Delaware State Clearinghouse Committee
January Agenda
Meeting to be Held Virtually - Meeting Information/Instructions Attached
Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901
January 18, 2022 @ 10:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5218 now 5259	Executive, Criminal Justice, Criminal Justice Council	Democratic National Convention (DNC) Presidential Protection	$378,485	$0	$0	0.00	0.00	0.00
2	5107	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Detection & Mitigation in Confinement Facilities - ARP COVID-19	$1,820,000	$0	$0	0.00	0.00	0.00
3	5214 now 5261	Department of Health and Social Services, Public Health, Community Health	Clinical Laboratory Improvement Amendments Continuation Grant and Switch Fund Request	$55,292	$48,607	$0	0.48	0.52	0.00
4	5219	Department of Health and Social Services, State Service Centers	AmeriCorps Community Services Supplement - ARP COVID-19	$265,000	$265,000	$0	0.00	0.82	0.00
5	5252	Department of Health and Social Services, Substance Abuse and Mental Health	Substance Abuse Block Grant COVID Mitigation - ARP COVID-19	$125,000	$0	$0	0.00	0.00	0.00
6	5253	Department of Health and Social Services, Community Mental Health	Mental Health Block Grant COVID Mitigation - ARP COVID-19	$125,000	$0	$0	0.00	0.00	0.00
7	2021-09-28-01	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Behavioral Health Services Information Systems - Substance Abuse Prevention Treatment	$0	$0	$33,816	0.00	0.00	0.00
8	2021-09-28-02	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Behavioral Health Services Information Systems - Mental Health	$0	$0	$137,363	0.00	0.00	0.00
9	5223	Department of Agriculture, Administration	Seafood Processors Pandemic Response and Safety Block Grant - CRRSA COVID-19	$200,000	$0	$0	0.00	0.00	0.00
10	5257	Department of Education, Student Support	Supply Chain Assistance	$2,877,333	$0	$0	0.00	0.00	0.00
Continued									
1	5229	Executive, Office of Management and Budget, Food Distribution	The Emergency Food Assistance Program	$330,000	$107,995	$0	1.40	2.70	0.00
2	5230	Executive, Office of Management and Budget, Food Distribution	Commodity Supplemental Food Program	$137,576	$0	$0	0.00	0.00	0.00
3	5236	Executive, Office of Management and Budget, Food Distribution	State Administrative Expense Funds	$125,322	$0	$0	0.60	0.00	0.00
4	5217	Executive, Criminal Justice, Criminal Justice Council	Edward Byrne Justice Assistance Grant	$972,844	$0	$0	0.60	0.00	0.00
5	5148 now 5263	Department of Health and Social Services, Public Health, Community Health	Ryan White Care Act Title II	$5,062,220	$0	$0	3.55	0.00	0.00
6	5224 now 5258	Department of Health and Social Services, Public Health, Community Health	Maternal, Infant and Early Childhood Home Visiting - Innovation Awards	$1,892,092	$1,219,950	$0	0.00	0.00	0.00
7	5215	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 154 Sanction Grant	$1,193,660	$0	$0	0.00	0.00	0.00
8	5225	Department of Transportation, Planning	Delaware Aviation System Planning	$145,000	$0	$0	0.00	0.00	0.00
9	5209	Department of Agriculture, Administration	Senior Farmer's Market Nutrition Program	$50,000	$20,000	$0	0.00	0.00	0.00

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Available on the internet at http://budget.delaware.gov/clearinghouse/abm.shtml

Higher Education

1	2020-07-18-02 Amendment	Delaware State University	Social Behavioral and Health Determinants of VOCIF-19 Transmission in Underserved Communities	$326,954	$0	$0
2	2022-01-01-01	Delaware State University	NRT- HDR: Computing and Data Science Training for Materials Innovation, Discovery, Analytics	$674,181	$0	$0
3	2022-01-01-02	Delaware State University	Large-Scale CoPe: SHORES (Science and Hazards of Ocean Rural Environments and Societies)	$1,000,047	$0	$0
4	2022-01-01-03	Delaware State University	Kent County Levy Court Grant: Renovation of Capitol Park Playground	$0	$0	$61,674
5	2022-01-01-04	Delaware State University	Social Justice Consortium Just Futures Initiative Project	$0	$0	$4,500
6	2022-01-11-01	University of Delaware	To Staff and Build Out the Collaboration Space Necessary for the Parties to Ideate, Frame, and Execute Future Projects	$0	$0	$1,107,450
7	2022-01-11-02	University of Delaware	Joint-Program to Promote the State of Delaware to Attract International Students	$0	$0	$811,897
8	2022-01-11-03	University of Delaware	Large-Scale Cope: Reacct - Resilient, Adaptable Communities Facing Coastal Threats Hub for Integrated Research and Engagement	$13,955,361	$0	$0
9	2022-01-11-04	University of Delaware	BII: Lite-Mar: A Light-Integration Institute for Training and Education in Marine Animal Research	$0	$0	$657,789
10	2022-01-11-05	University of Delaware	University of Delaware Prison Research & Innovation Network	$0	$0	$86,956
11	2022-01-11-06	University of Delaware	Non-Invasive Evaluation of in Vivo Intervertebral Disc Mechanical Function	$146,836	$0	$0
12	2022-01-11-07	University of Delaware	Determination of Activation of Aluminum Sulfate on Ammonia Control for Broiler Litter Under Winter Conditions	$0	$0	$28,848
13	2022-01-11-08	University of Delaware	Intensive Rehabilitation Research Grant Writing Workshops in the United States (TIGRR)	$0	$0	$68,910
14	2022-01-11-09	University of Delaware	IUCRC Phase I University of Delaware: Center for Emergent Hierarchical Materials (CHEM)	$468,750	$0	$0
15	2022-01-11-10	University of Delaware	Delaware 4-H Military Partnership Grant	$0	$0	$11,750
16	2022-01-11-11	University of Delaware	Am Council of Learned Societies Sustaining Public Engagement Grant Competition	$0	$0	$203,960
17	2022-01-11-12	University of Delaware	Geologic Map of the Wyoming Quadrangle in Fulfillment of Guidance Criteria Category 1: New Mapping Options	$172,984	$0	$0
18	2022-01-11-13	University of Delaware	Role of Dissolved Organic Matter in Alkalinity of Developed and Pristine Estuarine Waters	$78,744	$0	$0
19	2022-01-11-14	University of Delaware	Collaborative Research: A Porewater Perspective on Benthic Sources of Neodymium to the North Atlantic	$233,361	$0	$0
20	2022-01-11-15	University of Delaware	Spintronics with Antiferromagnetic Magnons in Synthetic and Van Der Waals Antiferromagnets	$312,908	$0	$0
21	2022-01-11-16	University of Delaware	A Framework for Heavy Metal Prioritization and Mitigation for Reducing Metal Intake: Rice and Spinach Case Studies	$0	$0	$45,454
22	2022-01-11-17	University of Delaware	Poly(Hydroxyalkanoate) (PHA) Crystallization Fundamentals and Method Development	$0	$0	$595,104
23	2022-01-11-18	University of Delaware	Multidimensional Development of High-Affinity Anti-Glycan Antibodies to Fight Deadly Bacterial Infections. Project 2: Probing the Role of Acetylation in the Antibody Response to Staphylococcus Aureus.	$0	$0	$633,010
24	2022-01-11-19	University of Delaware	Advanced Surface Analytics and Photochemistry Fundamentals for Ti-Pure	$0	$0	$138,263
25	2022-01-11-20	University of Delaware	Electrifying Direct Air Capture with Electrochemistry	$0	$0	$33,924
26	2022-01-11-21	University of Delaware	An Open-Source Acoustic Network for 3-D Tracking of Pelagic Fishes and Autonomous Assets Throughout U.S. Waters of the Northwest Atlantic Ocean	$0	$0	$49,266
27	2022-01-11-22	University of Delaware	Investigation of Multimodal Biomechanical Features Using Deep-Learning Methods	$13,006	$0	$0
28	2022-01-11-23	University of Delaware	Diffractive Integrated Photonic Accelerator for Advanced Optical Front End	$0	$0	$601,251
29	2022-01-11-24	University of Delaware	Exploring Pre-Service Teachers' Judgments and Instructional Decisions About Student Writers	$0	$0	$4,467
30	2022-01-11-25	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	$96,755
31	2022-01-11-26	University of Delaware	CIF: Small: Separation of Learning and Control in Networked Systems	$352,982	$0	$0
32	2022-01-11-27	University of Delaware	The Effects of Strawberry Consumption on Cardiovascular Health in Middle-Aged Adults with Prehypertension	$0	$0	$148,642
33	2022-01-11-28	University of Delaware	Manufacturing Fully Functional Organs Using Microrobots	$0	$0	$600,001

34	2022-01-11-29	University of Delaware	Parcells Lab HVT Project - Recombinant Infectious Clone Selection and Vaccine Assessment	$0	$0	$105,585
35	2022-01-11-30	University of Delaware	Collaborative Research: HCC: Medium: Hybrid Physical+Digital Spaces: Advancing Science, Design, and Operation of Built Environments for Wellbeing	$94,375	$0	$0
36	2022-01-11-31	University of Delaware	Study of the U.S. Institutes for Young Women Leaders	$0	$0	$200,730
37	2022-01-11-32	University of Delaware	Measuring and Predicting the Aquatic Toxicity of PFAS Mixtures Associated with AFFF	$1,243,759	$0	$0
38	2022-01-11-33	University of Delaware	Going Viral with Extracellular Vesicles: Virus Biology Informs Next-Generation EV Therapeutics	$0	$0	$34,368
39	2022-01-11-34	University of Delaware	Demonstration of Magnetic Frustration in a Macroscopic Spin-Ice Network	$0	$0	$5,000
40	2022-01-11-35	University of Delaware	CAS-Climate: From Mines to Prisons - Towards Anti-Racist, Feminist & Whole-Systems Renewable Energy Justice	$0	$0	$115,607
41	2022-01-11-36	University of Delaware	Shipboard Scientific Support Equipment CY2022 Swallow	$256,439	$0	$0
42	2022-01-11-37	University of Delaware	Evaluation of Aragonite as Litter Amendment	$0	$0	$9,251
43	2022-01-11-38	University of Delaware	Examining Feature Development and Communication to Determine Unique Trail Users	$0	$0	$12,500
44	2022-01-11-39	University of Delaware	Additive Manufacture of Pitch-Based materials	$0	$0	$171,143
45	2022-01-11-40	University of Delaware	Mid-Atlantic MBON: Dynamic Biodiversity and Telemetry Data for a Changing Coast	$2,563,609	$0	$0
46	2022-01-11-41	University of Delaware	Ford Foundation Fellow Wilhelm 2022	$0	$0	$81,000
47	2022-01-11-42	University of Delaware	Intrinsic Functional Connectivity: What is the Relation Between a Heritage Language and the Neurobiological Correlates of Emergent English Reading?	$0	$0	$27,500
48	2022-01-11-43	University of Delaware	Research Inclusion Through Data Accessibility	$0	$0	$6,305
49	2022-01-11-44	University of Delaware	Wave Effects on Cross-Shelf Transport: Connecting Coast and Open Ocean in an Earth System Modeling Framework	$0	$0	$290,520
50	2022-01-11-45	University of Delaware	Career: The Measurement and Influence of Mathematics Motivation in a Digital Context	$71,399	$0	$0
51	2022-01-11-46	University of Delaware	Electrochemically-Driven Carbon Dioxide Separation	$158,923	$0	$0
52	2022-01-11-47	University of Delaware	A Real-Air-Breathing Hydroxide Exchange Membrane Fuel Cell	$317,848	$0	$0
53	2022-01-11-48	University of Delaware	CAREER: Towards Proactive and Collaborative Mobility-Aware Edge Intelligence	$443,178	$0	$0
54	2022-01-11-49	University of Delaware	MCA: Data-Driven Nonlinear Supplemental Damping Device Models for Structural Design Optimization and Retrofit	$302,448	$0	$0
55	2022-01-11-50	University of Delaware	Micro-CT with 3D Image Analysis as a Tool for Interpreting Archaeological Ceramics	$109,987	$0	$0
56	2022-01-11-51	University of Delaware	Adapting a Disclosure Decision-Aid to Improve HIV Outcomes for Older Adults in Ukraine	$0	$0	$67,617
57	2022-01-11-52	University of Delaware	Sensorimotor Exploration and Adaptation in Healthy and Parkinson's Disease Populations	$0	$0	$4,999
58	2022-01-11-53	University of Delaware	NCCVT SD/OE 2021 Seminars for Delaware Teachers Institute for FY22	$0	$0	$5,000
59	2022-01-11-54	University of Delaware	Turbulence Decay of a Bubble/Sediment Laden Liquid in ISS Microgravity	$65,691	$0	$0
60	2022-01-11-55	University of Delaware	Self-Aligned Sub-20Nm Gan-on-Si Enhancement-Mode High Electron Mobility Transistor for RF Applications	$311,966	$0	$0
61	2022-01-11-56	University of Delaware	Field Trials and Continued Surveys to Improve Management of Nematodes Across Delmarva	$0	$0	$18,649
62	2022-01-11-57	University of Delaware	SHOCKS (Stressors of HABs, Oxygen and Climate on Key Species) on West Florida Shelf	$0	$0	$310,685

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Delaware State Clearinghouse Committee
February Agenda
Meeting to be Held Virtually - Meeting Information/Instructions Attached
Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901
March 1, 2022 @ 10:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5254	Executive, Criminal Justice, Criminal Justice Council	Dover Body-Worn Camera Implementation Grant	$140,000	$0	$184,744	0.00	0.00	0.00
2	5255	Executive, Criminal Justice, Criminal Justice Council	Connect & Protect Law Enforcement Behavioral Health	$550,000	$0	$231,250	0.23	0.00	0.00
3	2021-12-08-01	Executive, Delaware State Housing Authority	Recovery Housing Program	$2,249,551	$0	$0	0.00	0.00	0.00
4	5157	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Detection & Mitigation in Homeless Service Sites - ARP COVID-19	$449,760	$0	$0	0.00	0.00	0.00
5	5196	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Healthcare Associated Infections and Antimicrobial Resistance - ARP COVID-19	$2,388,648	$0	$0	0.00	0.00	0.00
6	5199	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Skilled Nursing Home and Long-Term Care Facilities - ARP COVID-19	$983,915	$0	$0	0.00	0.00	0.00
7	5200	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Nursing Home and Long-Term Care Facilities - ARP COVID-19	$930,007	$0	$0	0.00	0.00	0.00
8	5267	Department of Health and Social Services, State Service Centers	Low-Income Home Energy Assistance Program (LIHEAP) Infrastructure Investment and Jobs Act - IIJA	$355,385	$0	$0	0.00	0.00	0.00
9	5246	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Augustine Creek Wetlands Protection Project	$883,000	$1,000	$401,000	0.00	0.00	0.00
10	5250	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Public Assistance DR-4627 Hurricane Ida	$3,000,000	$1,000,000	$0	0.00	0.00	0.00
11	5238	Department of Transportation, Motor Vehicles	Traffic Injury Research Foundation Implementing Improvements to the Alcohol Ignition Interlock Program	$37,357	$0	$0	0.00	0.00	0.00
12	5251	Delaware National Guard	Air National Guard Fuel Cell Hangar (MILCON)	$17,500,000	$0	$0	0.00	0.00	0.00
13	DDA Position Request	Department of Agriculture, Administration	2.0 New ASF FTE Positions Request	$0	$0	$0	0.00	2.00	0.00
Continued									
1	3885 Amendment	Executive, Criminal Justice, Criminal Justice Council	Adult Re-entry & Employment Strategic Planning	$500,000	$0	$0	0.40	0.00	0.00
2	5248	Executive, Criminal Justice, Criminal Justice Council	John R Justice Grant	$32,170	$0	$0	0.03	0.00	0.00
3	5241	Executive, Criminal Justice, Criminal Justice Council	Project Safe Neighborhoods	$92,442	$0	$0	0.08	0.00	0.00
4	5231	Legal, Department of Justice	Internet Crimes Against Children	$315,267	$0	$0	2.00	0.00	0.00
5	4840 Amendment	Department of Health and Social Services, Social Services	Supplemental Nutritional Assistance Program Pandemic Electronic Benefits Administration - CRRSA COVID-19	$1,025,137	$0	$0	0.00	0.00	0.00
6	4882 Amendment	Department of Health and Social Services, Public Health, Community Health	Immunization and Vaccines for Children Supplement - COVID-19	$0	$0	$0	-1.00	0.00	0.00
7	4895 Amendment	Department of Health and Social Services, Public Health, Community Health	Address COVID Health Disparities	$0	$0	$0	1.00	0.00	0.00

