaware | Northeast Agriculture Risk Management Education (ARME) Center   | \$1,966,882  | \$0 | \$0 |             |  |  |
| 8  | 2025-11-02-08 | University of Delaware | Development of activity-based sensors for multiplexed mass-spectrometry-based bioimaging of labile transition metal pools   | \$1,250,000  | \$0 | \$0 |             |  |  |
| 9  | 2025-11-02-09 | University of Delaware | NSF TTP-T: Lab-to-Practice Translation of Area-Selective Deposition for sub-10-nm Nano-Imprint Masks Based on Atomically-Precise STM Lithography                                    | \$999,493    | \$0 | \$0 |             |  |  |
| 10 | 2025-11-02-10 | University of Delaware | Unraveling Mechanisms Driving Externalizing Profiles and Trajectories   | \$1,669,823  | \$0 | \$0 |             |  |  |
| 11 | 2025-11-02-11 | University of Delaware | Collaborative Research: RI: Robust and Adaptive Multimodal 3D Perception  | \$221,999    | \$0 | \$0 |             |  |  |
| 12 | 2025-11-02-12 | University of Delaware | RSA Acquisition of Goods and Services   | \$15,350     | \$0 | \$0 |             |  |  |
| 13 | 2025-11-02-13 | University of Delaware | Next Generation MRI for Virtual Mechanical Testing of Bone Fracture Healing   | \$2,859,924  | \$0 | \$0 |             |  |  |
| 14 | 2025-11-02-14 | University of Delaware | Integrated Circuits for High-Speed Data Transmission  | \$0          | \$0 | \$0 | \$61,760    |  |  |
| 15 | 2025-11-02-15 | University of Delaware | Preparation of Highly Substituted Axially Chiral Compounds Using Reductive Couplings  | \$654,403    | \$0 | \$0 |             |  |  |
| 16 | 2025-11-02-16 | University of Delaware | Cornerstone West CDC 25/26 Partner Organization   | \$0          | \$0 | \$0 | \$19,500    |  |  |
| 17 | 2025-11-02-17 | University of Delaware | Network Delaware 25/26 Partner Organization   | \$0          | \$0 | \$0 | \$19,500    |  |  |
| 18 | 2025-11-02-18 | University of Delaware | First State Squash Public Ally partner organization   | \$0          | \$0 | \$0 | \$22,000    |  |  |

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|----|---------------|------------------------|--|-------------|-----|-------------|
| 19 | 2025-11-02-19 | University of Delaware | Collaborative Research: Exploring the Uses of Graphs Across STEM Fields Project (STEM-Graphs Project)  | \$280,264   | \$0 | \$0         |
| 20 | 2025-11-02-20 | University of Delaware | Partnership: Field-based Mitigation Strategies for Lowering Cadmium Levels in Spinach  | \$0         | \$0 | \$126,105   |
| 21 | 2025-11-02-21 | University of Delaware | Microsensor-Guided Microbial Surveillance In Poultry Production  | \$209,858   | \$0 | \$0         |
| 22 | 2025-11-02-22 | University of Delaware | Partnership: Advanced Biocomposites through In-situ Supramolecular Interfacial Modifications of Natural Fibers   | \$0         | \$0 | \$105,004   |
| 23 | 2025-11-02-23 | University of Delaware | Partnership: Developing Convergent System of Recycling of Manure Nutrients into Engineered Hydrochar and Slow-release Intelligent Fertilizers          | \$710,218   | \$0 | \$0         |
| 24 | 2025-11-02-24 | University of Delaware | Measuring the Impact of Youth-Generated Research on Research Use and Youth Outcomes: A School Climate Youth-Participatory Action Research Intervention | \$0         | \$0 | \$109,175   |
| 25 | 2025-11-02-25 | University of Delaware | Tracking Trajectories and the Role of Caregiver Input in the Vocal Development of Infants with Neurogenetic Syndromes                                  | \$300,794   | \$0 | \$0         |
| 26 | 2025-11-02-26 | University of Delaware | An Integrative Multi-Omics Platform for Analyzing Age-Associated Differences in Bone Marrow Stromal Cells  | \$2,339,448 | \$0 | \$0         |
| 27 | 2025-11-02-27 | University of Delaware | Using Expansion of the Adult Dentate Gyrus to Identify Rats Susceptible to Traumatic Stress  | \$275,000   | \$0 | \$0         |
| 28 | 2025-11-02-28 | University of Delaware | Activity-Based Polymerization for Multiplexed Bioimaging of Cells and Tissues Under Oxidative Stress and Metal Dyshomeostasis                          | \$1,250,000 | \$0 | \$0         |
| 29 | 2025-11-02-29 | University of Delaware | Braven, Inc. Public Ally Partner Organization  | \$0         | \$0 | \$22,500    |
| 30 | 2025-11-02-30 | University of Delaware | Mental Health Association in Delaware Public Ally Partner Organization   | \$0         | \$0 | \$16,500    |
| 31 | 2025-11-02-31 | University of Delaware | Mental Health Association in Delaware Public Ally Partner Organization   | \$0         | \$0 | \$16,500    |
| 32 | 2025-11-02-32 | University of Delaware | Mental Health Association in Delaware Public Ally Partner Organization   | \$0         | \$0 | \$16,500    |
| 33 | 2025-11-02-33 | University of Delaware | Network Delaware Inc. Delaware Public Ally Partner Organization  | \$0         | \$0 | \$18,500    |
| 34 | 2025-11-02-34 | University of Delaware | Collaborative Research: Critical Thinking and Self-Regulation While Using Generative AI in Advanced Computer Science and Engineering.                  | \$69,450    | \$0 | \$0         |
| 35 | 2025-11-02-35 | University of Delaware | Ion Channels and Driving Forces: Dependence on Kir2.1 to Fine Tune Cell Signaling  | \$1,375,000 | \$0 | \$0         |
| 36 | 2025-11-02-36 | University of Delaware | Beyond Count Rate: Enhancing Neutron Monitor Sensitivity for Heliospheric Physics  | \$250,591   | \$0 | \$0         |
| 37 | 2025-11-02-37 | University of Delaware | Collaborative Research: Connecting Solar Wind Turbulence from the Chromosphere to the Heliosphere using Multi-source and Multi-method Observations     | \$128,904   | \$0 | \$0         |
| 38 | 2025-11-02-38 | University of Delaware | Effective Viscosity and Resistivity to Quantify Collisional-like Behavior in Nearly Collisionless Plasma   | \$307,352   | \$0 | \$0         |
| 39 | 2025-11-02-39 | University of Delaware | Investigation of Proton and Electron Heating in the Structured Inner Heliosphere using Global Solar Wind Modeling with Turbulence Transport            | \$422,444   | \$0 | \$0         |
| 40 | 2025-11-02-40 | University of Delaware | Pathway to \$10 Per Gram: A Technology Roadmap for Cost-Effective mAb Manufacturing  | \$0         | \$0 | \$9,694,277 |
| 41 | 2025-11-02-41 | University of Delaware | Partnership: Novel Autonomous Precision Drip Fertigation System for Managing Water/Nutrient in Hydroponics: Improve Sustainability and Safety          | \$587,025   | \$0 | \$0         |
| 42 | 2025-11-02-42 | University of Delaware | Development of Plasma Microbubble Washing System for Environmentally Friendly and Efficient Postharvest Processing of Fresh Produce                    | \$464,021   | \$0 | \$0         |