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8	5201	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Travelers Health - ARP COVID-19	$200,000	$0	$0	0.00	0.00	0.00
9	5203	Department of Health and Social Services, Public Health, Community Health	Title X Family Planning Services	$2,267,453	$1,115,499	$0	4.00	6.00	0.00
10	5210	Department of Health and Social Services, Public Health, Community Health	Advancing Retail Program Standards Conformance through Inspection Equipment	$5,000	$0	$0	0.00	0.00	0.00
11	5212	Department of Health and Social Services, Public Health, Emergency Medical Services	Emergency Medical Services for Children Partnership	$130,000	$21,383	$0	0.00	0.20	0.00
12	5240	Department of Health and Social Services, Social Services	Refugee Social Service Case Program	$125,403	$0	$0	0.00	0.00	0.00
13	5245	Department of Health and Social Services, Public Health, Community Health	Improving Sexually Transmitted Diseases through Prevention	$1,000,000	$0	$0	0.00	0.00	0.00
14	5256	Department of Health and Social Services, Social Services	Supplemental Nutritional Assistance Program Pandemic Electronic Benefits Administration - ARP COVID-19	$2,054,070	$0	$0	0.00	0.00	0.00
15	4652 Amendment	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E Adoption Assistance	$1,000,000	$1,000,000	$0	0.00	0.00	0.00
16	4225 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Non-Tidal Boating and Fishing Access Areas Enhancement and Construction	$1,268,783	$422,928	$0	0.00	0.32	0.00
17	4226 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Tidal Boating & Fishing Access Design & Construction	$948,065	$315,075	$0	0.00	0.42	0.00

Higher Education

1	2018-05-05-07 Amendment	Delaware State University	Delaware INBRE IV/DSU (Federal)	$573,735	$0	$0			
2	2019-02-16-05 Amendment	Delaware State University	Delaware INBRE III/ DSU	$681,433	$0	$0			
3	2019-06-15-12 Amendment	Delaware State University	WORDE: A Biopharmaceutical Training Center to Promote Development of the Workforce, Outreach, Diversity and Education	$714,919	$0	$0			
4	2022-02-05-02	Delaware State University	A Pilot Study: Exploring the Intersectionality of Trauma, Sleep, and Health in a Vulnerable Population Impacted by Health Disparities	$0	$0	$25,000			
5	2022-02-05-03	Delaware State University	High-Speed Hyperspectral Imaging for Highly Multiplexed Immunofluorescence Imaging	$30,000	$0	$0			
6	2022-02-05-04	Delaware State University	Acquisition of a Solid-State NMR for Interdisciplinary Research and Study at Delaware State University	$635,278	$0	$0			
7	2022-02-12-01	University of Delaware	The Epigenetic Mechanisms of Obesity in Offspring Delivered Via Cesarean Section	$0	$0	$5,000			
8	2022-02-12-02	University of Delaware	Nemours Selva Yasemin Kus	$0	$0	$12,089			
9	2022-02-12-03	University of Delaware	Narrative Identity, Interactional Microaggression, and Emotional Well-Being of Women: A Mixed Methods Study	$0	$0	$3,000			
10	2022-02-12-04	University of Delaware	Targeting Actin Network Molecules to Prevent Capsular Wrinkling in Pediatric Capsular Opacification	$0	$0	$70,000			
11	2022-02-12-05	University of Delaware	Deciphering Protein Ubiquitination with Chemical Biology Tools	$2,176,950	$0	$0			
12	2022-02-12-06	University of Delaware	Developmental Stress and Epigenetics: A Role for Exercise Therapies	$0	$0	$10,000			
13	2022-02-12-07	University of Delaware	Puzzling Over HABs and OA in Chesapeake Bay	$0	$0	$227,614			
14	2022-02-12-08	University of Delaware	The Regional Internal Wave Spectrum and Boundary Mixing in the Sub-Tropical South Atlantic	$0	$0	$878,782			
15	2022-02-12-09	University of Delaware	Deploying Demand-Response Automated Shuttles as a First-Last Mile Transit Solution	$176,788	$0	$0			
16	2022-02-12-10	University of Delaware	Parts Naturally Directing Their Own Build and Repair	$0	$0	$152,406			
17	2022-02-12-11	University of Delaware	Building ThingStor: A Material Culture Database for Finding & Connecting Objects in Art & Literature	$29,202	$0	$0			
18	2022-02-12-12	University of Delaware	Collaborative Research: Saturated, Suffocated, & Salty: Hotspots of Ammonium-N and Dissimilatory Nitrate Reduction to Ammonium Denitrification Dichotomy in Anoxic Riparian Soils	$354,889	$0	$0			

19	2022-02-12-13	University of Delaware	Sequencing and Assembly of Company Host Cells	$0	$0	$93,799
20	2022-02-12-14	University of Delaware	Vascular Responses to Acute Aerobic Exercise in Early- and Late-Perimenopausal Women	$0	$0	$5,000
21	2022-02-12-15	University of Delaware	The Association Between Concussion and Neuromuscular Control During Locomotion and Jump-Landing	$0	$0	$9,500
22	2022-02-12-16	University of Delaware	Nemours Laurenceau Khalife 22	$0	$0	$30,510
23	2022-02-12-17	University of Delaware	Examining the Effects of Early-Life Immune Activation and Later-Life Social Stress on Behavioral and Neural Outcomes During Development	$0	$0	$9,968
24	2022-02-12-18	University of Delaware	Collaborative Research: Disease-Resilient Multi-Modal Urban Transportation Systems: Travel Behavior, System Dynamics, and Societal Impacts	$148,928	$0	$0
25	2022-02-12-19	University of Delaware	Sensorimotor Control of Walking Balance in Children with Cerebral Palsy	$0	$0	$2,000
26	2022-02-12-20	University of Delaware	Cell-Derived HIV Drug Delivery to Lymph Nodes	$275,001	$0	$0
27	2022-02-12-21	University of Delaware	Can Comorbidity Screening and Referral by Prosthetists Enhance Post-Amputation Care?	$0	$0	$22,727
28	2022-02-12-22	University of Delaware	Building Equity and Access by Including Family Child Care in Universal Pre-Kindergarten Expansion: A Multi-Site Study of Pre-Kindergarten Family Child Care Initiatives	$0	$0	$156,522
29	2022-02-12-23	University of Delaware	Generalized Fluctuation Test for Deciphering Phenotypic Switching Within Cell Populations	$1,000,000	$0	$0
30	2022-02-12-24	University of Delaware	Increasing Resilience of Survivor-Centered Social Systems: Adapting to COVID Related Constraints in Access to Services and Built Environment Use Patterns	$16,000	$0	$0
31	2022-02-12-25	University of Delaware	MRI: Acquisition of BioLayer Interferometer Octet RH16 for Label-Free Detection of Biomolecular Interactions	$364,808	$0	$0
32	2022-02-12-26	University of Delaware	Low Bandgap CIGS Solar Cells for CIGS/CdTe Tandem Solar Cells	$0	$0	$85,000
33	2022-02-12-27	University of Delaware	COVID Collections Workshops	$35,255	$0	$0
34	2022-02-12-28	University of Delaware	Revitalizing Infrastructure, and Improving Decision Quality Through Formal and Informal Interventions	$561,526	$0	$0
35	2022-02-12-29	University of Delaware	Quantifying Crop Biomechanics Across Plant Lifespans	$13,830	$0	$0
36	2022-02-12-30	University of Delaware	CPS: Small: An Optimal Control Framework for Informationally Decentralized Systems	$329,028	$0	$0
37	2022-02-12-31	University of Delaware	MRI: Development of Milli-Kelvin Magnetic Measurement System for Investigation of Spintronic and Quantum Materials	$827,307	$0	$0
38	2022-02-12-32	University of Delaware	Acceptability of the Healbe GoBe3 Device for Measuring Physical Activity and Hydration: A Validation Study	$0	$0	$5,000
39	2022-02-12-33	University of Delaware	Enhanced Evaporative Flux to Remediate Brine-Contaminated Soil Phase 2	$0	$0	$8,125
40	2022-02-12-34	University of Delaware	USSSP IODP Expedition 399 Building Blocks of Life	$0	$0	$11,661
41	2022-02-12-35	University of Delaware	Improved Management of Darkling Beetle Outbreaks in Broiler Facilities	$0	$0	$70,494
42	2022-02-12-36	University of Delaware	Epigenetic Dysregulation of Muscle in Spastic Cerebral Palsy	$0	$0	$500,000
43	2022-02-12-37	University of Delaware	Priority 1: Digital Preservation and Web-Based Delivery of Borehole Lithology Log Data	$83,002	$0	$0
44	2022-02-12-38	University of Delaware	Deep Learning-Based Contour Detection for Retinal Layer Segmentation and Sickle Cell Retinopathy Detection in Oct Images	$0	$0	$62,460
45	2022-02-12-39	University of Delaware	Thermoregulation and Ambient Temperature in the Prairie Vole (Microtus Ochrogaster)	$0	$0	$37,000
46	2022-02-12-40	University of Delaware	Supply Chain Decision Making Framework Considering Uncertainty	$269,308	$0	$0
47	2022-02-12-41	University of Delaware	MRI: Acquisition of a Research and Educational Wave Flume (UDFlume) for Interdisciplinary Coastal Processes Studies	$1,467,841	$0	$0
48	2022-02-12-42	University of Delaware	Collaborative Research: CNS Core: Small: Enabling Heterogeneous, Multi-Tenant and Elastic Serverless GPU Architecture on the Edge	$222,164	$0	$0
49	2022-02-12-43	University of Delaware	Chromatography Modeling Using ML	$0	$0	$51,316
50	2022-02-12-44	University of Delaware	Increasing Idea State Biomedical Entrepreneurship Via Ecosystem, Enterprises & Experts	$0	$0	$609,747
51	2022-02-12-45	University of Delaware	Roles and Interplay of Reinforcement-Based and Error-Based Processes on Sensorimotor Behavior	$320,020	$0	$0
52	2022-02-12-46	University of Delaware	Incorporation of Connected and Automated Vehicle Energy Impacts into RouteE and Support of RouteE Integration and Deployment	$23,008	$0	$0

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53	2022-02-12-47	University of Delaware	WIC Participants' Perceptions of the Cash-Value Benefit Increase During the Covid-19 Pandemic	$0	$0	$4,000
54	2022-02-12-48	University of Delaware	Home-Based Health Management Programs	$0	$0	$92,553
55	2022-02-12-49	University of Delaware	Increased Dietary Fructose Unmasks Salt Sensitive Blood Pressure in Young Healthy Adults	$0	$0	$28,300
56	2022-02-12-50	University of Delaware	Sampling and Reconstruction of Flash LiDAR Waveforms	$24,999	$0	$0
57	2022-02-12-51	University of Delaware	CFD-Biological Modeling Tool Proposal	$0	$0	$117,852
58	2022-02-12-52	University of Delaware	Understanding Structure, Phase Behavior, and Physical Properties of Polysulfamides and Polysulfamates Using Simulations, Experiments, and Machine Learning	$876,663	$0	$0
59	2022-02-12-53	University of Delaware	Valorization of Lignocellulosic Depolymerization Products by Enzymatic CO2 Fixation	$497,862	$0	$0
60	2022-02-12-54	University of Delaware	Kinetic Investigation of the Properties and Signatures of Shear Flow Reconnection in the Solar Wind	$0	$0	$154,477
61	2022-02-12-55	University of Delaware	AFT-MENN: Alexa Fairness Through Multi-Exit Neural Networks	$0	$0	$79,053
62	2022-02-12-56	University of Delaware	Design, Synthesis, and Characterization of Novel Biochemical Process Sensors	$0	$0	$619,844
63	2022-02-12-57	University of Delaware	Heating, Acceleration, and Diffusion in the Outer Heliosphere: Self-Consistent Solar Wind Modeling with Turbulence Transport, Eddy Viscosity, and Pickup Protons	$411,613	$0	$0
64	2022-02-12-58	University of Delaware	Collaborative Research: IntBIO: Rules for Cell Membranes in the Extremes of the Deep Sea	$270,446	$0	$0
65	2022-02-12-59	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	$292,761
66	2022-02-12-60	University of Delaware	Efficient and Resilient Biomanufacturing in Variable Gravity	$0	$0	$294,050
67	2022-02-12-61	University of Delaware	Study of the U.S. Institutes for Scholars	$0	$0	$266,169
68	2022-02-12-62	University of Delaware	The Role of Genetic and Non-Genetic Factors and Causal Mechanisms Underlying Cataract Susceptibility for Better Risk Prediction	$0	$0	$420,000
69	2022-02-12-63	University of Delaware	Development of Porous Cages for CO2 Capture and its Electrocatalytic Conversion to Value Added Products	$0	$0	$90,000
70	2022-02-12-64	University of Delaware	Probing the Unique Attributes of the Naïve Reservoir	$0	$0	$349,995
71	2022-02-12-65	University of Delaware	Collaborative Research: The Genetic Architecture of Functional Diversity in a Bioluminescent Communication System	$374,090	$0	$0
72	2022-02-12-66	University of Delaware	Disentangling Anaerobic Gut Fungi (AGF) Ecophysiological Roles to Mitigate Rumen Methane Emissions and Improve Animal Health	$444,603	$0	$0
73	2022-02-12-67	University of Delaware	Understanding and Modeling Phosphorus Cycle Perturbation by Wildfires from the Molecule to the Ecosystem	$0	$0	$128,603
74	2022-02-12-68	University of Delaware	Improving K Fertilizer Recommendations for Corn on the Delmarva Peninsula	$0	$0	$6,840
75	2022-02-12-69	University of Delaware	Trends in Soil Test Phosphorus Following Long-Term Application of Poultry Litter and Commercial Fertilizers	$0	$0	$6,244
76	2022-02-12-70	University of Delaware	Spectral Graph Theory and Association Schemes	$0	$0	$35,000
77	2022-02-12-71	University of Delaware	Conforming Discontinuous Galerkin Finite Elements for Hyperbolic Equations	$0	$0	$35,000
78	2022-02-12-72	University of Delaware	Specifically Targeting Multiple Disease Pathways by Modulating Hsp90ß Regulatory Complexes	$1,250,000	$0	$0
79	2022-02-12-73	University of Delaware	Examining the Feasibility of Implementing a Hypertension Storytelling Among African Americans with Hypertension Health Coach-Led Storytelling Intervention for African Americans with Hypertension	$450,000	$0	$0
80	2022-02-12-74	University of Delaware	Longitudinal Impact of Midlife Cerebrovascular Pulsatility on Brain Tissue Integrity and Cognitive Aging	$2,446,990	$0	$0
81	2022-02-12-75	University of Delaware	Spring 2022 Professional Development, "Bringing Nature In" for Wilmington Head Start, Inc.	$0	$0	$1,582
82	2022-02-12-76	University of Delaware	Differential Effect of First Complementary Food Types on the Infant Gastrointestinal Microbiome: A Randomized Controlled Feeding Trial	$0	$0	$4,545
83	2022-02-12-77	University of Delaware	R11 Track-2: FEC: Laying the Foundation for Scalable Quantum Photonic Technologies	$0	$0	$1,340,072
84	2022-02-12-78	University of Delaware	Online Decision-Making and Control During Human-Human Interactions	$378,081	$0	$0
85	2022-02-12-79	University of Delaware	Collaborative Research: PPoSS: Planning: An Integrated, Dynamic, Cross-Layer Approach for HPC	$80,919	$0	$0