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|----|---------------|------------------------|---|-------------|-----|-----------|
| 43 | 2025-11-02-43 | University of Delaware | Promoting healthy lifestyle habits in the community: Virtual World CHW Training   | \$0         | \$0 | \$35,833  |
| 44 | 2025-11-02-44 | University of Delaware | A Unique Exploration of Developmental Language Disorder   | \$274,952   | \$0 | \$0       |
| 45 | 2025-11-02-45 | University of Delaware | Physical Principles of Microbial Dispersal, Growth, and Removal in Health-Relevant Porous Environments                                    | \$1,375,000 | \$0 | \$0       |
| 46 | 2025-11-02-46 | University of Delaware | Mechanisms of How Cognition Facilitates and Disrupts Sensorimotor Integration for Complex Task Execution                                  | \$2,844,278 | \$0 | \$0       |
| 47 | 2025-11-02-47 | University of Delaware | The Effects of Complex Thermal Gradients and Disturbance Interactions in Hypersonic Boundary Layers                                       | \$1,275,936 | \$0 | \$0       |
| 48 | 2025-11-02-48 | University of Delaware | 2026 NSF Mind, Machine and Motor Nexus (M3X) Principal Investigators' Meeting; Alexandria, Virginia; February 2026                        | \$38,614    | \$0 | \$0       |
| 49 | 2025-11-02-49 | University of Delaware | Muddy Water Blues: Detecting and Predicting the <i>Salmonella</i> in Water that Matter Most   | \$0         | \$0 | \$95,375  |
| 50 | 2025-11-02-50 | University of Delaware | AI-Enhanced Undergraduate Mathematics Instruction Through Problem Posing  | \$313,944   | \$0 | \$0       |
| 51 | 2025-11-02-51 | University of Delaware | Elucidating the Role of CD4 T-cells on Wound Healing with Drug Delivery Hydrogels   | \$1,375,005 | \$0 | \$0       |
| 52 | 2025-11-02-52 | University of Delaware | Psychobiological Mechanisms of Accelerated Vascular Aging in Depression   | \$2,499,673 | \$0 | \$0       |
| 53 | 2025-11-02-53 | University of Delaware | Grounding Legged VLN  | \$364,804   | \$0 | \$0       |
| 54 | 2025-11-02-54 | University of Delaware | SCH: Smart Nanocomposite Wearables with Machine Learning for Next-Generation Human Rehabilitation   | \$772,063   | \$0 | \$0       |
| 55 | 2025-11-02-55 | University of Delaware | Functional Characterization of Circular RNAs in Neonatal Brain Injuries   | \$2,408,280 | \$0 | \$0       |
| 56 | 2025-11-02-56 | University of Delaware | Collaborative Research: Understanding the Role of Turbulence and Diffusion in the Acceleration and Transport of Solar Energetic Particles | \$156,038   | \$0 | \$0       |
| 57 | 2025-11-02-57 | University of Delaware | Standardizing Lime Recommendations to Improve Soil Health and Build Agricultural Productivity   | \$0         | \$0 | \$290,030 |
| 58 | 2025-11-02-58 | University of Delaware | Engineering Rice Husk Biochar To Enhance Electron Storage, Silicon Availability, And Rice System Resilience                               | \$450,529   | \$0 | \$0       |
| 59 | 2025-11-02-59 | University of Delaware | Evaluation of Methane Emissions Measurement Strategies and Automated Gas Control at Municipal Solid Waste Landfills                       | \$0         | \$0 | \$155,379 |
| 60 | 2025-11-02-60 | University of Delaware | Partnership: Turbocharge Center Pivots With Robotic Proximal Sensing And Ai For Precision Crop And Water Management In The Mid-Atlantic   | \$618,662   | \$0 | \$0       |
| 61 | 2025-11-02-61 | University of Delaware | Enhanced Mid-Atlantic System Sustainability Through Development of High-Protein and Stress Tolerant Faba Bean for Winter Production       | \$0         | \$0 | \$84,004  |
| 62 | 2025-11-02-62 | University of Delaware | Precise Systems UD Code 60 Structural Engineering   | \$0         | \$0 | \$853,900 |
| 63 | 2025-11-02-63 | University of Delaware | Development of a Long-Term Human Bone Microphysiological System to Model Skeletal Aging   | \$275,000   | \$0 | \$0       |
| 64 | 2025-11-02-64 | University of Delaware | Promoting Operational and Community Resilience through Integrated Agricultural Systems  | \$0         | \$0 | \$158,928 |
| 65 | 2025-11-02-65 | University of Delaware | Step Forward: A Multi-Region Study of Real-World Gait, Community Characteristics, and Outcome Prediction in Knee Osteoarthritis           | \$2,993,539 | \$0 | \$0       |
| 66 | 2025-11-02-66 | University of Delaware | Collaborative Research: SCH: AI-Guided Microrobotic Vascular Navigation for Targeted Intradural Delivery in Glioblastoma Therapy          | \$375,000   | \$0 | \$0       |

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|----|---------------|------------------------|---|-------------|-----|-----------|
| 67 | 2025-11-02-67 | University of Delaware | Collaborative Research: Sensorimotor State Estimation in Human-human and Human-robot Interactions   | \$212,942   | \$0 | \$0       |
| 68 | 2025-11-02-68 | University of Delaware | Impact of Mild Cognitive Impairment on the Interplay and Neural Structures of Decision and Motor Processes                                    | \$2,471,645 | \$0 | \$0       |
| 69 | 2025-11-02-69 | University of Delaware | Optimal, Dynamic, User-adaptive, Exoskeleton-assisted Training of Propulsion Mechanics  | \$770,200   | \$0 | \$0       |
| 70 | 2025-11-02-70 | University of Delaware | Cooperative Program between City of Wilmington Delaware and the University of Delaware  | \$0         | \$0 | \$67,797  |
| 71 | 2025-11-02-71 | University of Delaware | Blueprint Communities® Initiative   | \$0         | \$0 | \$698,265 |
| 72 | 2025-11-02-72 | University of Delaware | Unraveling the Regional Spread of Herbicide Resistance in the Northeast and Mid-Atlantic U.S.   | \$0         | \$0 | \$4,901   |
| 73 | 2025-11-02-73 | University of Delaware | Microrobot-guided Investigation of Ovarian Folliculogenesis   | \$275,000   | \$0 | \$0       |
| 74 | 2025-11-02-74 | University of Delaware | MARACOOS (Mid-Atlantic IOOS): Continuing to Strengthen Mid-Atlantic Infrastructure, Data Products and Services                                | \$3,886,579 | \$0 | \$0       |
| 75 | 2025-11-02-75 | University of Delaware | Implementing, Scaling, and Evaluating ACCESS Reading to Improve Reading Achievement Through Small-Group Tutoring in Grades Four and Five      | \$0         | \$0 | \$640,151 |
| 76 | 2025-11-02-76 | University of Delaware | Spontaneous Phase Separation, Emulsification, and Colloidal Stability of Acylated Peptides: Part II   | \$0         | \$0 | \$31,250  |
| 77 | 2025-11-02-77 | University of Delaware | Translational Partnership to Advance Targeted Immunotherapy Delivery in Head and Neck Cancer  | \$2,461,065 | \$0 | \$0       |
| 78 | 2025-11-02-78 | University of Delaware | Partnership: Pathogen-Microplastic Interactions In Food Products: Detection Innovations And Mitigation Methods                                | \$694,881   | \$0 | \$0       |
| 79 | 2025-11-02-79 | University of Delaware | Radar-Based Continuous Monitoring to Predict Agitation and Detect Undiagnosed Dementia  | \$0         | \$0 | \$21,366  |
| 80 | 2025-11-02-80 | University of Delaware | Developing Debiased Causal Transformer for Clinical Evidence Generation: Application to Repurposing Glucagon Like Peptide 1 Receptor Agonists | \$0         | \$0 | \$750,000 |
| 81 | 2025-11-02-81 | University of Delaware | Engineering Yarrowia Lipolytica To Enhance Oil Recovery   | \$383,210   | \$0 | \$0       |
| 82 | 2025-11-02-82 | University of Delaware | Lactic Acid-Mediated Protection of the Cervicovaginal Epithelium  | \$2,268,570 | \$0 | \$0       |
| 83 | 2025-11-02-83 | University of Delaware | Investigating the Neurobehavioral Consequences of Pre-Pregnancy Chronic Stress in a Rodent Model of Postpartum Mood Dysregulation             | \$100,000   | \$0 | \$0       |
| 84 | 2025-11-02-84 | University of Delaware | Veterans and College Athletes Together (VCAT)   | \$100,000   | \$0 | \$0       |
| 85 | 2025-11-02-85 | University of Delaware | DE 4H Teens as Teachers   | \$0         | \$0 | \$62,999  |
| 86 | 2025-11-02-86 | University of Delaware | Examining the Feasibility of Implementing a Website-based and a Group-based Storytelling Intervention for African Americans with Hypertension | \$150,000   | \$0 | \$0       |
| 87 | 2025-11-02-87 | University of Delaware | Synergistic Use of UV Light and Cold Plasma for Nonthermal Decontamination of Fresh Produce and Wash Water                                    | \$429,595   | \$0 | \$0       |
| 88 | 2025-11-02-88 | University of Delaware | HPV-RiskID: A Sequence-to-Risk Classifier Powered by Sequence Features of Viral Replication Origins and Proteins                              | \$275,000   | \$0 | \$0       |
| 89 | 2025-11-02-89 | University of Delaware | Ironscapes And Soil Nitrogen: Spatial Variation Of Iron Oxides And Their Controls On Nitrogen Transformations And Availability                | \$604,435   | \$0 | \$0       |
| 90 | 2025-11-02-90 | University of Delaware | Impact of Cystathionine Beta Synthase on Health and Aging.  | \$275,000   | \$0 | \$0       |

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|-----|---------------|------------------------|---|-----------|-----|-------------|
| 91  | 2025-11-02-91 | University of Delaware | Personal Pediatric Synthetic Voices for Assisted Communicators  | \$0       | \$0 | \$105,001   |
| 92  | 2025-11-02-92 | University of Delaware | Research Affiliation and Biomedical Services  | \$0       | \$0 | \$23,587    |
| 93  | 2025-11-02-93 | University of Delaware | Chatbot Sleep Intervention for College Student Mental Health in Campus Healthcare   | \$796,544 | \$0 | \$0         |
| 94  | 2025-11-02-94 | University of Delaware | Mechanisms Underlying Individual Vulnerability to Postpartum Mood Disorders   | \$0       | \$0 | \$270,000   |
| 95  | 2025-11-02-95 | University of Delaware | Partnership: From Cover Crop to Cash Crop: Quantifying the Role of Soil Organic Matter Pools as Mediators of Cover Crop Nitrogen Release        | \$747,253 | \$0 | \$0         |
| 96  | 2025-11-02-96 | University of Delaware | Efficacy of the Resilience Education Program: A Targeted Intervention for Youths at Risk for Internalizing Problems                             | \$0       | \$0 | \$867,900   |
| 97  | 2025-11-02-97 | University of Delaware | Preparing Future Parents: A Literacy-Based Parenting Curriculum for Secondary Schools   | \$0       | \$0 | \$63,000    |
| 98  | 2025-11-02-98 | University of Delaware | Customized PEM Electrolyzer Prototype Fabrication   | \$0       | \$0 | \$64,668    |
| 99  | 2025-11-02-99 | University of Delaware | Motion Planning and Navigation for Autonomous Surface Vehicles in Confined Environments   | \$0       | \$0 | \$13,205    |
| 100 | 2025-11-03-01 | University of Delaware | Chemosensitization of KMT2A Rearranged Pediatric AML  | \$0       | \$0 | \$38,766    |
| 101 | 2025-11-03-02 | University of Delaware | Collaborative Leadership Across the Humanities: Public Lecture and Workshop   | \$0       | \$0 | \$11,500    |
| 102 | 2025-11-03-03 | University of Delaware | Silica Rock Powder Soil Amendment Applications for Farms Affected by Phosphate Regulation   | \$0       | \$0 | \$52,502    |
| 103 | 2025-11-03-04 | University of Delaware | Preparing Delawareans with (Pre)Diabetes for Disasters  | \$0       | \$0 | \$9,000     |
| 104 | 2025-11-03-05 | University of Delaware | A Microbial Production Platform for Allelochemicals to Increase Crop Yield, Reduce Herbicide, and Fertilizer Use                                | \$210,000 | \$0 | \$0         |
| 105 | 2025-11-03-06 | University of Delaware | Partnership: Dual Function of Phosphite for Plant Nutrition and Weed Control: Tapping Synergistic Interaction for Improving Soil Health         | \$674,776 | \$0 | \$0         |
| 106 | 2025-11-03-07 | University of Delaware | Exchange Program: 21st Century Skills in the English Language Classroom   | \$0       | \$0 | \$121,392   |
| 107 | 2025-11-03-08 | University of Delaware | Factors Affect the Transfer of Bacterial Pathogens to Leafy Greens from Soils   | \$114,341 | \$0 | \$0         |
| 108 | 2025-11-03-09 | University of Delaware | Partnership: Understanding Tissue-Specific Cyanogenic Potential in Lima Bean to Optimize Breeding for Insect Resistance and Nutritional Value   | \$719,303 | \$0 | \$0         |
| 109 | 2025-11-03-10 | University of Delaware | EHR-Integrated Personalized LLMs for Pediatric Obesity Management: A Design and Validation Study  | \$342,101 | \$0 | \$0         |
| 110 | 2025-11-03-11 | University of Delaware | Towards Maize Waterlogging Tolerance: Strengthening the Genetic Foundation with Integrative Approaches  | \$210,010 | \$0 | \$0         |
| 111 | 2025-11-03-12 | University of Delaware | Establishing Connections in Estrogen Binding Affinity and Musculoskeletal Structure-function  | \$275,000 | \$0 | \$0         |
| 112 | 2025-11-03-13 | University of Delaware | Accelerated Lima Bean Breeding for Climate Resiliency Using AI-Driven High-Throughput Phenotyping   | \$455,023 | \$0 | \$0         |
| 113 | 2025-11-03-14 | University of Delaware | Partnership: Processing-Induced Changes Of Microbial Accessible Carbohydrates In Meat Analogs: Gut Microbiota And Antimicrobial Resistance Gene | \$663,531 | \$0 | \$0         |
| 114 | 2025-11-03-15 | University of Delaware | The Impact of Olfactomotor Syntax on Social Interaction and Neural Dynamics in Mice   | \$0       | \$0 | \$1,698,483 |