86	2022-02-12-80	University of Delaware	Planning for National Ultrahigh Field NMR Network	$125,000	$0	$0
87	2022-02-12-81	University of Delaware	SOLLVE: Flang Development and Application Migration	$59,071	$0	$0
88	2022-02-12-82	University of Delaware	Cybersecurity Certificate Schedule	$0	$0	$156,460
89	2022-02-12-83	University of Delaware	Grid Sampling Soils to Improve Understanding of Soil Variability and Corn Yields	$0	$0	$8,563
90	2022-02-12-84	University of Delaware	Effects of Increasing Corn Tissue Boron and Sulfur Concentrations on Nitrogen and Yield (2nd Year)	$0	$0	$7,206
91	2022-02-12-85	University of Delaware	Memories of the Soils: Evaluation of Soil Nitrogen Stable Isotope as a Robust Metric to Assess Floodplain Restoration and Nitrogen Removal Effectiveness	$0	$0	$181,398
92	2022-02-12-86	University of Delaware	Visual Statistical Learning in the Context of Similarity and Knowledge	$305,953	$0	$0
93	2022-02-12-87	University of Delaware	Survey of Plant Parasitic Nematodes in Mid-Atlantic Cornfields & Evaluation of Nematicide Control Methods	$0	$0	$9,053
94	2022-02-12-88	University of Delaware	University of Delaware Upward Bound Program	$333,394	$0	$0
95	2022-02-12-89	University of Delaware	Broadening the Reach of Bioinformatics and Data Science Training Through Cloud-Enabled Learning Modules for Microbial and Viral Community Analysis	$64,734	$0	$0
96	2022-02-12-90	University of Delaware	Wide SWIR Waveband InGaAsSb Structure Development	$0	$0	$59,687
97	2022-02-12-91	University of Delaware	Localized Biofactor Delivery from Mechano-Active Scaffolds to Promote Annulus Fibrosus Repair	$0	$0	$157,525
98	2022-02-12-92	University of Delaware	Influence of Institutional Policies on Provider Biases in Medical Decision Making and Disparities in Care	$40,000	$0	$0
99	2022-02-12-93	University of Delaware	Sleep and Stress in Families with Socioeconomic Disadvantage: A Snapshot of Daily Life	$0	$0	$25,000
100	2022-02-12-94	University of Delaware	Integrated GeSn Photodetectors on Si for MWIR FPAs	$0	$0	$34,040
101	2022-02-12-95	University of Delaware	Determinants of Injury Severity and Recovery for Insertional Achilles Tendinopathy	$2,485,327	$0	$0
102	2022-02-12-96	University of Delaware	Sedentary Behavior in Knee Osteoarthritis: A Nationwide Internet-Based Cohort Study	$2,170,445	$0	$0
103	2022-02-12-97	University of Delaware	Fatigability and Biomechanical Mechanisms of Increased Fall Risk in People with Knee Osteoarthritis	$275,000	$0	$0
104	2022-02-12-98	University of Delaware	Interactions and Aggregation of Fc-Fusion Proteins	$0	$0	$31,250
105	2022-02-12-99	University of Delaware	Assessing the Need for an Evidence-Based Parenting Intervention for Foster Families Caring for Young Children in Spain	$0	$0	$7,250
106	2022-02-13-01	University of Delaware	Adapting and Early Home Visiting Intervention to Support Families Separated at the Border	$0	$0	$7,356
107	2022-02-13-02	University of Delaware	Evaluation of FHB Management Strategies in DE Following the MGMT Protocol	$64,594	$0	$0
108	2022-02-13-03	University of Delaware	Mechanisms of Sex Differences in Neonatal Pulmonary Oxygen Toxicity	$0	$0	$97,625
109	2022-02-13-04	University of Delaware	ATC-150-2 Improving the Nation's Lifelines Infrastructure to Achieve Seismic Resilience	$0	$0	$22,198
110	2022-02-13-05	University of Delaware	Attachment A - Year 4 - Investigations of Hydrocarbon Reservoirs Through Metagenomics and Biological Methane Oxidation	$0	$0	$160,257
111	2022-02-13-06	University of Delaware	RII Track-2 FEC: Addressing Genetic and Epigenetic (AGE) Barriers to Continuous Mammalian Cell Biomanufacturing	$5,150,575	$0	$0
112	2022-02-13-07	University of Delaware	Promoting Natural Suppression of Slugs by Nematodes in No-Till Corn	$0	$0	$14,878
113	2022-02-13-08	University of Delaware	Social Vocalization and Neuroanatomy in a Genetic Mouse Model of Stuttering	$275,000	$0	$0
114	2022-02-13-09	University of Delaware	Development of an Efficient 18F Labeling Technology Based on Tetrazine Trans-Cyclooctene Ligation	$0	$0	$501,770
115	2022-02-13-10	University of Delaware	Natural Product Inspired Cancer Therapeutics	$1,250,000	$0	$0
116	2022-02-13-11	University of Delaware	Accessing Powerful New Chemistries for Biocatalysis from Environmental Microbes	$0	$0	$99,999

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Delaware State Clearinghouse Committee
March Agenda
Meeting to be Held Virtually - Meeting Information/Instructions Attached
Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901
Rescheduled Date: March 21, 2022 @ 10:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5275	Department of Health and Social Services, Division of Aging and Adults with Disabilities, Community Services	Expanding the Public Workforce for Aging - ARP COVID-19	$78,610	$0	$0	0.00	0.00	0.00
2	5262	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	W-57-R-1 Furbearers, Quail, and Small Game	$363,789	$122,266	$0	0.00	0.04	0.00
3	5269	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	NOAA-S6-08 Monitoring Atlantic Sturgeon	$771,947	$231	$85,763	0.00	0.00	0.00
4	5273	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-89-D-1 Fisheries Research Vessel Boat Dock	$414,159	$138,055	$0	0.00	0.09	0.00
5	5274	Department of Natural Resources and Environmental Control, Office of Natural Resources, Parks and Recreation	State Park Campground Design and Engineering - ARP COVID-19	$3,212,400	$803,100	$0	0.00	0.00	0.00
6	5296	Department of Agriculture, Animal Health	Avian HPAI H5 Emergency Disease Response Activities	$1,787,988	$0	$0	0.00	0.00	0.00
7	5299	Delaware National Guard	River Road Training Site National Guard Readiness Center (MILCON)	$16,000,000	$8,700,000	$0	0.00	0.00	0.00
8	2022-01-28-01 now 5582	Department of Education, Caesar Rodney School District	School Violence Prevention Program	$433,493	$144,497	$0	0.00	0.00	0.00
Continued									
1	5239	Department of Health and Social Services, Social Services	Refuge Cash and Medical Assistance Program	$114,675	$0	$0	0.00	0.00	0.00
2	2022-01-26-03	Department of Health and Social Services, Substance Abuse and Mental Health	Transformation Transfer Initiative	$0	$0	$250,000	0.00	0.00	0.00
3	5213	Department of Health and Social Services, Public Health, Community Health	National Cancer Prevention and Control Program	$3,212,060	$1,210,782	$0	10.80	2.80	0.00
4	5232	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
5	4265 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-47-R-30 Anadromous Species Investigations	$345,000	$115,000	$0	0.89	1.27	0.00
6	5113	Department of Natural Resources and Environmental Control, Office of Natural Resources, Division of Watershed Stewardship	Water Pollution Control Grant	$3,669,150	$774,690	$0	5.25	1.70	0.00
7	5266	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Particulate Matter 2.5 - Air Quality Monitoring	$507,936	$0	$0	1.50	0.00	0.00
8	5268	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	NOAA-S6-07 Atlantic Sturgeon Nursery Habitat	$124,527	$13,836	$0	0.30	0.04	0.00
9	5276	Department of Agriculture, Animal Health	Umbrella National Surveillance	$245,235	$0	$0	0.00	0.00	0.00
Higher Education									
1	2022-02-05-05	Delaware State University	Interdisciplinary Health Equity Research (IHER) Center	$18,376,857	$0	$0			
2	2022-02-05-06	Delaware State University	The Delaware Center for Health Research	$10,809,353	$0	$0			
3	2022-02-05-07	Delaware State University	RII-Track2 FEC: Genetic and Epigenetic Barriers to Continuous	$821,665	$0	$0			
4	2022-03-05-01	Delaware State University	Training and Partnership in Data Science for Advancing Research in Biomolecular Detection	$584,972	$0	$0			
5	2022-03-05-02	Delaware State University	Code Differently High School Software Development Pipeline Program	$59,495	$0	$0			

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6	2022-03-05-03	Delaware State University	Collaborative Research: Fabrication of Potentionmetric Sensor and Applications for Carbonate Ion Detention in the Ocean	$218,711	$0	$0
7	2022-03-05-05	Delaware State University	Delaware State University's Navy-JROTC Summer Flight Academy	$481,849	$0	$0
8	2022-03-05-06	Delaware State University	STEM Tracks to Advance Nurture & Develop Undergraduate Professionals (STAND UP)	$784,890	$0	$0
9	2022-03-05-07	Delaware State University	Racism as an Epigenetic Modifier: Association with Telomere Length in Black Adolescents and Youth	$32,986	$0	$0
10	2022-03-05-08	Delaware State University	An Analysis of the Buyer-Seller Relationship in Technology Transfer: The Role of Neuroscience	$405,250	$0	$0
11	2022-03-12-01	University of Delaware	New Methods for Nondestructive Microanalysis of Archaeological Ceramic Surfaces for Anthropological and Conservation Research	$15,000	$0	$0
12	2022-03-12-02	University of Delaware	FTICR-MS Enabled Advanced Separation and Profiling of Organophosphorus Compounds	$282,619	$0	$0
13	2022-03-12-03	University of Delaware	Packaging High Temperature Electronics for Harsh Flight Environments	$0	$0	$32,411
14	2022-03-12-04	University of Delaware	Evaluation of Engineered Bacteriophage Containment Strategies	$0	$0	$138,489
15	2022-03-12-05	University of Delaware	Acquisition of Goods and Services	$8,182	$0	$0
16	2022-03-12-06	University of Delaware	An AMBIC Toolkit for Targeted Integration and Victor Optimization	$0	$0	$40,500
17	2022-03-12-07	University of Delaware	Probing Antibiotic Surviving Bacterial Populations	$0	$0	$362,358
18	2022-03-12-08	University of Delaware	GCR: Collaborative Research: Micro-Robo-Genetics for Programmable Organoid Formation	$830,879	$0	$0
19	2022-03-12-09	University of Delaware	SCC-IRG Track 1: Enhancing Safety, Equity, Accessibility, and Acceptance of Autonomous Sustainable Shuttles for Underserved Populations	$1,215,865	$0	$0
20	2022-03-12-10	University of Delaware	2022 Chesapeake Bay Bowl	$0	$0	$6,503
21	2022-03-12-11	University of Delaware	Collaborative Research: Swash Zone Dynamics Driven by Obliquely Incident Waves	$419,929	$0	$0
22	2022-03-12-12	University of Delaware	Bacterial Utilization of the Organosulfur Compound Dimethylsulfoniopropionate (DMSP) as an Abiotic Stress Protectant	$494,478	$0	$0
23	2022-03-12-13	University of Delaware	Roles and Interplay of the Multiple Processes Underlying Sensorimotor Adaptation	$1,339,463	$0	$0
24	2022-03-12-14	University of Delaware	Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) Scientific Leadership Center	$0	$0	$103,074
25	2022-03-12-15	University of Delaware	POLISEA: Coastal Communities and Marine Industries: Evaluating, Comparing, and Informing Policies to Enable Sustainable Sea Space Use	$0	$0	$41,797
26	2022-03-12-16	University of Delaware	Optimizing Light Quality and Intensity for Efficient Pepper Cultivation in Space	$100,000	$0	$0
27	2022-03-12-17	University of Delaware	Mitigating Low Humidity Stress of Space-grown Leafy Greens with Far-Red Light	$50,000	$0	$0
28	2022-03-12-18	University of Delaware	Urol: En: Rules Governing Urban Plant-Soil Feedbacks in Changing Climates are Driven by Socio-Ecological Networks	$0	$0	$483,547
29	2022-03-12-19	University of Delaware	Upitt/Nida Improving Racial Equity in Opioid Use Disorder Treatment in Medicaid	$0	$0	$100,515
30	2022-03-12-20	University of Delaware	Uol Finance Laux Bloomberg FY22	$0	$0	$5,384
31	2022-03-12-21	University of Delaware	High Performance W-Band GaN Power Amplifiers for Cloud Doppler Radar Arrays	$536,130	$0	$0
32	2022-03-12-22	University of Delaware	Assessing Equality in Urban Green Space Access in Four Major US Cities: A Naip-Landsat Data Fusion Approach	$100,000	$0	$0
33	2022-03-12-23	University of Delaware	Building West African Land Use Inventory: A Novel Crop Type Dataset Based on a New Robust Ensemble Thresholding (RET) Technique	$150,000	$0	$0
34	2022-03-12-24	University of Delaware	Collaborative Research: NRI: Human-in-the-Loop Architecture of Agile Robotic Prostheses for Real-World Mobility Over Dynamic Terrains	$323,898	$0	$0
35	2022-03-12-25	University of Delaware	Upward Bound Math & Science Year 5	$313,778	$0	$0
36	2022-03-12-26	University of Delaware	Measuring Workplace Inclusion for Autistic Employees and the Connections to Mental Health	$184,174	$0	$0
37	2022-03-12-27	University of Delaware	Responsible AI to Combat Childhood Obesity	$2,580,920	$0	$0
38	2022-03-12-28	University of Delaware	Inquiry-Based Aquatic Soft Robotics STEM Kit	$0	$0	$62,565
39	2022-03-12-29	University of Delaware	Collaborative Research: Leveraging Simulations in Preservice Preparation to Improve Mathematics Teaching for Students with Disabilities	$0	$0	$29,629
40	2022-03-12-30	University of Delaware	Logic-Gated Pro-Mmp Activation for Tumor-Specific Motility in Nanocarriers	$331,612	$0	$0
41	2022-03-12-31	University of Delaware	Support Various Kids Count Activities	$0	$0	$78,261
42	2022-03-12-32	University of Delaware	Elucidating the Role of Cardiac Hsp90ß in Calcium Regulation and ER Stress	$0	$0	$272,727