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|-----|---------------|------------------------|---|-----------|-----|-----------|
| 115 | 2025-11-03-16 | University of Delaware | Single Fiber Testing  | \$0       | \$0 | \$18,064  |
| 116 | 2025-11-03-17 | University of Delaware | Mitigating Off-Flavor Compounds and Enhancing Fish Growth Performance in Recirculating Aquaculture Systems Using Integrated Nanobubble-Cold Plasma Technology | \$0       | \$0 | \$203,680 |
| 117 | 2025-11-03-18 | University of Delaware | USDA NIFA McIntyre Stennis 26   | \$111,158 | \$0 | \$0       |
| 118 | 2025-11-03-19 | University of Delaware | Jefferson St. Center Inc 25/26 Partner Organization   | \$0       | \$0 | \$21,500  |
| 119 | 2025-11-03-20 | University of Delaware | Delaware Black Chamber of Commerce 25/26 Partner Organization   | \$0       | \$0 | \$21,500  |
| 120 | 2025-11-03-21 | University of Delaware | Animal Health and Disease Research Program FY26   | \$20,203  | \$0 | \$0       |
| 121 | 2025-11-03-22 | University of Delaware | University of Delaware Expanded Food and Nutrition Education Program (EFNEP) FY2026   | \$315,646 | \$0 | \$0       |
| 122 | 2025-11-03-23 | University of Delaware | The Influence of Phone-free School Policies on Children's Mental Health   | \$0       | \$0 | \$101,499 |
| 123 | 2025-11-03-24 | University of Delaware | University of Delaware Renewable Resources Extension Act FY26   | \$46,368  | \$0 | \$0       |
| 124 | 2025-11-03-25 | University of Delaware | Mothers' Childhood Experiences, Maternal Sensitivity, and Immune Regulation in Young Children   | \$0       | \$0 | \$9,330   |
| 125 | 2025-11-03-26 | University of Delaware | Coordination and Dissemination of Technical Assistance to Support Rural Communities, Region 3   | \$0       | \$0 | \$66,204  |
| 126 | 2025-11-03-27 | University of Delaware | A Novel Application of Phytochemicals to Enhance Antibiotic Efficacy  | \$139,825 | \$0 | \$0       |
| 127 | 2025-11-03-28 | University of Delaware | Play It Forward (Playground Update)   | \$0       | \$0 | \$20,000  |
| 128 | 2025-11-03-29 | University of Delaware | Epigenetic Biomarkers for Spastic Cerebral Palsy  | \$0       | \$0 | \$431,800 |
| 129 | 2025-11-03-30 | University of Delaware | Human Cervicovaginal Model of Menopause-associated Aging and Microbiome Remodeling  | \$317,817 | \$0 | \$0       |
| 130 | 2025-11-03-31 | University of Delaware | Multiscale Investigation of HBV Capsid Modulation by Small Molecules: Mechanisms of Assembly, Disassembly, and Drug Discovery                                 | \$0       | \$0 | \$833,335 |
| 131 | 2025-11-03-32 | University of Delaware | Building a System of Health Promotion: Referrals for Community Healthy Lifestyles Interventions   | \$234,196 | \$0 | \$0       |
| 132 | 2025-11-03-33 | University of Delaware | Magnon Spectroscopy of Quantum Spin Liquid Phases   | \$0       | \$0 | \$224,703 |
| 133 | 2025-11-03-34 | University of Delaware | Analytical & Measurement Platform for Real-Time Monitoring of Asparagopsis Productivity, Potency, and Purity & Health   | \$0       | \$0 | \$114,791 |
| 134 | 2025-11-03-35 | University of Delaware | Wireless Power Transfer for Soft Robots   | \$176,062 | \$0 | \$0       |
| 135 | 2025-11-03-36 | University of Delaware | Investigating the Role of microRNA-1 in Spindle Orientation during Mitosis  | \$0       | \$0 | \$40,000  |
| 136 | 2025-11-03-37 | University of Delaware | Plasma Nanobubble Water (PNBW) for Microbiome-Guided Enhancement of Hydroponic Crop Safety, Productivity, and Sustainability                                  | \$724,588 | \$0 | \$0       |
| 137 | 2025-11-03-38 | University of Delaware | Developing a Job Shadowing and Alumni Outreach Program for English Majors/Minors at the University of Delaware  | \$0       | \$0 | \$10,000  |
| 138 | 2025-11-03-39 | University of Delaware | Collaborative Research: Using Idealized Modeling to Systematically Evaluate Tropical-Extratropical Teleconnection Changes Across Historical Periods           | \$249,009 | \$0 | \$0       |

|     |               |                           |   |             |     |           |
|-----|---------------|---------------------------|---|-------------|-----|-----------|
| 139 | 2025-11-03-40 | University of Delaware    | Mobilizing a Great Lakes Microplastic Action Network  | \$0         | \$0 | \$48,288  |
| 140 | 2025-11-03-41 | University of Delaware    | Accessing Mental and Behavioral Health Services for Young Children and Caregivers   | \$0         | \$0 | \$167,049 |
| 141 | 2025-11-03-42 | University of Delaware    | The Effectiveness of State Postsecondary Funding Approaches   | \$0         | \$0 | \$11,355  |
| 142 | 2025-11-03-43 | University of Delaware    | Partnership between CRESP, RODEL, and DDOE to focus on Early Literacy   | \$0         | \$0 | \$409,091 |
| 143 | 2025-11-03-44 | University of Delaware    | GrowSmart: Pilot Trial of an AI-based Obesity Prevention Tool in Pediatric Primary Care   | \$0         | \$0 | \$184,787 |
| 144 | 2025-11-03-45 | University of Delaware    | Adolescent Wellbeing, Socialization, and American Democratic Health   | \$0         | \$0 | \$175,000 |
| 145 | 2025-11-03-46 | University of Delaware    | Development of Novel Silica-caged Phosphorus Nano Fertilizer for Sustainable Agriculture  | \$178,044   | \$0 | \$0       |
| 146 | 2025-11-03-47 | University of Delaware    | Clearing the Smoke: Shared-Decision Making & Medical Cannabis Use - A "Brokered Dialogue" Approach  | \$0         | \$0 | \$48,515  |
| 147 | 2025-11-03-48 | University of Delaware    | From Ingestion to Injury: Gut Health Consequences of Dietary Micro- and Nanoplastics  | \$455,017   | \$0 | \$0       |
| 148 | 2025-11-03-49 | University of Delaware    | Understanding Ancient Microbiomes for Plant Health and Nutrient Acquisition   | \$753,038   | \$0 | \$0       |
| 149 | 2025-11-03-50 | University of Delaware    | Time Restricted Eating for Dysregulated Eating Among Emerging Adult Women: A Single-Armed Mechanistic Clinical Trial                              | \$0         | \$0 | \$99,997  |
| 150 | 2025-11-03-51 | University of Delaware    | Pomo Baskets, Woven Futures   | \$0         | \$0 | \$15,000  |
| 151 | 2025-11-03-52 | University of Delaware    | Weatherproofing the Chain: Understanding How Extreme Weather Shocks Disrupt Distribution Networks   | \$0         | \$0 | \$31,517  |
| 152 | 2025-11-03-53 | University of Delaware    | A Computational Approach to Predicting Treatment Outcomes for Children with Developmental Language Disorder                                       | \$0         | \$0 | \$111,056 |
| 153 | 2025-11-08-01 | Delaware State University | Capture of Harmful Radioactive Contaminants from Off-gas Stream Using Metal-Organic Hybrid based Composite Nanomats                               | \$389,888   | \$0 | \$0       |
| 154 | 2025-11-08-02 | Delaware State University | Impact of Herbal Plant Extracts on the Gut Microbiome and their Therapeutic Potential in Colorectal Cancer  | \$300,000   | \$0 | \$0       |
| 155 | 2025-11-08-03 | Delaware State University | 2026 Agriculture Extension  | \$2,829,100 | \$0 | \$0       |
| 156 | 2025-11-08-04 | Delaware State University | 2026 Evans Allen (Research)   | \$1,662,627 | \$0 | \$0       |
| 157 | 2025-11-08-05 | Delaware State University | Microbial Social Behaviors as Drivers of Antimicrobial Resistance Persistence in Catfish Spoilage: Integrative Genomics and AI-Powered Prediction | \$997,269   | \$0 | \$0       |
| 158 | 2025-11-08-06 | Delaware State University | Investigating Physiological and Genetic Mechanisms of Drought Stress Responses in Sugar Maple ( <i>Acer saccharum</i> M.)                         | \$299,736   | \$0 | \$0       |
| 159 | 2025-11-08-07 | Delaware State University | Carbon-doping and Point Defect Engineering for Single Photon Emitter Control (C-SPEC)   | \$999,801   | \$0 | \$0       |
| 160 | 2025-11-08-08 | Delaware State University | Theoretical Study of Ultracold Atoms in an Optical Lattice  | \$222,348   | \$0 | \$0       |
| 161 | 2025-11-08-09 | Delaware State University | Flexible Low Altitude Routing & Elasticity (FLARE)  | \$50,000    | \$0 | \$0       |
| 162 | 2025-11-08-10 | Delaware State University | Excellence in Research—Investigating the Role of TRP-4 in Modulating Dopaminergic Synaptic Homeostasis in <i>C. Elegans</i>                       | \$699,308   | \$0 | \$0       |

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|-----|---------------|---------------------------|--|-----------|-----|-----|
| 163 | 2025-11-08-11 | Delaware State University | 2026 McIntire Stennis: Omics Approach to Understand Sugar Maple Response to Drought Stress   | \$148,212 | \$0 | \$0 |
| 164 | 2025-11-08-12 | Delaware State University | Research Initiation Award: Recovery and Detection of <i>Salmonella Enterica</i> in Surface Water using Modified Enrichment Techniques          | \$449,991 | \$0 | \$0 |
| 165 | 2025-11-08-13 | Delaware State University | Expanded Food and Nutrition Education Program Year Two   | \$105,052 | \$0 | \$0 |
| 166 | 2025-11-08-14 | Delaware State University | Assessment of Multidrug-resistant Zoonotic Bacteria in Backyard Chicken Farms on the Delmarva Peninsula  | \$70,800  | \$0 | \$0 |
| 167 | 2025-11-08-15 | Delaware State University | Graph-Base Computational Discovery and Experimental Validation of Novel Oncogenes and tumor Suppressor Genes in Acute Myeloid Leukemia         | \$72,987  | \$0 | \$0 |
| 168 | 2025-11-08-16 | Delaware State University | Chatbot Sleep Intervention for College Student Mental Health in Campus Healthcare  | \$87,206  | \$0 | \$0 |
| 169 | 2025-11-08-17 | Delaware State University | Comparative Immunomics in <i>Xenopus</i> : Unraveling Interferon Signaling, Viral Mimicry, and Evolutionary Adaptations in Vertebrate Immunity | \$355,985 | \$0 | \$0 |
| 170 | 2025-11-08-18 | Delaware State University | The Healing Mathroom: Turning Math Classrooms into Healing Spaces  | \$401,287 | \$0 | \$0 |

Created 11/5/2025

**Delaware State Clearinghouse Committee**  
**Revised December Agenda**  
**Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901**  
**December 16, 2025 @ 10:00am**

| Item                 | SAI#           | Applicant   | Project Title  | Federal         | Funding State | Other     | Federal | Positions State | Other |
|----------------------|----------------|---|--|-----------------|---------------|-----------|---------|-----------------|-------|
| <b>New Business*</b> |                |   |  |                 |               |           |         |                 |       |
| 1                    | 6981           | Executive, Criminal Justice, Criminal Justice Council   | Community Oriented Policing Services Accreditation Grant                                       | \$300,000       | \$0           | \$0       | 0.14    | 0.00            | 0.00  |
| 2                    | 6978           | Department of Health and Social Services, Public Health Community Health                                  | Rural Health Transformation Program  | \$1,000,000,000 | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 3                    | 6973           | Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife | State and Interstate Aquatic Nuisance Species Plan   | \$72,570        | \$24,190      | \$0       | 0.13    | 0.15            | 0.00  |
| 4                    | 2025-09-11-01  | Red Clay School District  | Opioid Recovery Trust Grant  | \$0             | \$0           | \$500,000 | 0.00    | 0.00            | 0.00  |
| 5                    | 6968           | Department of Health and Social Services, Medicaid and Medical Assistance                                 | Juvenile Justice   | \$1,003,448     | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| <b>Continued</b>     |                |   |  |                 |               |           |         |                 |       |
| 1                    | 6940           | Executive, Criminal Justice, Criminal Justice Council   | Residential Substance Abuse Treatment  | \$243,862       | \$81,287      | \$0       | 0.22    | 0.06            | 0.00  |
| 2                    | 6955           | Executive, Criminal Justice, Criminal Justice Council   | Services-Training-Officers-Prosecutors (STOP) Violence Against Women Act Formula Grant Program | \$1,028,848     | \$159,375     | \$144,611 | 2.28    | 0.76            | 0.00  |
| 3                    | 6990           | Legal, Department of Justice  | Internet Crimes Against Children   | \$374,477       | \$0           | \$0       | 2.00    | 0.00            | 0.00  |
| 4                    | 6910           | Department of Health and Social Services, Public Health, Community Health                                 | Delaware Public Water System Supervision   | \$647,849       | \$518,572     | \$0       | 7.50    | 5.90            | 0.00  |
| 5                    | 6946 Amendment | Department of Health and Social Services, Division of Health Care Quality                                 | Centers for Medicare and Medicaid Services Survey and Certification - Hospice                  | \$13,471        | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 6                    | 6959           | Department of Health and Social Services, Public Health, Community Health                                 | Women, Infants and Children (WIC) Farmers' Market Nutrition Program - Administration           | \$17,976        | \$30,706      | \$0       | 0.00    | 0.34            | 0.00  |
| 7                    | 6960           | Department of Health and Social Services, Public Health, Community Health                                 | Women, Infants, and Children (WIC) Farmers' Market Nutrition Program - Food                    | \$87,767        | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 8                    | 6969           | Department of Health and Social Services, Public Health, Community Health                                 | Delaware Perinatal Cooperative   | \$200,000       | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 9                    | 6989           | Department of Health and Social Services, Public Health, Community Health                                 | Preventive Health and Health Services Block Grant  | \$329,926       | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 10                   | 6965           | Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment    | Adoption Incentive Payment Program   | \$261,000       | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 11                   | 6967           | Department of Natural Resources and Environmental Control, Watershed Stewardship                          | Shelffish Training, Administration of Food and Drug Officials Travel Grant                     | \$7,263         | \$0           | \$0       | 0.00    | 0.00            | 0.00  |
| 12                   | 6964           | Department of Labor, Employment and Training, Employment and Training Services                            | Workforce Innovation and Opportunity Act - Dislocated Worker                                   | \$2,264,995     | \$0           | \$0       | 12.88   | 0.00            | 0.00  |
| 13                   | 6966           | Department of Labor, Employment and Training, Employment and Training Services                            | Workforce Innovation and Opportunity Act - Adult   | \$3,056,641     | \$0           | \$0       | 11.32   | 0.00            | 0.00  |
| 14                   | 6988           | Department of Agriculture, Forest Service   | Forest Consolidated Payment Grant  | \$657,118       | \$609,286     | \$47,832  | 4.00    | 5.24            | 0.00  |
| 15                   | 6995           | Department of Education, Early Childhood Support  | Preschool Development Grant  | \$11,503,500    | \$3,451,050   | \$0       | 0.00    | 0.00            | 0.00  |