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43	2022-03-12-33	University of Delaware	Shark- Aquatic Soft Robotic STEM Education Kit	$0	$0	$43,652
44	2022-03-12-34	University of Delaware	Wafer-Scale Growth of Site-Determined Wavelength-Tunable Quantum Emitters in Atomically-Thin (2D) Semiconductors	$0	$0	$95,000
45	2022-03-12-35	University of Delaware	Armada: Advancing Reliable Measurement in Alzheimer's Disease and Cognitive Aging	$0	$0	$15,636
46	2022-03-12-36	University of Delaware	Collaborative Research: Synthetic Methane Fixation Cascades Based on Engineered Membrane Vesicles for Biofuel Cell Applications	$165,320	$0	$0
47	2022-03-12-37	University of Delaware	NRI: Addressing Safe Interaction Between Autonomous and Human-Driven Vehicles	$308,765	$0	$0
48	2022-03-12-38	University of Delaware	Carbon-Neutral Production of Liquid Solar Fuels by Hybrid Catalytic Conversion of Co2 and Water Via Tunable Syngas	$0	$0	$0
49	2022-03-12-39	University of Delaware	Beeswax Shipwreck Mapping Project	$0	$0	$10,633
50	2022-03-12-40	University of Delaware	Supplement to "Development of Stable Fluorinated Anion Exchange Membrane"	$0	$0	$108,592
51	2022-03-12-41	University of Delaware	CISE-MSI: DP: III: Training and Partnership in Data Science for Advancing Research in Biomolecular Detection	$0	$0	$72,320
52	2022-03-12-42	University of Delaware	Boserup Vs. Borlaug: Land System Dynamics, Changing Drivers, and Implications for Future Water Sustainability in South Asia	$1,780,364	$0	$0
53	2022-03-12-43	University of Delaware	Improving Hydration and Safety in the Fire Service with the FireH2O: A Novel, Firefighter Hydration Monitoring System	$1,170,980	$0	$0
54	2022-03-12-44	University of Delaware	Harnessing Web and Laboratory Data for Large-Scale Fall Modeling in Free-Living Environments.	$302,522	$0	$0
55	2022-03-12-45	University of Delaware	Collaborative Research: The Heated Wind-and Wave-Driven Ocean Surface Boundary Layer: Synergistic Analyses of Observations and Simulations	$263,589	$0	$0
56	2022-03-12-46	University of Delaware	OES Equity Fellow Jennifer Daniels Part 2	$8,505	$0	$0
57	2022-03-12-47	University of Delaware	Community Facility Support: Access, Support and Training for Earth-Science Research at Synchrotrons (ASTERS)	$0	$0	$783,066
58	2022-03-12-48	University of Delaware	Collaborative Research: NNA Incubator: Sustainable Transitions Through Arctic Redevelopment (STAR)	$90,582	$0	$0
59	2022-03-12-49	University of Delaware	Single Molecule Imaging of Sorting, Transport and Fate of RNA Cargo in the Extracellular Vesicles	$673,369	$0	$0
60	2022-03-12-50	University of Delaware	Collaborative Research: Fabrication of Potentiometric Sensors and Applications for Carbonate Ion Detection in the Ocean	$102,512	$0	$0
61	2022-03-12-51	University of Delaware	Benthic Exchange Through Migrating Bedforms: Investigating Controls and Feedbacks on Coupled Fluxes	$321,041	$0	$0
62	2022-03-12-52	University of Delaware	STEEP-CF: Storm Treatment Effects on Ecosystem Processes of Coastal Forests	$768,193	$0	$0
63	2022-03-12-53	University of Delaware	Testing a Perception-Based Model of Racial Bias in Pain Care Decisions	$297,577	$0	$0
64	2022-03-12-54	University of Delaware	Ucedd Public Health Workforce	$113,889	$0	$0
65	2022-03-12-55	University of Delaware	Towards Ocean Systems Analysis of Semi-Enclosed Basins	$336,342	$0	$0
66	2022-03-12-56	University of Delaware	URoI:EN: Soil as a Living System: Biophysical Feedbacks Shape Biological Functions Across Scales	$0	$0	$366,987
67	2022-03-12-57	University of Delaware	Office of Education - Student Support Services Program - 2021-2021	$323,568	$0	$0
68	2022-03-12-58	University of Delaware	Longitudinal Changes in Service Patterns and Developmental/Other Outcomes in Children with Autism Spectrum Disorder During the Pandemic	$1,993,211	$0	$0
69	2022-03-12-59	University of Delaware	Using Newly Developed and Low-Cost Optical Tools to Improve the Efficacy of Coral Restoration Practices Within the Florida Keys	$0	$0	$128,320
70	2022-03-12-60	University of Delaware	HADLI - Harmful Algal Detection Live Indicator for Management and Public Safety	$0	$0	$39,063
71	2022-03-12-61	University of Delaware	Sustainable Preparation of Advanced Titanium Materials Using Electrochemically-Active Templates	$0	$0	$90,000
72	2022-03-12-62	University of Delaware	T6.08 Textiles for Extreme Surface Environments and High	$28,125	$0	$0
73	2022-03-12-63	University of Delaware	4H Walmart Healthy Habits FY2022	$0	$0	$57,418
74	2022-03-12-64	University of Delaware	Creating a Universal and High-Quality Early Childhood Education System in Delaware: A Study of Parent's Needs and Financial Strategies to Achieve the Goal	$0	$0	$325,371
75	2022-03-12-65	University of Delaware	Sussex County Appropriation for Ag Exp Station Research Fiscal Year 2017	$0	$0	$30,000
76	2022-03-12-66	University of Delaware	Racial Disparities in Pain Care: A Comprehensive Integration of Patient and Provider Level Mechanisms with Dyadic Communication Processes Using a Mixed-Methods Research Design	$0	$0	$521,507
77	2022-03-12-67	University of Delaware	NRI: Adaptive Energy-Aware Legged Robots in the Field	$635,351	$0	$0
78	2022-03-12-68	University of Delaware	Nurses' Rural Health Learning Opportunities Increasing Access Thru Mobile Units, Diversity and Engagement (Nurses ROAM DE)	$3,847,606	$0	$0

79	2022-03-12-69	University of Delaware	Maracoos (Mid-Atlantic IOOSECOA III- The East Coast Ocean Acidification Cruise 2022	$367,337	$0	$0
80	2022-03-12-70	University of Delaware	Training Caregivers of Alzheimer's and Dementia Patients with Mixed Reality Simulation	$0	$0	$24,000
81	2022-03-12-71	University of Delaware	Modulation of Propulsive Force Generation During Walking Practice Post-Stroke	$0	$0	$272,729
82	2022-03-12-72	University of Delaware	Novel Carbon Capture Technologies Employing Waste Heat in Regeneration of Materials Used in Direct Air Capture	$0	$0	$18,751
83	2022-03-12-73	University of Delaware	Utilization of CO2 to Produce Polycarbonate Plastics via Non-Phosgenation Process	$0	$0	$18,751
84	2022-03-12-74	University of Delaware	Hypergraph Learning	$0	$0	$191,386
85	2022-03-12-75	University of Delaware	Multimedia Educational Tools Covering Topics in Ocean Acidification	$26,886	$0	$0
86	2022-03-12-76	University of Delaware	An Equitable Approach to Spatial Learning: Introducing the Pattern Alphabet	$0	$0	$436,711
87	2022-03-12-77	University of Delaware	Evaluating Earlier Planting Dates for Increased Soybean Yields	$0	$0	$5,650
88	2022-03-12-78	University of Delaware	Soybean Row Spacing and Planting Rate Effects on Litter Decomposition	$0	$0	$5,513
89	2022-03-12-79	University of Delaware	Appendix F, CISTO: Computational and Technological Advances for Scientific Discovery Via LiDAR AI/ML Modeling and Development	$65,174	$0	$0
90	2022-03-12-80	University of Delaware	Complete National Register Nomination for Pershing Park and World War I Memorial	$21,313	$0	$0
91	2022-03-12-81	University of Delaware	Collaborative Research: Developing a Method to Discover New Isotope Fingerprints for Organic Phosphorus Cycling in the Environment	$268,920	$0	$0
92	2022-03-12-82	University of Delaware	Rusted Rice: Unraveling Iron-Microbe-Plant Interactions for Sustainable Rice Production	$609,869	$0	$0
93	2022-03-12-83	University of Delaware	Student Research Affiliation and Biomedical Service Agreement	$0	$0	$116,169
94	2022-03-12-84	University of Delaware	HOTNMS: Harnessing Optomechanical Effects for Tailoring Noise Properties of Mechanical Sensors	$446,999	$0	$0
95	2022-03-12-85	University of Delaware	Next Generation Floating Photovoltaic Systems Enabled by Lightweight and Flexible Photovoltaic Modules	$0	$0	$53,538
96	2022-03-12-86	University of Delaware	Temporal Health Correlates of Cannabis Use Among Arizonans: A Pilot Longitudinal Survey of THC in AZ	$0	$0	$48,128
97	2022-03-12-87	University of Delaware	Computational Modeling of Virus Assembly in the Presence of Nucleic Acids, Liquid-Liquid Phase Separation, and Antiviral Drugs	$0	$0	$175,000
98	2022-03-12-88	University of Delaware	An Exergame for Wellbeing and Educational Needs of Older Adults as Caregivers of AD/ADRD	$0	$0	$200,000
99	2022-03-12-89	University of Delaware	Non-Contact Structural Health Monitoring Using W-Band Piezoresistive Metasurfaces	$0	$0	$123,743
100	2022-03-12-90	University of Delaware	Collaborative Research: NRI: Roborganoids: Microrobotics-Enabled Organoid Formation	$497,407	$0	$0
101	2022-03-12-91	University of Delaware	Does Greater Muscle Fatigability During Walking Explain the Increased Fall Risk of Adults with Knee Osteoarthritis?	$0	$0	$4,270
102	2022-03-12-92	University of Delaware	Diabetic Foot Ulcer Management Through MR Elastography, Stress Modeling and Optimal Shoe Insert Design	$0	$0	$125,000
103	2022-03-12-93	University of Delaware	Global Respiration Comparison (ResCom): Evaluation of Satellite Constrained Top-Down and Bottom-Up Respiration Estimates and Their Relationship with Model Simulations	$0	$0	$206,604
104	2022-03-12-94	University of Delaware	Lightweight, Flexible Modules for High-Value Applications	$0	$0	$37,500
105	2022-03-12-95	University of Delaware	Collaborative Research: FW-HTF-R: Future of Construction Workplace Health Monitoring	$177,169	$0	$0
106	2022-03-12-96	University of Delaware	Comparative Effectiveness of Parent Education Programs Aimed at Advancing Motor, Cognitive, and Language Development in Early Childhood	$2,759,053	$0	$0
107	2022-03-12-97	University of Delaware	Acquisition of a MICRON IV Ocular Imaging System	$248,850	$0	$0
108	2022-03-12-98	University of Delaware	Student Research Affiliation and Biomedical Service Agreement	$0	$0	$14,800
109	2022-03-12-99	University of Delaware	Collaborative Research: CPS: Medium: Systems-Level Ml Specific Memory Management for Extreme Scale Systems: An Event-Driven Approach	$112,655	$0	$0
110	2022-03-13-01	University of Delaware	Discovery of Chemical Probes and Therapeutic Leads: Cryoprobe Upgrade of a 400 MHz NMR	$240,446	$0	$0
111	2022-03-13-02	University of Delaware	Low Noise Small Pitch Swir Buried Photodiode Imagers	$0	$0	$12,500
112	2022-03-13-03	University of Delaware	Very Large Dynamic Range SWIR/Visible Imager	$0	$0	$12,500
113	2022-03-13-04	University of Delaware	Novel Photovoltaic Technology to Simultaneously Harvest Incoming Solar and Outgoing Thermal Radiation	$0	$0	$25,000
114	2022-03-13-05	University of Delaware	Bone Marrow Concentrate (BMC) as a Novel Treatment for Knee Osteoarthritis (OA): Feasibility Study for a Future Randomized Clinical Trial	$0	$0	$361,692
115	2022-03-13-06	University of Delaware	Establishment of a Chicken 3D Enteroids Model to Study the Effects of Bioactive Compounds on Intestinal Functions	$0	$0	$47,500

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116	2022-03-13-07	University of Delaware	Collaborative Research: Chain Transform Fault: Understanding the Dynamic Behavior of a Slow-Slipping Oceanic Transform System	$309,640	$0	$0
117	2022-03-13-08	University of Delaware	Understanding Sleep-Related Pain Over Time and Associated Mechanisms in Later Life	$2,272,303	$0	$0
118	2022-03-13-09	University of Delaware	Laryngeal and Vocal Tract Strategies to Reduce Vocal Fold Contact Pressure	$0	$0	$548,431
119	2022-03-13-10	University of Delaware	Collaborative Research: FW-HTF-R: Supporting Future Crisis Line Work Through the Inclusive Design of Worker-Facing Tools that Empower Self-Management of Wellbeing and Performance	$256,404	$0	$0
120	2022-03-13-11	University of Delaware	4H Walmart Healthy Habits FY2022	$0	$0	$59,400
121	2022-03-13-12	University of Delaware	National Oceanographic Partnership Program (NOPP) Augmented Data Visualization Research & Development Using Cloud-based Systems, Containers, Functions and vNext Display Technologies Expansion	$309,981	$0	$0
122	2022-03-13-13	University of Delaware	Small Innovative Projects in Solar 2022- Concentrating Solar Thermal Power and Photovoltaics	$187,500	$0	$0
123	2022-03-13-14	University of Delaware	In-Situ Hydrogen Microstructural Characterization of Si Heterojunction Passivation: Addressing Voc Degradation and Mitigation Pathways	$187,500	$0	$0
124	2022-03-13-15	University of Delaware	Measuring and Investigating Internet Censorship Through Ground-Truth Based, End-to-End Framework	$0	$0	$57,635
125	2022-03-13-16	University of Delaware	Spatiotemporal Plasma Interactions with Confined Catalyst Pores for Electrified, Modular Methane Dry Reforming	$0	$0	$324,042
126	2022-03-13-17	University of Delaware	Visualization of Economic Damage Thresholds and Interaction of Nematode Populations Following Use of Winter Cover Crops	$0	$0	$5,818
127	2022-03-13-18	University of Delaware	Neuromechanical Mechanisms of Achilles Tendinopathy Progression	$0	$0	$231,055

Delaware State Clearinghouse Committee
April Agenda
Meeting to be Held Virtually - Anchor Location 122 Martin Luther King Jr Blvd S, Haslet Armory, Dover, DE 19901
April 19, 2022 @ 10:00am