**Higher Education**

|    |               |                                      |   |             |     |             |
|----|---------------|--------------------------------------|---|-------------|-----|-------------|
| 1  | 6980          | Delaware Technical Community College | Delaware INBRE  | \$204,000   | \$0 | \$0         |
| 2  | 2025-11-29-02 | University of Delaware               | Sources of Processing Asymmetry in Alternative Word Order Sentences   | \$6,536     | \$0 | \$0         |
| 3  | 2025-11-29-03 | University of Delaware               | CIFAR Humans & the Microbiome Program 2025-2026   | \$0         | \$0 | \$22,085    |
| 4  | 2025-11-29-04 | University of Delaware               | Toward Resistance: Molecular and Genetic Bases of Host-Pathogen Interactions During Early Infection of Pythium Root Rot in Maize      | \$642,524   | \$0 | \$0         |
| 5  | 2025-11-29-05 | University of Delaware               | Astazeneca Biopharmaceutical Innovation 4+1 Program   | \$0         | \$0 | \$409,775   |
| 6  | 2025-11-29-06 | University of Delaware               | Building a Comprehensive Network for Farm and Ranch Stress Assistance in the NE   | \$0         | \$0 | \$119,253   |
| 7  | 2025-11-29-07 | University of Delaware               | NIIMBL Global Health Partner Support  | \$0         | \$0 | \$1,363,636 |
| 8  | 2025-11-29-08 | University of Delaware               | Adventitious Agent Testing with NGS   | \$0         | \$0 | \$1,363,636 |
| 9  | 2025-11-29-09 | University of Delaware               | Center of Biomedical Research Excellence in Cardiovascular Health - Phase 3   | \$3,750,000 | \$0 | \$0         |
| 10 | 2025-11-29-10 | University of Delaware               | Braven, Inc. Public Ally Partner Organization   | \$0         | \$0 | \$22,500    |
| 11 | 2025-11-29-11 | University of Delaware               | Collaborative Research: Predictive Modeling of Coupled Nanoparticle Membrane Mechanics as Determinants of Endocytic Pathways          | \$203,819   | \$0 | \$0         |
| 12 | 2025-11-29-12 | University of Delaware               | Mechanisms of Brain Mechanics Across Development in a Rat Model of FASD   | \$2,253,250 | \$0 | \$0         |
| 13 | 2025-11-29-13 | University of Delaware               | Introduction to Contemporary English Language Teaching Methods - Winter/Spring/Summer 2026 Instructional Services                     | \$0         | \$0 | \$195,107   |
| 14 | 2025-11-29-14 | University of Delaware               | Documenting Dairy Farms in Northern Maryland Phase 4  | \$0         | \$0 | \$26,087    |
| 15 | 2025-11-29-15 | University of Delaware               | Bioengineering Stratified Cartilage Through Bioinspired Matrix Stiffening   | \$0         | \$0 | \$246,985   |
| 16 | 2025-11-29-16 | University of Delaware               | Investigating the Impact of Nanoplastics on the Poultry Reproductive Microbiome   | \$454,879   | \$0 | \$0         |
| 17 | 2025-11-29-17 | University of Delaware               | Delaware Sea Grant Omnibus Mid-Cycle Research Projects 2026-2027  | \$1,147,720 | \$0 | \$0         |
| 18 | 2025-11-29-18 | University of Delaware               | Magnonic Straintronics: Strain Engineering of Magnonic Hybrid Systems   | \$381,800   | \$0 | \$0         |
| 19 | 2025-11-29-19 | University of Delaware               | NIFA USDA Hatch Multistate FY26   | \$548,128   | \$0 | \$0         |
| 20 | 2025-11-29-20 | University of Delaware               | Smith-Lever Act Capacity Grant FY2026   | \$1,446,288 | \$0 | \$0         |
| 21 | 2025-11-29-21 | University of Delaware               | AI-Enabled Microrobotic Platform for Autonomous Navigation and Targeting in Vasculation   | \$275,000   | \$0 | \$0         |
| 22 | 2025-11-29-22 | University of Delaware               | NIFA Hatch Regular Bowman 26  | \$1,185,706 | \$0 | \$0         |
| 23 | 2025-11-29-23 | University of Delaware               | Partnership: Improving Oak Forest Productivity: Seed Source Selection Based on Physiological Responses Across Environmental Gradients | \$706,326   | \$0 | \$0         |
| 24 | 2025-11-29-24 | University of Delaware               | From Migration to Microbes: Multi-Scale Drivers of Resistance and Biological Control in the Diamondback Moth                          | \$0         | \$0 | \$139,965   |

|    |               |                        |   |              |     |           |
|----|---------------|------------------------|---|--------------|-----|-----------|
| 25 | 2025-11-29-25 | University of Delaware | Predictive Ultrafast Low-Rank Simulations Via Embedded Tensor Networks  | \$0          | \$0 | \$28,183  |
| 26 | 2025-11-29-26 | University of Delaware | Characterizing the Mechanisms of Fungal Inhibition, Root Growth, and Adaptation to Tomato in the Potential Biocontrol Bacterium, <i>Bacillus Velezensis</i> | \$486,295    | \$0 | \$0       |
| 27 | 2025-11-29-27 | University of Delaware | Improving Livestock Gut Health and Feed Efficiency Via Ultrasonic Cryo-Spray Drying and Feed Processing Optimization  | \$210,011    | \$0 | \$0       |
| 28 | 2025-11-29-28 | University of Delaware | Circuits and Mechanisms Through Which Basal Forebrain Cholinergic Neurons Facilitate Fear Extinction  | \$2,187,675  | \$0 | \$0       |
| 29 | 2025-11-29-29 | University of Delaware | Chronic Low Back Pain in Older Adults: The Role of Co-Existing Hip Impairments  | \$8,346,645  | \$0 | \$0       |
| 30 | 2025-11-29-30 | University of Delaware | Propel: Strengthening Biomanufacturing Through Mobile Labs for Technology and Workforce Advancement   | \$13,125,000 | \$0 | \$0       |
| 31 | 2025-11-29-31 | University of Delaware | Collaborative Research: CPS-FR: Embodied Intelligent Agents, Multimodal AI, and Quantitative Ethnography for Training Geriatric Caregiving Communities      | \$296,082    | \$0 | \$0       |
| 32 | 2025-11-29-32 | University of Delaware | Time Restricted Eating for Dysregulated Eating Among Emerging Adult Women: A Single-Armed Mechanistic Clinical Trial  | \$1,557,417  | \$0 | \$0       |
| 33 | 2025-11-29-33 | University of Delaware | Understanding Chicken Gut Health: Quantifying Early-Life Stress Damage and In-Ovo Gains In Broiler Barrier, Nutrient Sensing, and Transport                 | \$209,346    | \$0 | \$0       |
| 34 | 2025-11-29-34 | University of Delaware | Assessing the Effects of Soil Amendment and Subsoiling on Compacted Urban Land in the District of Columbia  | \$0          | \$0 | \$30,840  |
| 35 | 2025-11-29-35 | University of Delaware | Safeguarding Broiler Nutrient Efficiency Under Nanoplastics Stress ADME Mapping, Chronic Impacts, and Nanocurcumin Feed Mitigation                          | \$449,341    | \$0 | \$0       |
| 36 | 2025-11-29-36 | University of Delaware | Decoupled Energy Cascades of Plasma Turbulence in the Presence of Compression and Anisotropy  | \$383,528    | \$0 | \$0       |
| 37 | 2025-11-29-37 | University of Delaware | Collaborative Research: NSF-BSF: Transforming the Design of Robot Navigation Functions with Targeted Machine Learning Interventions                         | \$292,563    | \$0 | \$0       |
| 38 | 2025-11-29-38 | University of Delaware | Planting Timing Interactions with Nitrogen and Sulfur Availability  | \$0          | \$0 | \$12,899  |
| 39 | 2025-11-29-39 | University of Delaware | Developing Local Capacity for Curriculum-Based Coaching in Elementary Mathematics   | \$592,764    | \$0 | \$0       |
| 40 | 2025-11-29-40 | University of Delaware | AI-Supported P-PBL  | \$381,182    | \$0 | \$0       |
| 41 | 2025-11-29-41 | University of Delaware | Developing a Personalizable Intervention for Sentence Comprehension in Kids with Developmental Language Disorders   | \$2,883,404  | \$0 | \$0       |
| 42 | 2025-11-29-42 | University of Delaware | Electrification/V2X Standards and Open Source Efforts for the North American (and Japan) Charging System  | \$0          | \$0 | \$62,500  |
| 43 | 2025-11-29-43 | University of Delaware | Is Therapeutic Exercise Beneficial for Articular Cartilage and Subchondral Bone in Adults with Advanced Knee Osteoarthritis?                                | \$620,805    | \$0 | \$0       |
| 44 | 2025-11-29-44 | University of Delaware | Novel Interaction at the Protei Level Between Six1 and Notch Signaling Mediated by Hey factors  | \$1,250,000  | \$0 | \$0       |
| 45 | 2025-11-29-45 | University of Delaware | Minor Consent Laws and Adolescent Access to Mental Health and Substance Use Treatment   | \$2,814,651  | \$0 | \$0       |
| 46 | 2025-11-29-46 | University of Delaware | Guiding Innate Signaling in Skin with Microneedle Arrays to Remote Durable Antigen-Specific Tolerance During Autoimmunity                                   | \$0          | \$0 | \$255,575 |
| 47 | 2025-11-29-47 | University of Delaware | Impairment-Based Low Back Pain Subgrouping to Develop Personalized Care Pathways  | \$2,499,995  | \$0 | \$0       |
| 48 | 2025-11-29-48 | University of Delaware | Utilizing Laser Induced Breakdown Spectroscopy (LIBS) for Soil Fertility Analysis   | \$0          | \$0 | \$49,428  |