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5280	Department of Health and Social Services, Public Health, Community Health	Harm Reduction	$400,000	$0	$0	0.10	0.00	0.00
2	5317	Department of Labor, Unemployment Insurance	Fraud Detection and Prevention - ARP COVID-19	$1,228,000	$0	$0	0.00	0.00	0.00
Continued									
1	5222	Department of Health and Social Services, Public Health, Community Health	Personal Responsibility Education Program	$250,000	$0	$0	0.00	0.00	0.00
2	5235	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 Stroke	$1,888,596	$0	$0	5.05	0.00	0.00
3	5237	Department of Health and Social Services, Public Health, Community Health	Maternal, Infant & Early Childhood Home Visiting Supplement - ARP COVID-19	$695,572	$0	$0	0.00	0.00	0.00
4	5282	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment and Training - Operations	$244,860	$244,860	$0	0.00	0.00	0.00
5	5283	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment and Training - Administration	$207,005	$0	$0	0.67	0.00	0.00
6	5285	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
7	5286	Department of Health and Social Services, Public Health, Community Health	Strategic Prevention Framework for Prescription Drugs	$384,000	$0	$0	0.20	0.00	0.00
8	5288	Department of Health and Social Services, Public Health, Community Health	Milk and Shellfish Grant Program	$4,492	$0	$0	0.00	0.00	0.00
9	5289	Department of Health and Social Services, Public Health, Community Health	State Office of Rural Health	$223,410	$1,127,972	$0	1.25	0.00	0.00
10	5291	Department of Health and Social Services, State Service Centers	Foster Grandparent Program Grant	$576,090	$576,090	$0	0.50	0.50	0.00
11	5302	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment and Training - Participation Reimbursement	$58,515	$58,515	$0	0.00	0.00	0.00
12	5319	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - ARP COVID-19	$995,821	$0	$0	0.00	0.00	0.00
13	5287	Department of Services for Children, Youth and Their Families, Division of Management and Support Services, Family Services, Intervention/Treatment	Title IV-E Kinship Navigator Program	$208,756	$0	$0	0.00	0.00	0.00
14	5278	Department of Agriculture, Animal Health	Animal Disease Traceability	$6,146	$0	$0	0.00	0.00	0.00
Higher Education									
1	2021-11-06-30 Amendment	Delaware State University	Strategies to Effectively Promote Vaccination for Universal Coverage Project (STEP-For-U Project): Social Capital, Health Literacy	$203,698	$0	-$203,698			
2	2022-04-02-01	Delaware State University	Joint-Program to Promote the State of Delaware to Attract International Students	$1,700,000	$0	$0			
3	2022-04-02-02	Delaware State University	H-1B Workforce Grant Program	$9,193,902	$0	$0			
4	2022-04-02-03	Delaware State University	Innovation Lab on Sustainable Intensification	$241,250	$0	$0			
5	2022-04-02-04	Delaware State University	Acetylcholinergic Neurotransmission During Aging	$92,952	$0	$0			
6	2022-04-02-05	Delaware State University	UCLA-DSU Summer Enrichment Neuroscience Experience	$237,557	$0	$0			
7	2022-04-02-06	Delaware State University	High-Efficiency, Zero Emissions MW-Assisted Catalysis for Hydrogen and Chemicals	$74,761	$0	$0			

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8	2022-04-02-07	Delaware State University	Developing Integrated Evaluation Capacity for DSU RISE Programs	$96,210	$0	$0
9	2022-04-02-08	Delaware State University	Broadening Participation in the Natural Sciences Through a Training Program in Field Ornithology	$204,640	$0	$0
10	2022-04-02-09	Delaware State University	“Building STEAM at DSU” STEM Experiential, Academic, and Mentoring Pilot Program at Delaware State University	$826,876	$0	$0
11	2022-04-02-10	Delaware State University	Champlain Hudson Power Express- Sturgeon Monitoring Study	$581,888	$0	$581,888
12	2022-04-09-01	University of Delaware	Collaborative Research: Stemflow and Solute Transport Across Spatial Scales: From Fine-Grained Representation to Stand Structure	$185,911	$0	$0
13	2022-04-09-02	University of Delaware	Collaborative Research: FW-HTF-P: Future of Geriatric Care: Immersive Virtual Patient Training for Nursing Assistants	$18,750	$0	$0
14	2022-04-09-03	University of Delaware	Collaborative Research: FW-HTF-P: Reducing Finished-Product Waste Through Augmented Design Intelligence	$11,880	$0	$0
15	2022-04-09-04	University of Delaware	Multiscale Tendon Damage and Aberrant Cellular Responses in an in Vivo Model of Tendinosis	$1,783,209	$0	$0
16	2022-04-09-05	University of Delaware	Pearls for the Crown: Art, Nature, and Empire in Early Modern Spain and Beyond, 1498-1728	$0	$0	$15,000
17	2022-04-09-06	University of Delaware	Live and Continuous Monitoring of Metal Cylinders and Tanks Using Distributed Carbon Nanomaterial-Based Sensing Networks	$0	$0	$42,533
18	2022-04-09-07	University of Delaware	Monolithically Integrated CMOS-RRAM Neuromorphic System on a Chip for Real-Time Cognition	$0	$0	$397,755
19	2022-04-09-08	University of Delaware	NSF/MCB-BSF: Elucidating Cell-State Dynamics Driving Antiviral Responses in Single Cells	$221,317	$0	$0
20	2022-04-09-09	University of Delaware	3D Printed Carbon Negative Wood-Plastics from Air	$0	$0	$689,724
21	2022-04-09-10	University of Delaware	Tuff Thermoplastic Composites for Navy Platforms Phase II	$8,306,190	$0	$0
22	2022-04-09-11	University of Delaware	Complex Network Analysis of Water Cycle and Extreme Events and Their Future Changes	$0	$0	$138,558
23	2022-04-09-12	University of Delaware	The Impact of Disease Progression on the Integrity of the Motor Brain Circuitry in Parkinson's Disease	$0	$0	$74,181
24	2022-04-09-13	University of Delaware	Dopaminergic Modulation of Motor Network Activity in Parkinson's Disease: A Multimodal MRI Study	$0	$0	$74,843
25	2022-04-09-14	University of Delaware	Biological Control of Invasive Insects Such as Brown Marmorated Stink Bug, Spotted Lanternfly and Spotted Wing Drosophila	$9,091	$0	$0
26	2022-04-09-15	University of Delaware	Text Mining and Information Retrieval and Extraction	$0	$0	$236,753
27	2022-04-09-16	University of Delaware	Appendix G, SMD Astrophysics: Enhanced Detection of Cosmic Rays by Radio Probes	$65,725	$0	$0
28	2022-04-09-17	University of Delaware	PFI:BIC - ASPIRE: Hierarchical Control of a Smart Ankle-Foot Prosthesis That Supports Increased Mobility for Real-Life Activities	$16,000	$0	$0
29	2022-04-09-18	University of Delaware	Building the Knowledge Base for Research Brokerage in Education	$0	$0	$34,993
30	2022-04-09-19	University of Delaware	Understanding and Promoting Cometabolic and Abiotic Oxidation of 1,4-Dioxane and Chlorinated VOCs in Contaminated Groundwater	$0	$0	$183,752
31	2022-04-09-20	University of Delaware	Decoding the Unifying Microbial Metabolic Controllers on Soil Carbon Cycling Across Freshwater Wetlands.	$0	$0	$171,678
32	2022-04-09-21	University of Delaware	Electro-Optic Photonic Integrated Circuits in Thin Lithium Niobate	$0	$0	$39,063
33	2022-04-09-22	University of Delaware	Intact Fiber: An Application Programming Interface for the Design, Simulation, and Optimization of Tow-Steered Composites	$0	$0	$31,248
34	2022-04-09-23	University of Delaware	Developing Integrated Evaluation Capacity for DSU RISE Programs	$0	$0	$7,124
35	2022-04-09-24	University of Delaware	EFRI ELIS Preliminary Proposal: Self Cleaning Infrastructure: Engineered Concrete Ecosystems for Hydrocarbon and Oil Remediation Across Years (SCIENCE HOORAY)	$1,320,888	$0	$0
36	2022-04-09-25	University of Delaware	Pulse Electricity: A Non-Chemical Approach for the Management of Nematodes, Pathogens, and Weeds in Nurseries	$0	$0	$73,862
37	2022-04-09-26	University of Delaware	Uniprot Protein Sequence and Function Embeddings for AI/Machine Learning Readiness - Supplement Request 2022	$0	$0	$68,000
38	2022-04-09-27	University of Delaware	PPARG as a Key Regulator of Sex-Based Differences in Bronchopulmonary Dysplasia	$5,000	$0	$0
39	2022-04-09-28	University of Delaware	Appendix E, Marshall Space Flight Center (MSFC): Designing 3D-Printable Multiceramic Architected Nuclear Fuels	$59,896	$0	$0
40	2022-04-09-29	University of Delaware	Appendix H, NASA SMD Planetary Science Division: Maneuverable Venus Aerobot for Long-Duration Middle Atmosphere Exploration	$93,000	$0	$0
41	2022-04-09-30	University of Delaware	Appendix I, Commercial Space Capabilities (CSC) Research: Small Reentry System for Commercial Payload Return	$93,000	$0	$0
42	2022-04-09-31	University of Delaware	C-H Functionalization of Aromatic Polymers by Thianthrenation	$0	$0	$110,000
43	2022-04-09-32	University of Delaware	Tunable Colloidal Clusters Using Active Colloids	$0	$0	$110,000
44	2022-04-09-33	University of Delaware	Multi-Year, Multi-Partner, Multi-Objective Underwater Innovation Study Croatian Supplement	$0	$0	$116,225

45	2022-04-09-34	University of Delaware	Appendix C, Ochmo and Human Research Program/Space Radiation Element: Parastronaut Space Suit & Vehicle Interface Performance Studies	$85,906	$0	$0
46	2022-04-09-35	University of Delaware	LTER: Ecological Response and Resilience to Press-Pulse Disturbances and a Recent Decadal Reversal in Sea Ice Trends Along the West Antarctic Peninsula	$0	$0	$388,224
47	2022-04-09-36	University of Delaware	Effects of Embodied Rhythm Interventions on Motor Function, Social Communication, Behavioral-Affective, and Cognitive Skills of Children with ASD	$3,215,330	$0	$0
48	2022-04-09-37	University of Delaware	Delaware Center for Musculoskeletal Research, Administrative Supplement for Equipment	$249,183	$0	$0
49	2022-04-09-38	University of Delaware	Flowsheet Model Development for Isolate Plasma Components	$0	$0	$65,175
50	2022-04-09-39	University of Delaware	Californium Highly Charged Ion Clocks for New Physics	$0	$0	$169,719
51	2022-04-09-40	University of Delaware	Supplement: Collaborative Research: Understanding Relationships Between Synthesis, Structure, Solid-State Electrochemistry, and Phase Stability in Clathrates and Related Materials.	$4,000	$0	$0
52	2022-04-09-41	University of Delaware	Investigating Interaction Partners of the MDV Oncoprotein, Meq with Host DNA-Repair Machinery	$0	$0	$1,000
53	2022-04-09-42	University of Delaware	Transgelin as a Regulator of Epithelial to Mesenchymal Transition in Secondary Cataracts	$0	$0	$2,464
54	2022-04-09-43	University of Delaware	Studying Host-Pathogen Interaction of Poultry Bacteria Infectious Disease and the Mechanism of Action of Antibiotics and Antibiotic Alternatives	$0	$0	$83,120
55	2022-04-09-44	University of Delaware	Genomic Surveillance of SARS-CoV-2 in the State of Delaware	$500,000	$0	$0
56	2022-04-09-45	University of Delaware	Study of Regolith Composites for Three-Dimensional Printing of Electronics	$65,181	$0	$0
57	2022-04-09-46	University of Delaware	Search for and Area Documentation for a WWII Loss Near Kennebunkport, ME	$0	$0	$152,641
58	2022-04-09-47	University of Delaware	Development of High-Speed Energy Storage Device Technology Using Doped Graphene for Sodium-Ion Batteries (SIBS)	$0	$0	$16,363
59	2022-04-09-48	University of Delaware	High Performance Temperature Compensated Voltage Regulators Using Gan-On-Si High Electron Mobility Transistors for Space Power and RF Communications	$375,447	$0	$0
60	2022-04-09-49	University of Delaware	Collaborative Research: Scalable Manufacturing Platform for Area-Selective Atomic Layer Deposition	$282,012	$0	$0
61	2022-04-09-50	University of Delaware	Collaborative Research: ISS: Gravitational Effects in VDW Epitaxy of Crystalline Polymer on Graphene	$78,017	$0	$0
62	2022-04-09-51	University of Delaware	2022-2023 4H Health Habits-Regional Coach	$0	$0	$5,400
63	2022-04-09-52	University of Delaware	Modulation of Propulsive Force Generation During Walking Practice After Stroke	$275,001	$0	$0
64	2022-04-09-53	University of Delaware	Educational Affiliation and Biomedical Services	$0	$0	$17,280
65	2022-04-09-54	University of Delaware	Acquisition of Goods and Services	$5,000	$0	$0
66	2022-04-09-55	University of Delaware	BCSER: Investigating Relations Among Elementary Teachers' Mathematics Emotions and Beliefs, Mathematics Instructional Practices and Students' Mathematics Achievement	$225,864	$0	$0
67	2022-04-09-56	University of Delaware	Multi Quantum Well Avalanche Photodiodes for 2.04 um Detection	$0	$0	$51,250
68	2022-04-09-57	University of Delaware	Duckweed and Sorghum Development and Abiotic Stress Responses: From Single Cell to Whole Organism	$0	$0	$299,322
69	2022-04-09-58	University of Delaware	Threatened Resource Documentation, and Resource Digitization FY 2021	$0	$0	$13,346
70	2022-04-09-59	University of Delaware	Bio-Recycling of Polystyrene with Parallel Carbon Dioxide Sequestration (BRiCS)	$0	$0	$646,599
71	2022-04-09-60	University of Delaware	Collagen-Mediated Approaches to Improve the Local Delivery and Hypothermic Release of Osteoarthritis Therapeutics	$2,293,515	$0	$0
72	2022-04-09-61	University of Delaware	The Delaware Stuttering Project: Implementing an Avoidance-Reduction Treatment Approach	$0	$0	$25,000
73	2022-04-09-62	University of Delaware	Design and Synthesis of Metal Chalcogenide Carrier-Selective Transport Layers for SI Solar Cells	$190,065	$0	$0
74	2022-04-09-63	University of Delaware	The Relationship Between Child Language Proficiency and Language of Treatment on the Outcomes of Bilingual Children with Developmental Language Disorder	$0	$0	$700,665
75	2022-04-09-64	University of Delaware	Risk Reduction and Pollution Mitigation of the Bikini Atoll World Heritage Site Sunken Fleet	$0	$0	$80,453
76	2022-04-09-65	University of Delaware	Next Generation Hybrid Heterojunction Solar Cells Enabling TW Scale Deployment	$194,007	$0	$0
77	2022-04-09-66	University of Delaware	Studying Host-Pathogen Interaction of Poultry Bacteria Infectious Disease and the Mechanism of Action of Antibiotics and Antibiotic Alternatives	$0	$0	$91,450
78	2022-04-09-67	University of Delaware	Collaborative Research: Bocp-Implementation: Assessing the Influence of Traits, Environment, and Anthropogenic Context on the Ability of Trees to Support Arthropod Biodiversity	$739,376	$0	$0

79	2022-04-09-68	University of Delaware	Examining the Role of Central Sensitization with Aging: An Investigation of Older Adults with and Without Chronic Low Back Pain	$133,655	$0	$0
80	2022-04-09-69	University of Delaware	Collaborative Research: NSF/MCB: Repurposing Metabolite-Responsive Aptamers for Dynamic Control of Cas6-Mediated Metabolon Assembly	$391,053	$0	$0
81	2022-04-09-70	University of Delaware	NSF Ipa Liaw	$178,381	$0	$0
82	2022-04-09-71	University of Delaware	Assessment of Biochar Amended to Soils in Howard County, MD	$0	$0	$16,186
83	2022-04-09-72	University of Delaware	Surveying Tidal Marsh Bird and Vegetation Communities in the Northeast	$0	$0	$27,344
84	2022-04-09-73	University of Delaware	Enabling Transformational Genome Engineering of Clostridium Organisms	$17,331,383	$0	$0
85	2022-04-09-74	University of Delaware	A Comprehensive Deep Learning System for Multimodal Hidden Targets Detection	$993,255	$0	$0
86	2022-04-09-75	University of Delaware	The Role of Potassium Supplementation on Endothelial Function, BP Regulation, and Oxidative Stress Under High Sodium Conditions	$205,410	$0	$0
87	2022-04-09-76	University of Delaware	Phase III Biochar Amendment of Highway Greenspace Study MOU	$0	$0	$50,973
88	2022-04-09-77	University of Delaware	Can Leaf Area Index Measurement Improve Sensor-Based Nitrogen Recommendations and Plant Biomass Predictions for Corn?	$0	$0	$13,235
89	2022-04-09-78	University of Delaware	University Centers for Excellence in Developmental Disabilities Education, Research and Service	$2,783,846	$0	$0
90	2022-04-09-79	University of Delaware	Grant Voirol DE Sea Grant Knauss Fellowship 2023	$89,000	$0	$0
91	2022-04-09-80	University of Delaware	Energy and Waste Assessments for Metal Fabrication and Manufacturing	$155,053	$0	$0
92	2022-04-09-81	University of Delaware	Preparing Researchers at the Intersection of Special Education and Mathematics (PRISM)	$0	$0	$846,723
93	2022-04-09-82	University of Delaware	Mechanistic Insight of Cell Lifespan Regulation Following Phagocytosis	$459,079	$0	$0
94	2022-04-09-83	University of Delaware	CY2022 NSF Ship Ops Support	$567,834	$0	$0
95	2022-04-09-84	University of Delaware	(ATPH) Expanding the Public Health Workforce W/N the Disability Network	$72,001	$0	$0
96	2022-04-09-85	University of Delaware	Enhancing the Treatment of Pediatric Acute Myeloid Leukemia Through Biomimetic Nanocarrier Delivery of Calicheamicin	$0	$0	$250,000
97	2022-04-09-86	University of Delaware	PRECARE - Platform to Recognize and Evaluate Children for Age-Appropriate Response and Early Detection of Delays	$0	$0	$31,088
98	2022-04-09-87	University of Delaware	2022 DOS ECA Excellence in Chinese Language and Culture NSLI-Y	$0	$0	$100,000
99	2022-04-09-88	University of Delaware	Superlattice Light Emitting Diode Array-Multi Spectral ("SAMS")	$0	$0	$31,250
100	2022-04-09-89	University of Delaware	HEALTH (Health Engagement Access Learning Teaching Humanity) for All (Formerly Mobile Health)	$0	$0	$45,455
101	2022-04-09-90	University of Delaware	Project PROFESSOR (Preparing Researchers for Future Examination and Study of the Science of Reading)	$3,648,620	$0	$0
102	2022-04-09-91	University of Delaware	Investigating Classroom Quality in a Head Start Context: A Mixed Methods Approach	$50,000	$0	$0
103	2022-04-09-92	University of Delaware	Early Head Start Home Visitor Perceptions of Program Environment and Leadership	$50,000	$0	$0
104	2022-04-09-93	University of Delaware	Energy and Waste Assessments for Automotive Manufacturing and Maintenance	$102,796	$0	$0
105	2022-04-09-94	University of Delaware	ODA/USDA EAB Cooperative Agreement: Develop Proactive Biocontrol Strategy Against Emerald Ash Borer in Oregon	$0	$0	$28,719
106	2022-04-09-95	University of Delaware	To Increase Academic Enrichment and Increase School Connectedness of Participants, Including Families, Caregivers, and School Teachers	$0	$0	$210,260
107	2022-04-09-96	University of Delaware	Conformable, Light Weight, High Efficiency Photovoltaic Solar Module for Emerging Terrestrial Applications	$0	$0	$118,194
108	2022-04-09-97	University of Delaware	Dimensionally Stable Thermoset Composites Structures Enabled by Multiscale Computational Design and Additive Manufacturing	$391,735	$0	$0
109	2022-04-09-98	University of Delaware	Identifying Diadromous Fish Abundance, Habitat Utilization, and Fish Passage Feasibility in the Red Clay, White Clay, and Christina Watersheds in New Castle County, Delaware	$0	$0	$139,083
110	2022-04-09-99	University of Delaware	Joy Deep Chakrabartty DE Sea Grant Knauss Fellowship 2023	$89,000	$0	$0
111	2022-04-10-01	University of Delaware	Stephanie Zmina DE Sea Grant Knauss Fellowship 2023	$89,000	$0	$0
112	2022-04-10-02	University of Delaware	Colleen Sullivan DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	$89,000	$0	$0
113	2022-04-10-03	University of Delaware	Deborah Halla DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	$89,000	$0	$0
114	2022-04-10-04	University of Delaware	Jack Polentes DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	$89,000	$0	$0
115	2022-04-10-05	University of Delaware	Jewel Tomsaula DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	$89,000	$0	$0

116	2022-04-10-06	University of Delaware	Richard Peel DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	$89,000	$0	$0
117	2022-04-10-07	University of Delaware	Thalia Beatriz Eigen DE Sea Grant Knauss Fellowship 2023 (DC Applicant)	$89,000	$0	$0
118	2022-04-10-08	University of Delaware	Small Business Administration Cooperative Agreement CY22	$10,194	$7,400	$0
119	2022-04-10-09	University of Delaware	Black Teachers Matter: Co-Constructing a Black Preservice Teacher Network to Improve the Experiences and Retention of Black Preservice Teachers in Teacher Education Programs	$0	$0	$73,596
120	2022-04-10-10	University of Delaware	Quantum Molecular Dynamics with Recurrent Neural Networks	$0	$0	$149,830
121	2022-04-10-11	University of Delaware	Advancing Continuous Biomanufacturing of Monoclonal Antibodies Using an Experimentally Validated Modeling Platform	$3,078,622	$0	$0
122	2022-04-10-12	University of Delaware	Collaborative Research: Derisking Process Development by Understanding the Genetic and Metabolic Drivers of Yarrowia lipolytica Cell Line Instability	$351,202	$0	$0
123	2022-04-10-13	University of Delaware	RII-BEC: Training Diverse Scholars in Data Science to Understand the Brain and Behavior	$652,439	$0	$0
124	2022-04-10-14	University of Delaware	SCH: Model-Informed Patient-Specific Rehabilitation Using Robotics and Neuromuscular Modeling	$784,176	$0	$0
125	2022-04-10-15	University of Delaware	Infusing Earth Observation and Geographic Analysis in the 6th Grade World Regional Geography Lesson Project	$0	$0	$20,432
126	2022-04-10-16	University of Delaware	Spintronics Based on Novel Antiferromagnetic Materials with Spin-Momentum Locking	$0	$0	$167,857

Revised 4/14/22

*New Business requires the attendance of the Contact Person.
Available on the internet at http://budget.delaware.gov/clearinghouse/abm.shtml

Delaware State Clearinghouse Committee
May Agenda
Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901
May 17, 2022 @ 10:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5300	Judicial, Family Court	Court Improvement Program Basic Grant	$298,864	$100,518	$0	1.00	0.57	0.00
2	4917 Amendment	Department of Health and Social Services, Public Health, Community Health	Low-Income Household Water Assistance Program - CRRSA COVID-19 Switch Fund	$0	$0	$0	0.50	-0.50	0.00
3	4991 Amendment	Department of Health and Social Services, Public Health, Community Health	Low-Income Household Water Assistance Program - ARP COVID-19 Switch Fund	$0	$0	$0	0.50	-0.50	0.00
4	5108	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Lab Capacity Data Modernization - CARES Act	$3,440,800	$0	$0	0.00	0.00	0.00
5	5318	Department of Health and Social Services, Public Health, Community Health	Substance Use Stigma Assessment and Response	$220,000	$0	$0	0.05	0.00	0.00
6	5330	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	988 Cooperative Agreement	$250,000	$0	$0	0.00	0.00	0.00
7	5303	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Route 9 Community Enhanced Air Quality Monitoring	$275,828	$0	$0	0.00	0.00	0.00
8	5313	Department of Natural Resources and Environmental Control, Office of Environmental Protection; Climate, Coastal, and Energy	Restoring Upland Habitats in Blackbird Creek	$101,393	$75,000	$0	0.00	0.00	0.00
9	5382	Department of Safety and Homeland Security, Office of the Secretary, Developmental Disabilities Council	Expanding the Public Health Workforce - ARP COVID-19	$95,319	$0	$0	0.00	0.00	0.00
10	2022-04-28-01	Smyrna School District	Emergency Connectivity Fund - ARP COVID-19	$910,000	$0	$0	0.00	0.00	0.00
Continued									
1	5304	Department of Health and Social Services, Public Health, Community Health	Behavioral Risk Factor Surveillance System	$446,496	$0	$0	0.00	0.00	0.00
2	5316	Department of Health and Social Services, Public Health, Community Health	Public Health Emergency Preparedness Cooperative Agreement	$5,383,535	$539,968	$0	33.00	2.31	0.00
3	3521 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's Fisheries Research Vessel	$415,500	$138,500	$0	0.00	1.10	0.00
4	5323	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	State Memorandum of Agreement Program for the Reimbursement of Technical Services	$59,590	$0	$0	0.26	0.00	0.00
5	5324	Department of Natural Resources and Environmental Control, Office of Environmental Protection; Climate, Coastal, and Energy	Weatherization Assistance Program	$783,257	$0	$0	0.00	0.00	0.00
6	5297	Department of Safety and Homeland Security, State Police, Executive	USAG Asset Forfeiture - Justice	$3,000,000	$0	$0	0.00	0.00	0.00
7	5298	Department of Safety and Homeland Security, State Police, Executive	USAG Asset Forfeiture - Treasury	$1,000,000	$0	$0	0.00	0.00	0.00
8	5305	Department of Education, Student Support	Title II Part A Improving Teacher Quality	$10,421,077	$0	$0	2.05	0.00	0.00
9	5306	Department of Education, Academic Support	Title III English Acquisition	$1,393,972	$0	$0	1.10	0.00	0.00
10	5307	Department of Education, Student Support	Title IV Part A Student Support and Enrichment	$5,887,415	$0	$0	0.00	0.00	0.00
11	5308	Department of Education, Academic Support	Individuals with Disabilities Education Act, Part B Section 619	$1,313,306	$0	$0	0.00	0.00	0.00
12	5309	Department of Education, Academic Support	Individuals with Disabilities Education Act, Part B Section 611	$40,017,216	$0	$0	11.50	0.00	0.00

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13	5310	Department of Education, Academic Support	Carl D. Perkins Career and Technical Education	$5,814,321	$0	$0	2.57	0.00	0.00
14	5311	Department of Education, Student Support	Title I, Part A - Improving the Academic Achievement of the Disadvantaged	$54,032,779	$0	$0	2.25	0.00	0.00
Higher Education									
1	5290	Delaware Technical Community College	DEMEP National Institute of Standards & Technology	$3,534,000	$3,534,000	$0			
2	2022-05-07-01	Delaware State University	Title X Family Planning Services and HIV Testing and Counseling Services Contract #22-394	$12,500	$0	$0			
3	2022-05-07-02	Delaware State University	Designer Panicum Virgatum L. Biomass with Reduced Recalcitrance and Increased Stress Resistance for the Sustainable Production of Biofuels and Bioproducts	$6,722,583	$0	$0			
4	2022-05-07-03	Delaware State University	Center for Emerging Catalytic Materials and Technology	$316,357	$0	$0			
5	2022-05-07-04	Delaware State University	State of Delaware Statewide Health Needs Assessment and Improvement Plan	$0	$0	$298,766			
6	2022-05-07-05	Delaware State University	Securing Energy Assets from Brines and Seawater Sources	$480,000	$0	$0			
7	2022-05-07-06	Delaware State University	DSU SNAP ED Program FY2022 Continuation	$312,399	$0	$0			
8	2022-05-14-01	University of Delaware	RII Track-4: NSF: Unravelling Gating Mechanisms of Ion Channels Using Computational and Experimental Ultrafast Vibrational Spectroscopy	$151,268	$0	$0			
9	2022-05-14-02	University of Delaware	Metal-Oxidizing Leptothrix as Biodesign Platforms with Versatile Metabolism and Novel Polymer-Templated Mineral Oxide Synthesis	$4,735,937	$0	$0			
10	2022-05-14-03	University of Delaware	HHS DATI FY2022 Delaware Assistive Technology Initiative	$402,694	$0	$0			
11	2022-05-14-04	University of Delaware	Chemistry and Biology Interface (CBI) NIH T32 Training Grant	$80,000	$0	$0			
12	2022-05-14-05	University of Delaware	Providing a Research Base for Indoor Lighted Production of Strawberries in a Repurposed Poultry House	$0	$0	$19,126			
13	2022-05-14-06	University of Delaware	Center for Autonomous Discovery for Energy-Efficient Quantum Microelectronics (CADEQ)	$424,021	$0	$0			
14	2022-05-14-07	University of Delaware	Microbial Partnering in a Subsurface Anaerobic Methane-Oxidizing Consortium	$1,099,218	$0	$0			
15	2022-05-14-08	University of Delaware	NSF Convergence Accelerator Track G: Cyber Secure 5G-Enabled Mobile Energy Disseminator (MED) Based Dynamic Wireless Charging for Electric Vehicles	$0	$0	$80,576			
16	2022-05-14-09	University of Delaware	Leveraging Collaboration in Example-Based Mathematics Classrooms to Increase Learning, Belonging and Engagement for Minoritized Students	$0	$0	$50,000			
17	2022-05-14-10	University of Delaware	Engineering Lipid Nanoparticles for Drug Delivery to the Placenta to Safely Treat Pregnancy-Related Diseases	$0	$0	$434,243			
18	2022-05-14-11	University of Delaware	Machine Learning for Enabling Faster and Better Interpretation of Soft Materials Structural Characterization	$0	$0	$133,790			
19	2022-05-14-12	University of Delaware	Microbial Community Engineering Tools for Enhancing Polyolefin Degradation and Valorization	$7,994,306	$0	$0			
20	2022-05-14-13	University of Delaware	Fast and Cooperative Ion Transport in Polymer-Based Electrolytes (FaCT)	$500,000	$0	$0			
21	2022-05-14-14	University of Delaware	High-Efficiency, Zero Emissions MW-Assisted Catalysis for Hydrogen and Chemicals	$496,111	$0	$0			
22	2022-05-14-15	University of Delaware	Exploring Elementary Teachers' Feelings, Beliefs and Effectiveness Across Mathematics, Science, and Literacy	$325,712	$0	$0			
23	2022-05-14-16	University of Delaware	Central Networks, Peripheral Factors, and Individual Vulnerability to Postpartum Mood Disorder	$2,225,503	$0	$0			
24	2022-05-14-17	University of Delaware	Procurement Technical Assistance Program Step 2	$294,200	$65,061	$0			
25	2022-05-14-18	University of Delaware	Artificial-Intelligence Based Crop Protection Approaches for Vegetable Farming Systems	$0	$0	$65,942			
26	2022-05-14-19	University of Delaware	Thermal Transport Across Metal-Metal Junctions	$226,607	$0	$0			
27	2022-05-14-20	University of Delaware	Evaluation of the Catherine Hershey Schools for Early Learning: Network Evaluator	$0	$0	$695,466			
28	2022-05-14-21	University of Delaware	Colonial Academic Alliance Preparing Students and Institutions to Engage in Community -Based Learning	$0	$0	$7,500			
29	2022-05-14-22	University of Delaware	Maracoos Support for Delaware HF Radar Units	$0	$0	$3,047			
30	2022-05-14-23	University of Delaware	Maracoos Support of Macan Management	$0	$0	$15,625			
31	2022-05-14-24	University of Delaware	Oceanographic Technical Services	$139,477	$0	$0			
32	2022-05-14-25	University of Delaware	Advancing Chemical Biology Through Innovative Chemistry	$0	$0	$103,272			