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|----|---------------|------------------------|---|-------------|-----|-------------|
| 49 | 2025-11-29-49 | University of Delaware | Are Interventions Supporting Physical Activity Modified by the Environment (InSPACE)  | \$0         | \$0 | \$375       |
| 50 | 2025-11-29-50 | University of Delaware | Expanding Awareness of Pasture, Rangeland and Forage Rainfall Index Insurance in the Midwest  | \$0         | \$0 | \$16,835    |
| 51 | 2025-11-29-51 | University of Delaware | Educating Western Producers About Interval Choices and Basis Risk in the Pasture, Rangeland and Forage Rainfall Index Insurance Program             | \$0         | \$0 | \$9,642     |
| 52 | 2025-11-29-52 | University of Delaware | Bermuda Offshore Wind Farm Seabed Characterization.   | \$0         | \$0 | \$1,041,321 |
| 53 | 2025-11-29-53 | University of Delaware | Creating New Tactile Sensations for Tactile Aids with Designer Materials  | \$1,919,366 | \$0 | \$0         |
| 54 | 2025-11-29-54 | University of Delaware | Unraveling the Nature of Compressible Plasma Turbulence: Theory, Simulation, and Space Observations   | \$0         | \$0 | \$80,912    |
| 55 | 2025-11-29-55 | University of Delaware | Probiotic Encapsulation and Delivery Using Modular Microgels to Promote Diabetic Wound Healing  | \$2,985,735 | \$0 | \$0         |
| 56 | 2025-11-29-56 | University of Delaware | Using Wearable Artificial Intelligence to Strengthen Ambulatory Assessments of Daily Stress Experiences in Naturalistic Environments                | \$444,513   | \$0 | \$0         |
| 57 | 2025-11-29-57 | University of Delaware | Systems-Level Regulation Of Post-Hatch Growth: Integrating Networks Between The Chicken Liver And Breast Muscle                                     | \$453,444   | \$0 | \$0         |
| 58 | 2025-11-29-58 | University of Delaware | Salt Squeeze of Mid-Atlantic Wetlands: Comparative Assessment of the Effects of Road Salt Versus Seawater Salinization on Nitrogen (N) Removal      | \$236,422   | \$0 | \$0         |
| 59 | 2025-11-29-59 | University of Delaware | Rethinking Rotations: Integrated Management Strategies for Reduction of Fusarium Head Blight and Mycotoxin Levels in Wheat                          | \$0         | \$0 | \$12,962    |
| 60 | 2025-11-29-60 | University of Delaware | Collaborative Research: Computational and Mathematical Modeling for Efficient Design of Integrated Energy Micro-Generators                          | \$215,490   | \$0 | \$0         |
| 61 | 2025-11-29-61 | University of Delaware | Co-Designed mHealth Intervention to Enhance Physical Activity and Psychosocial Health in Families with Autistic Youth                               | \$0         | \$0 | \$5,000     |
| 62 | 2025-11-29-62 | University of Delaware | Phase V - Biochar Amendment of Bioretention and Highway Greenspace Study MOU  | \$0         | \$0 | \$121,102   |
| 63 | 2025-11-29-63 | University of Delaware | A New Paradigm for Transfer Learning, with Application to Predicting Residue Contact in Proteins  | \$0         | \$0 | \$100,000   |
| 64 | 2025-11-29-64 | University of Delaware | Collaborative Research: Spectroscopic Characterization of OBA Stars with Presumably Rotationally-Modulated Light Curves                             | \$48,780    | \$0 | \$0         |
| 65 | 2025-11-29-65 | University of Delaware | Collaborative Research: Evolutionary Pathways for Magnetic Massive Stars  | \$321,450   | \$0 | \$0         |
| 66 | 2025-11-29-66 | University of Delaware | Delaware Apex FY27 Bowman   | \$382,522   | \$0 | \$0         |
| 67 | 2025-11-29-67 | University of Delaware | Struggling Citizens: What Mental Health Professionals Can Teach Us About Political Conflict in America  | \$0         | \$0 | \$199,819   |
| 68 | 2025-11-29-68 | University of Delaware | Community Engagement to Support Land Use Reform in Delaware   | \$0         | \$0 | \$37,875    |
| 69 | 2025-11-29-69 | University of Delaware | Glial and Neuronal Structure and Function in Developmental Stuttering-Related Gnatlab Mouse Model   | \$275,000   | \$0 | \$0         |
| 70 | 2025-11-29-70 | University of Delaware | Catalyzing AI Challenge Teams in the Mid-Atlantic Region  | \$17,707    | \$0 | \$0         |
| 71 | 2025-11-29-71 | University of Delaware | Collaborative Research: WoU-MMA: IceCube Data Analysis in the U.S. 2026-2029  | \$389,009   | \$0 | \$0         |
| 72 | 2025-11-29-72 | University of Delaware | Vera Rubin Observatory: Multi-Messenger Science Enabled by the Implementation of Community-Driven Strategies and Coordinated Follow-up Observations | \$0         | \$0 | \$51,856    |