33	2022-05-14-26	University of Delaware	Incentivizing Climate Smart Commodities with a Robust MMRV Platform	$0	$0	$155,677
34	2022-05-14-27	University of Delaware	Chesapeake Bay Environmental Forecasting System: Accelerating the Transition of HAB and Pathogen Models from Research to Operations	$0	$0	$70,525
35	2022-05-14-28	University of Delaware	Sharks as Ocean Observers: Predicting Hurricanes and Understanding Animal Movement	$0	$0	$16,912
36	2022-05-14-29	University of Delaware	An ImageJ Plugin for Calcium Image Processing	$114,087	$0	$0
37	2022-05-14-30	University of Delaware	Collaborative Research: HCC: Small: Technology-Assisted Accessible Clothing: Soft Robotic Interaction Technologies and an Assessment Framework for Clothing Accessibility	$195,347	$0	$0
38	2022-05-14-31	University of Delaware	A Request for Supplemental Support for "Collaborative Research: Investigating the Influences of Hydrothermal and Respired Carbon in Intermediate Waters of the Equatorial Pacific Ocean During the Last Deglaciation"	$18,832	$0	$0
39	2022-05-14-32	University of Delaware	Promoting Natural Suppression of Slugs Using Local Parasitic Nematodes	$0	$0	$13,637
40	2022-05-14-33	University of Delaware	Short Fiber Preform Technology for Automotive Part Production	$0	$0	$125,001
41	2022-05-14-34	University of Delaware	Investigating Approach-Avoidance Conflict in Adolescents Who Stutter	$0	$0	$25,000
42	2022-05-14-35	University of Delaware	OES Fellowship Shores	$150,000	$0	$0
43	2022-05-14-36	University of Delaware	Rumen Protected Choline Relative Bioavailability Trial	$0	$0	$22,246
44	2022-05-14-37	University of Delaware	Dinocaps: Natural Capsules for the Deployment of Algicidal Compounds Isolated from the Bacterium Shewanella Sp. Iri-160 for Karenia Brevis Bloom Mitigation	$0	$0	$76,723
45	2022-05-14-38	University of Delaware	NASA Delaware Space Grant College and Fellowship Program Years 3-4 Augmentation 5	$96,916	$0	$0
46	2022-05-14-39	University of Delaware	Development of a Thermodynamically Consistent Rheological Constitutive Equation for Thixotropic Suspensions Connecting Particle Properties to Thermodynamics and Rheology	$25,718	$0	$0
47	2022-05-14-40	University of Delaware	Research and Evaluation on Violence Against Women: "Interrogating Barriers to Help Seeking Through the Criminal Legal System for Women with Marginalized Identities Who Live in Underserved/Over-Policed Communities."	$1,388,409	$0	$0
48	2022-05-14-41	University of Delaware	Promoting Professionalism and Certification: Instilling the Importance of Certification and Facilitating Success on the ASCP BOC	$0	$0	$10,000
49	2022-05-14-42	University of Delaware	Development of a Fuel Cell for the Perhydrobenzyltoluene/Dibenzyltoluene Fuel Pair	$0	$0	$451,711
50	2022-05-14-43	University of Delaware	Virtual Training for School District Leaders, Partnering University Faculty, and Wallace Foundation Consultants and Virtual Training for Wallace Foundation Consultants in the Delaware Assistant Principal Academy Model	$0	$0	$158,745
51	2022-05-14-44	University of Delaware	Production of Environmentally-Acceptable BioLubricants for Hydropower Applications	$0	$0	$31,250
52	2022-05-14-45	University of Delaware	OP: Elucidating Synthesis-Structure Relationships for Complex Nanoparticle Heterostructures	$370,191	$0	$0
53	2022-05-14-46	University of Delaware	Temporal Lighting Optimization to Improve Lettuce Productivity and Nutritional Quality Under Superelevated CO2 Stress	$68,604	$0	$0
54	2022-05-14-47	University of Delaware	The Effect of Spaceflight on Root Growth and Development in Crops	$0	$0	$165,936
55	2022-05-14-48	University of Delaware	Collaborative Research: Leveraging Simulations in Preservice Preparation to Improve Mathematics Teaching for Students with Disabilities	$0	$0	$42,875
56	2022-05-14-49	University of Delaware	Manipulation Atomic Ordering Manufacture of Semiconductors (μ-ATOMS)	$0	$0	$745,208
57	2022-05-14-50	University of Delaware	EFRC: Antiferromagnetic Materials for Spintronics	$0	$0	$429,308
58	2022-05-14-51	University of Delaware	BRITE Pivot: New Artificially Intelligent Damper Models for Next Generation Structural Resiliency	$371,017	$0	$0
59	2022-05-14-52	University of Delaware	The Impact of Socioeconomic Status and Stress on the Neurobiology Underpinnings of Reading	$43,640	$0	$0
60	2022-05-14-53	University of Delaware	SAM: Sustainable Anthracnose Management for Watermelon and Cucumber Growers in the Eastern U.S.	$0	$0	$174,353
61	2022-05-14-54	University of Delaware	Provide the Teaching, Learning, Leadership and Professional Development Department in Guilford County Schools (GCS) Individualized Support Needed to Enhance the Existing Leadership Skills	$0	$0	$146,895
62	2022-05-14-55	University of Delaware	Mode of Action and Target Site Toxicity Model Evaluation for PFAS and Hydraulic Fracking Compounds Journal Manuscript	$0	$0	$7,499
63	2022-05-14-56	University of Delaware	Addressing Critical Needs to Improve Competitiveness of the US Stevia Industry	$0	$0	$210,002
64	2022-05-14-57	University of Delaware	Ronald E. McNair Post-Baccalaureate Achievement	$247,674	$0	$0

65	2022-05-14-58	University of Delaware	Efficacy of Multimodal Treatment for Knee Osteoarthritis	$0	$0	$1,000
66	2022-05-14-59	University of Delaware	Pathway to STEM Success: Multidimensional Support to Improve College Readiness and Close Equity Gaps in a State Community College System	$0	$0	$146,676
67	2022-05-14-60	University of Delaware	Enhancing Graduate Research and Training in Food Safety, Plant Nutrition and Production Optimization in Controlled Environments	$262,500	$0	$0
68	2022-05-14-61	University of Delaware	Addressing Evolving Corn Earworm Management Challenges in Northeast Sweet Corn	$0	$0	$242,587
69	2022-05-14-62	University of Delaware	Agricultural Partnerships to Reinforce Incentives for Climate-Smart Expansion of the Supply-Chain (AgPRICES)	$0	$0	$618,344
70	2022-05-14-63	University of Delaware	PFI-TT: Next-Generation Hybrid Solar Cells Enabling Lower Cost, Safe, and Environmentally Friendly Floating Photovoltaic Installations	$16,000	$0	$0
71	2022-05-14-64	University of Delaware	Quantitative and Qualitative Assessment of Achilles Tendinopathy Neovascularization	$0	$0	$1,000
72	2022-05-14-65	University of Delaware	To Lessen the Impact of the Global Pandemic on NAHLN Laboratory Operating Budgets	$136,364	$0	$0
73	2022-05-14-66	University of Delaware	Computational Analysis & Interpretation of Structure in Fibrillar Materials Relevant to Chemours	$0	$0	$212,376
74	2022-05-14-67	University of Delaware	Nonprehensile Manipulation with Dynamic Walkers	$411,955	$0	$0
75	2022-05-14-68	University of Delaware	The Effects on Children and Parents of Educating Parents About Ways to Play with Babies	$0	$0	$1,500
76	2022-05-14-69	University of Delaware	CAREER: Investigating Changes in Students' Prior Mathematical Reasoning: An Exploration of Backward Transfer Effects in School Algebra	$53,445	$0	$0
77	2022-05-14-70	University of Delaware	Development of Genomic Resources to Accelerate Lima Bean Breeding for Consumer Quality and Agronomic Traits	$0	$0	$317,112
78	2022-05-14-71	University of Delaware	2022 Middle East Partnership Initiative Student Leaders Program	$0	$0	$183,981
79	2022-05-14-72	University of Delaware	Center for Emergent Catalysts and Technologies (CeCT)	$13,289,846	$0	$0
80	2022-05-14-73	University of Delaware	Instructional Coaching and State Early Care and Education Policies: Inclusion, Alignment, and Evidence-Based Practices	$62,499	$0	$0
81	2022-05-14-74	University of Delaware	Improving the Treatment of Bacterial Vaginosis Through Nanocarrier Delivery of Clindamycin	$0	$0	$25,000
82	2022-05-14-75	University of Delaware	Assessing Zero Valent Iron Filtration as a Means to Remove and Render Harmless Coccidian Parasites from Water	$63,388	$0	$0
83	2022-05-14-76	University of Delaware	Planning Grant: DESTRESS (Delaware Earth Science Transformation in Representation, Education for Students and Society)	$207,527	$0	$0
84	2022-05-14-77	University of Delaware	Project DELITE: Delaware English Learners' Impact on Teacher Education	$2,561,109	$0	$0
85	2022-05-14-78	University of Delaware	Understanding Child Diversity in Centers Accepting Child Care Subsidies and Links with State CCDF Policies	$66,008	$0	$0
86	2022-05-14-79	University of Delaware	State Water Resources Research Institute Program Annual Base Grants Fiscal Year 2022 Request for Applications	$133,770	$0	$0
87	2022-05-14-80	University of Delaware	Development of Neuro-Derived Algorithm of Theory of Mind During Cooperative and Competitive Hierarchical Human-Agent	$62,475	$0	$0
88	2022-05-14-81	University of Delaware	Theme 3: AI Institute: Artificial Intelligence-Enabled Decision-Making for Resilient Agroecosystem Management (AII-Dream) in Diverse Hydro-Climate and Physiographic Regions	$0	$0	$465,378
89	2022-05-14-82	University of Delaware	Structural Biology of Second Messenger Signaling in Bacterial Conflict Systems	$1,500,000	$0	$0
90	2022-05-14-83	University of Delaware	Leveraging Phasic Environment and Nutrient Solution Management to Improve Resource Use Efficiency of Indoor Vertical Farming	$0	$0	$405,003
91	2022-05-14-84	University of Delaware	Measuring Consolidation and Local Television News Content	$0	$0	$82,768
92	2022-05-14-85	University of Delaware	MURI: Unraveling the Biology, Chemistry and Nanoscience of Natural and Synthetic Melanins	$0	$0	$148,829
93	2022-05-14-86	University of Delaware	The Impacts of Pre-service Supervised Field Experiences on Elementary Teachers Retention and Effectiveness in Mathematics	$1,066,130	$0	$0
94	2022-05-14-87	University of Delaware	Systematic Study of Plasmon-Induced Charge and Energy Transfer in Metal-Semiconductor Hybrids	$5,000	$0	$0
95	2022-05-14-88	University of Delaware	Cyclospora Collaborative for Outreach, Research, and Education (CycloCORE) Consortium Network	$0	$0	$1,017,495
96	2022-05-14-89	University of Delaware	Predoctoral Training in SensoriMotor Neuroscience	$2,120,797	$0	$0
97	2022-05-14-90	University of Delaware	Supplement: Implementing Stigma Reduction Tools Via a Popular Teletraining Platform to Reduce Clinician Stigma and Disparities in HIV Testing, Prevention, and Linkage to Care in Malaysia	$44,928	$0	$0
98	2022-05-14-91	University of Delaware	Measuring Limb Loads Using a Novel Prosthetic Pylon Force Sensor	$0	$0	$26,999
99	2022-05-14-92	University of Delaware	Creating a Performance Portable Software Ecosystem for Applications of Interest to NCI-DOE	$0	$0	$30,351
100	2022-05-14-93	University of Delaware	Factors Influencing Aphasia Treatment Engagement and Response (TE&R)	$0	$0	$640,966

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101	2022-05-14-94	University of Delaware	SAI-P: Infrastructure Surprises: Hazard Migration in Space and Time	$97,022	$0	$0
102	2022-05-14-95	University of Delaware	Collaborative Research: Low-Head Milldams as Hotspots for Denitrification and Nitrogen Consumption: Hydrologic and Biogeochemical Controls	$31,960	$0	$0
103	2022-05-14-96	University of Delaware	SAI-P: Optimizing Deployment of Green Stormwater Infrastructure for Maximum Benefit	$84,724	$0	$0
104	2022-05-14-97	University of Delaware	Building a Validation and Verification Suite for OpenMP 4.5	$83,281	$0	$0
105	2022-05-14-98	University of Delaware	Glycolic Acid Synthesis Using Nafion-Based Catalysts	$0	$0	$91,065
106	2022-05-14-99	University of Delaware	SARS-CoV-2 Wastewater-Based Epidemiology Research Agreement	$0	$0	$212,173
107	2022-05-15-01	University of Delaware	Quantifying Interannual Changes in Global Ocean Heat Uptake 2003-2025	$0	$0	$187,728