|    |               |                        |  |           |     |           |
|----|---------------|------------------------|--|-----------|-----|-----------|
| 73 | 2025-11-29-73 | University of Delaware | A Critical, Ecological Perspective on Wallace Foundation Research Production, Diffusion, and Use   | \$0       | \$0 | \$28,696  |
| 74 | 2025-11-29-74 | University of Delaware | DSFAS-CIN-FM: Automating HPAI Risk Assessments Using Waterfowl Modeling and Multimodal AI for Commercial Poultry and Dairy Farmers in the U.S.     | \$0       | \$0 | \$202,474 |
| 75 | 2025-11-29-75 | University of Delaware | Quantifying the Nitrogen Value and Yield Benefits of Manure to Improve Sustainable Cropping in the Northeast                                       | \$267,387 | \$0 | \$0       |
| 76 | 2025-11-29-76 | University of Delaware | Delaware's Quality Improvement System (QIS) for Early Care & Education Programs  | \$0       | \$0 | \$68,000  |
| 77 | 2025-11-29-77 | University of Delaware | AAP/CDC Ambassador 24-26 Supplemental  | \$0       | \$0 | \$11,085  |
| 78 | 2025-11-29-78 | University of Delaware | Change in Contraceptive Behavior and Associated Pregnancy Intentions About Births Following the Dobbs Decision                                     | \$336,603 | \$0 | \$0       |
| 79 | 2025-11-29-79 | University of Delaware | TIS Knotted Belly Bind Wearable  | \$0       | \$0 | \$3,000   |
| 80 | 2025-11-29-80 | University of Delaware | Examining Undergraduate Black Men's Discriminatory Interactions with College Career Services Staff Members at Historically White Institutions      | \$0       | \$0 | \$3,000   |
| 81 | 2025-11-29-81 | University of Delaware | Using Longitudinal Research to Engage Youth in the HIV Prevention and Care Continua and Reduce HIV/AIDS-Related Disparities                        | \$0       | \$0 | \$185,564 |
| 82 | 2025-11-29-82 | University of Delaware | Collaborative Research: WoU-MMA: RNO-G Data Analysis in the U.S. 2026-2029   | \$228,760 | \$0 | \$0       |
| 83 | 2025-11-29-83 | University of Delaware | WoU-MMA: Scrutinizing Galactic Cosmic Rays by Combining Radio and Muon Detection at the Pierre Auger Observatory                                   | \$629,937 | \$0 | \$0       |
| 84 | 2025-11-29-84 | University of Delaware | WoU-MMA: Exploring the Extreme Universe with Imaging Atmospheric Cherenkov Telescopes  | \$633,368 | \$0 | \$0       |
| 85 | 2025-11-29-85 | University of Delaware | Delaware's Quality Improvement System (QIS) for Early Care & Education Programs  | \$0       | \$0 | \$254,400 |
| 86 | 2025-11-29-86 | University of Delaware | NOAA NWS National Mesonet Program 2021 - Amend 13  | \$0       | \$0 | \$69,599  |
| 87 | 2025-11-29-87 | University of Delaware | Democratizing Multimodal Social Media Research with Human-Centered Agentic AI  | \$0       | \$0 | \$70,000  |
| 88 | 2025-11-29-88 | University of Delaware | Parkinson's Disease Telehealth Clinic 2026   | \$0       | \$0 | \$24,000  |
| 89 | 2025-11-29-89 | University of Delaware | Robust Finite Element Discretization for Convection Dominated Problems Using Novel Bubble Upwinding Strategies                                     | \$215,093 | \$0 | \$0       |
| 90 | 2025-11-29-90 | University of Delaware | Enhancing the Future of Recreational Fishing in the Mid-Atlantic Region through Enhanced Fish Passage  | \$62,025  | \$0 | \$0       |
| 91 | 2025-11-29-91 | University of Delaware | A Predictive Turbulent Mix Model for Magnetized High-Energy-Density Plasmas  | \$293,603 | \$0 | \$0       |
| 92 | 2025-11-29-92 | University of Delaware | Exploring the Nature of Magnetic Reconnection in Turbulent Plasmas   | \$360,200 | \$0 | \$0       |
| 93 | 2025-11-29-93 | University of Delaware | Establishing the Science Behind Alzheimer's Recruitment Registries: Opportunities for Increasing Diversity and Accelerating Enrollment into Trials | \$0       | \$0 | \$227,736 |
| 94 | 2025-11-29-94 | University of Delaware | Collaborative Research: Moment-Enhanced Shallow Water Models for Free Surface Flows  | \$152,876 | \$0 | \$0       |
| 95 | 2025-11-29-95 | University of Delaware | Category III: Citadel-P: Cyberinfrastructure for Intelligent, Trustworthy, Autonomous, and Efficient Data Lifecycle Management Keyword: Citadel-P  | \$0       | \$0 | \$38,406  |
| 96 | 2025-11-29-96 | University of Delaware | Remaking the World of Arturo Schomburg   | \$0       | \$0 | \$99,097  |

|     |                            |                           |   |             |     |          |
|-----|----------------------------|---------------------------|---|-------------|-----|----------|
| 97  | 2025-11-29-97              | University of Delaware    | Linking Marsh Migration and Sulfurization to Carbon Burial in Transgressive Salt Marshes  | \$478,084   | \$0 | \$0      |
| 98  | 2025-11-29-98              | University of Delaware    | Development of High-Precision Atomic Methods and New Physics Searches   | \$286,868   | \$0 | \$0      |
| 99  | 2025-11-29-99              | University of Delaware    | Determination of a New Litter Amendment on Ammonia Control in Broiler Houses Under Winter Conditions  | \$0         | \$0 | \$31,321 |
| 100 | 2025-11-30-01              | University of Delaware    | Probing Environmental Macro-to-Molecular Drivers of Aggressive Breast Cancers for More Effective Therapeutic Strategies                           | \$3,074,686 | \$0 | \$0      |
| 101 | 2025-11-30-02              | University of Delaware    | UR2PhD: Undergraduate Research to PhD National Mentoring Program  | \$0         | \$0 | \$29,320 |
| 102 | 2025-11-30-03              | University of Delaware    | Open Quantum System Treatment of Ultralight Dark Matter Detection   | \$280,931   | \$0 | \$0      |
| 103 | 2025-11-30-04              | University of Delaware    | Advancing Soft Material Characterization: A Software Platform for Small-Angle Scattering Data Analysis  | \$302,547   | \$0 | \$0      |
| 104 | 2025-11-30-05              | University of Delaware    | Amendment 2/SANOFI LNP Project  | \$0         | \$0 | \$37,500 |
| 105 | 2021-11-06-01<br>Amendment | Delaware State University | Clinically Interpretable Multimodal Prediction of ICU Outcomes Using Structured and Unstructured EHR Data   | \$50,000    | \$0 | \$0      |
| 106 | 2022-02-05-05<br>Amendment | Delaware State University | Predicting Opioid Consumption Patterns Among People Seeking Treatment for Substance Use Disorders / AMEND   | \$49,409    | \$0 | \$0      |
| 107 | 2025-09-05-01<br>Amendment | Delaware State University | INBRE V (Federal)   | \$117,815   | \$0 | \$0      |
| 108 | 2025-12-01-01              | Delaware State University | Exploring the Potential Use of Njangsa (Ricinodendron heudelotii) Oil Seeds in Poultry Diets to Enhance Poultry Health and Product Quality        | \$650,000   | \$0 | \$0      |
| 109 | 2025-12-01-02              | Delaware State University | Infusing Neuroscience-Informed Argumentation to Enhance Engagement and Retention in Introductory Biology at Delaware State University             | \$399,744   | \$0 | \$0      |
| 110 | 2025-12-01-03              | Delaware State University | aiNsect - Volatile-Guided, AI-Enabled Pest Management in Diversified Berry Systems  | \$750,000   | \$0 | \$0      |
| 111 | 2025-12-01-04              | Delaware State University | Developing an Innovative Research Approach to Understanding Functional Genomics in Plant Abiotic and Biotic Stresses at Delaware State University | \$749,722   | \$0 | \$0      |
| 112 | 2025-12-01-05              | Delaware State University | Touch, Listen and Learn: Developing a New Method for Testing Blind Infants  | \$25,000    | \$0 | \$0      |
| 113 | 2025-12-01-06              | Delaware State University | NCAA Accelerating Academic Success Program - Single Year Grant: DSU Athletics Academic Support Area   | \$116,634   | \$0 | \$0      |

Revised 12/12/2025