Created 5/4/2022

Delaware State Clearinghouse Committee
June Agenda
Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901
June 27, 2022 @ 9:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5315	Executive, Criminal Justice, Criminal Justice Council	President-Elect Security Assistance Grant	$1,038,916	$0	$0	0.10	0.00	0.00
2	DNREC Positions Request	Department of Natural Resources and Environmental Control, Water Resources, Resource Protection	DNREC 3.0 NSF FTE Request/PFAS Settlement	$0	$0	$0	0.00	0.00	3.00
3	5333	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Sewer Overflow and Stormwater Reuse Municipal Grant	$337,000	$84,250	$0	0.00	0.00	0.00
4	5312	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazard Mitigation DR-4566 Tropical Storm Isaias	$1,731,535	$0	$432,883	1.25	0.00	0.00
5	5358	Department of Transportation, Office of the Secretary, Finance Division	Operating and Preventative Maintenance 5307 Urban - ARP COVID-19	$63,236,476	$0	$0	0.00	0.00	0.00
6	5359	Department of Transportation, Office of the Secretary, Finance Division	Operating and Preventative Maintenance 5311 Rural - ARP COVID-19	$3,427,222	$0	$0	0.00	0.00	0.00
7	5383	Department of Labor, Employment Training, Employment and Training Services	Employment Equity Project - ARP COVID-19	$1,000,000	$0	$0	1.00	0.00	0.00
Infrastructure Investment and Jobs Act, 2021 (IIJA) aka Bipartisan Infrastructure Law (BIL) H.R.3684 November 15, 2021									
			Water Infrastructure Investment Grants	Delaware 's Estimated Allocation Over Five Years					
1	TBD	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Funds: Existing Program Supplement - IIJA	$54,729,000	$9,027,000	$0	0.00	0.00	1.40
2	TBD	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Funds: Emerging Contaminants - IIJA	$4,664,000	$0	$0	0.00	0.00	1.40
3	TBD	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Existing Program Supplement - IIJA	$111,553,000	$18,418,000	$0	2.50	0.00	1.40
4	TBD	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Emerging Contaminants - IIJA	$38,020,000	$0	$0	1.50	0.00	1.40
5	TBD	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Lead Service Line Replacement - IIJA	$142,575,000	$0	$0	2.00	0.00	1.40
			Total	$351,541,000	$27,445,000	$0	6.00	0.00	7.00
Continued									
1	5084 Amendment 2	Executive, Office of Management and Budget	Coronavirus State Fiscal Recovery Fund - ARP COVID-19	$0	$0	$0	1.00	0.00	0.00
2	2022-04-06-01	Executive, Delaware State Housing Authority	Community Development Block Grant	$2,642,996	$0	$0	0.70	0.00	0.00
3	2022-04-06-02	Executive, Delaware State Housing Authority	Housing Opportunities for Persons with Aids	$358,476	$0	$0	0.00	0.00	0.00
4	2022-04-06-03	Executive, Delaware State Housing Authority	Housing Trust Fund	$2,982,433	$0	$0	0.00	0.00	0.00
5	2022-04-06-04	Executive, Delaware State Housing Authority	HOME Investment Partnership	$3,000,039	$0	$0	0.00	0.00	0.00
6	2022-04-06-05	Executive, Delaware State Housing Authority	Emergency Solutions Grants Program	$246,911	$0	$0	0.00	0.00	0.00
7	2022-04-06-06	Executive, Delaware State Housing Authority	Recovery Housing Program	$1,357,066	$0	$0	0.00	0.00	0.00

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8	2022-04-07-01	Executive, Delaware State Housing Authority	Public Housing Operations Program - Moving to Work	$2,432,680	$0	$681,980	0.00	0.00	0.00
9	2022-04-07-02	Executive, Delaware State Housing Authority	Housing Choice Vouchers - Moving to Work	$10,345,670	$0	$0	1.00	0.00	0.00
10	2022-04-07-03	Executive, Delaware State Housing Authority	Family Unification Program	$536,020	$0	$0	0.00	0.00	0.00
11	2022-04-07-04	Executive, Delaware State Housing Authority	Performance Based Contract Administrator Program	$45,461,896	$0	$0	0.00	0.00	0.00
12	2022-04-07-05	Executive, Delaware State Housing Authority	Public Housing Capital Program - Moving to Work	$810,861	$0	$0	0.00	0.00	0.00
13	2022-04-07-06	Executive, Delaware State Housing Authority	Mainstream Voucher Program	$605,729	$0	$0	0.00	0.00	0.00
14	5336	Executive, Criminal Justice, Criminal Justice Council	Childrens Justice Act Grant	$89,206	$0	$0	0.00	0.00	0.00
15	5340	Executive, Criminal Justice, Criminal Justice Council	Residential Substance Abuse Treatment	$176,227	$58,742	$0	0.21	0.05	0.00
16	4898 Amendment	Department of Health and Social Services, Medicaid and Medical Assistance	Medicaid Services XIX-MAP22	$814,530,784	$162,906,157	$0	0.00	0.00	0.00
17	5325	Department of Health and Social Services, Public Health, Community Health	Immunization and Vaccines for Children	$2,381,761	$0	$0	11.00	0.00	0.00
18	5327	Department of Health and Social Services, Social Services	Delaware Senior Medicare Patrol Program	$241,734	$0	$0	0.00	0.00	0.00
19	5332	Department of Health and Social Services, Public Health, Community Health	First Responders - Comprehensive Addiction & Recovery Act	$800,000	$0	$0	0.55	0.00	0.00
20	5346	Department of Health and Social Services, Public Health, Community Health	Hepatitis C Increased Testing and Diagnosis	$315,000	$0	$0	2.00	0.00	0.00
21	5349	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Laboratory Capacity for Infectious Disease	$14,161,026	$0	$0	6.50	0.00	0.00
22	5355	Department of Health and Social Services, Administration, Office of the Secretary	Delaware Health Insurance Individual Market Stabilization	$35,010,817	$0	$0	0.00	0.00	0.00
23	5046 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal, and Energy	Clean Cities Coalition Grant	$20,000	$0	$0	0.00	0.00	0.00
24	3310 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Local Cooperation Agreement Delaware Coastal Protection Project	$995,890	$1,449,370	$0	0.10	0.15	0.00
25	5326	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	E-2-33 Delaware's Rare Plant Conservation Program	$13,050	$4,350	$0	0.00	0.02	0.00
26	5329	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	E-1-31 Delaware's Endangered Species Program	$42,695	$14,232	$0	0.00	0.04	0.00
27	5331	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Brownfields	$444,994	$0	$0	2.75	0.00	0.00
28	5335	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Shellfish Sanitation Equipment	$39,953	$0	$0	0.00	0.00	0.00
29	5338	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Nonpoint Source Implementation Grant	$1,223,200	$663,147	$158,987	3.25	2.60	0.00
30	5370	Department of Natural Resources and Environmental Control, Office of the Secretary, Office of Innovation and Technology Services	Environmental Information Exchange Network	$199,398	$0	$0	0.00	0.00	0.00
31	5392	Department of Labor, Employment Training, Employment and Training Services	Foreign Labor Certification (FY20)	$65,000	$0	$0	1.00	0.00	0.00
32	5393	Department of Labor, Employment Training, Employment and Training Services	Foreign Labor Certification (FY21)	$76,092	$0	$0	1.00	0.00	0.00

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33	5341	Department of Education, Student Support	Title I Part C Migrant Education	$443,184	$0	$0	1.30	0.00	0.00
34	5362	Department of Education, Academic Support	State Assessment and Related Activities	$3,585,897	$0	$0	2.10	0.00	0.00
35	5363	Department of Education, Student Support	Title IV, Part B - 21st Century Community Learning	$6,172,398	$0	$0	0.80	0.00	0.00
36	5364	Department of Education, Student Support	Adult Basic Education	$1,893,090	$855,621	$0	0.10	0.00	0.00
37	5365	Department of Education, Student Support	Education for Homeless Children and Youth	$337,662	$0	$0	0.15	0.00	0.00
38	5366	Department of Education, Office of the Secretary	Rural and Low-Income Schools	$126,740	$0	$0	0.00	0.00	0.00
39	5367	Department of Education, Student Support	Migrant Education Program Consortium Incentive	$118,483	$0	$0	0.00	0.00	0.00

Higher Education

1	2022-06-04-01	Delaware State University	Program for Children - Continuation and Pilot Project	$75,000	$0	$0			
2	2022-06-04-02	Delaware State University	Title X Family Planning Services and HIV Testing and Counseling Services Contract #22-143	$12,500	$0	$0			
3	2022-06-04-03	Delaware State University	Title X Family Planning Services and HIV Testing and Counseling Services Contract #19-380	$10,000	$0	$0			
4	2022-06-04-04	Delaware State University	Thrust 4-Value Added Systems (Part 2)	$80,000	$0	$0			
5	2022-06-04-05	Delaware State University	DSU Community Navigator	$200,000	$0	$0			
6	2022-06-04-06	Delaware State University	Development of Phage Therapy for the Treatment of Enteric Septicemia and Columnaris in Aquaponics Catfish	$299,674	$0	$0			
7	2022-06-04-07	Delaware State University	DSU Public Health Training Scholarship Program	$1,500,000	$0	$0			
8	2022-06-04-08	Delaware State University	Generation of Hydrogen Peroxide and Consecutive Chemical Reactions in Water Microdroplets	$20,995	$0	$0			
9	2022-06-04-09	Delaware State University	Artificial Intelligence (AI) Institute for Coastal-Smart Digital Agriculture (AICoSDA)	$19,928,219	$0	$0			
10	2022-06-04-10	Delaware State University	Delaware Space Observation Center (DSpOC)	$399,985	$0	$0			
11	2022-06-04-11	Delaware State University	On- Chip Sensing Using Mid-Infrared Integrated Photonic Circuits (PICs)	$245,800	$0	$0			
12	2022-06-04-12	Delaware State University	Delaware State University McNair: Growing Opportunity, Advancing Learning (GOAL)	$249,443	$0	$0			
13	2022-06-04-13	Delaware State University	Climate-Smart Milk: Halving Methane Emissions and Carbon Footprints (Measured and Verified) Through Innovative Management Integration from Feeding to Land-Use	$847,920	$0	$0			
14	2022-06-04-14	Delaware State University	Social & Behavioral Factors Related to COVID-19 Rapid Testing in Delaware's Underserved Communities	$1,763,131	$0	$0			
15	2022-06-04-15	Delaware State University	Project ABLE- Igniting an Ocean Economy Tech Center in Kent and Sussex Counties	$300,000	$0	$0			
16	2022-06-04-16	Delaware State University	US Embassy Abidjan, Public Affairs Section	$25,000	$0	$0			
17	2022-06-04-17	Delaware State University	MBDA/Minority College and Universities	$601,422	$0	$0			
18	2022-06-04-18	Delaware State University	Certificates in Multiliteracy: Growth and Competencies for International Studies, Language Content for Professional Purposes and Less Commonly Taught Languages	$218,914	$0	$0			
19	2022-06-11-01	University of Delaware	Inspection/Light Work Class Remotely Operated Vehicle (ROV) for Improved Ocean Research Support from the University of Delaware Research Vessel Hugh R. Sharp	$784,225	$0	$0			
20	2022-06-11-02	University of Delaware	Integrative Data Analysis to Identify Persistent Post-Concussion Deficits and Subsequent Musculoskeletal Injury Risk	$88,244	$0	$0			
21	2022-06-11-03	University of Delaware	Tissue Engineered Total Disc Replacement in a Large Animal Model	$17,713	$0	$0			
22	2022-06-11-04	University of Delaware	Bioactive Injectable Implants for Functional Intervertebral Disc Regeneration	$17,713	$0	$0			
23	2022-06-11-05	University of Delaware	DSC Boost22	$0	$0	$14,818			
24	2022-06-11-06	University of Delaware	Development of Biological Control Methods for Management of Spotted Lanternfly	$24,015	$0	$0			

25	2022-06-11-07	University of Delaware	Conformal Printing of Frequency Selective Surfaces	$0	$0	$26,001
26	2022-06-11-08	University of Delaware	Roads Continue: Long-Term Patterns of Desistance Among an Active Criminal Cohort	$301,373	$0	$0
27	2022-06-11-09	University of Delaware	Collaborative Research: Protein Engineering and Processing of Plant Viral Templates for Controlled Nanoparticle Synthesis	$27,000	$0	$0
28	2022-06-11-10	University of Delaware	Public Allies FY21/22 National Support	$0	$0	$15,297
29	2022-06-11-11	University of Delaware	Using AI to Clarify the Role of Phonological Processing Speed in Reading Difficulty	$0	$0	$53,125
30	2022-06-11-12	University of Delaware	FMSG: ECO: From Carbon Dioxide to Future Bioplastic Manufacturing for Environmental Sustainability	$0	$0	$130,694
31	2022-06-11-13	University of Delaware	Structural Characterization of SARS-CoV-2 Genome Organization by NMR	$1,634,600	$0	$0
32	2022-06-11-14	University of Delaware	Bridging Insights Why It Worked: A Comparative Study of Select Resolved and Unresolved Conflicts Since 1946	$0	$0	$56,036
33	2022-06-11-15	University of Delaware	Fundamental Studies of Catalytic Sites and Catalyst/Membrane Integrations for Advanced Hydroxide Exchange Membrane Electrolyzers	$0	$0	$378,126
34	2022-06-11-16	University of Delaware	Re-Survey of Sharp Points to Estimate Population Change Over Time	$46,809	$0	$0
35	2022-06-11-17	University of Delaware	Collaborative Research: CIF: Small: Hypergraph Signal Processing and Networks Via T-Product Decompositions	$222,635	$0	$0
36	2022-06-11-18	University of Delaware	Yoda1-Augmented Vibration Enhances Standard of Care in Metastatic Breast Cancers	$899,991	$0	$0
37	2022-06-11-19	University of Delaware	The Delaware Space Observation Center (DSpOC)	$801,110	$0	$0
38	2022-06-11-20	University of Delaware	Systematic Study of Plasmon-Induced Charge and Energy Transfer in Metal-Semiconductor Hybrids	$10,000	$0	$0
39	2022-06-11-21	University of Delaware	Scalable Manufacturing of Structured Battery Electrode with Controlled Meso-Scale Architecture for Fast-Charging Li-Ion Battery	$0	$0	$161,489
40	2022-06-11-22	University of Delaware	Therapeutic Design for Enhanced Antiretroviral Delivery to Lymphoid Tissue	$149,031	$0	$0
41	2022-06-11-23	University of Delaware	Assessing the Transport, Transformation, and Fate of Per and Polyfluoroalkyl Substances (Pfas) Across the Land-Sea Transition	$249,487	$0	$0
42	2022-06-11-24	University of Delaware	Factors Affect the Transfer of Bacterial Pathogens to Leafy Greens from Soils	$217,613	$0	$0
43	2022-06-11-25	University of Delaware	Siemens Svc Agreement Hanson 22	$0	$0	$31,338
44	2022-06-11-26	University of Delaware	The Foundation for Renewable Energy and Environment (FREE) Graduate Assistantship	$0	$0	$5,280
45	2022-06-11-27	University of Delaware	RII Track-4: NSF: Develop a Generic Framework to Couple Agent-Based Behavioral Models with Physics-Based Water Models for Socio-Hydrologic Studies	$193,248	$0	$0
46	2022-06-11-28	University of Delaware	UMaine Northeastern Regional Center NPDN 2022-2026- DE	$0	$0	$109,083
47	2022-06-11-29	University of Delaware	Graduate Stipend Support for the Winterthur/University of Delaware Program in Art Conservation	$350,000	$0	$0
48	2022-06-11-30	University of Delaware	Collaborative Research:SWIFT:AI/ML-Powered Trustworthy Dynamic Spectrum Sharing	$164,973	$0	$0
49	2022-06-11-31	University of Delaware	Electromagnetic Material Characterization System for the Development of Novel Multifunctional Composites	$292,500	$0	$0
50	2022-06-11-32	University of Delaware	Assessing the Effectiveness of Marketing Strategies of Native Plants	$0	$0	$6,500
51	2022-06-11-33	University of Delaware	In-Situ Probing of Device-Specific Optoelectronic Material Responses in Large-Scale Active Integrated Photonic Devices	$66,576	$0	$0
52	2022-06-11-34	University of Delaware	Identifying the Optimal Patient-Specific Dynamic Ankle-Foot Orthosis Bending Stiffness in an Evidence-Based Manner that can be Implemented by Clinical Providers	$226,600	$0	$0
53	2022-06-11-35	University of Delaware	Spatially Resolved Micro-Spectrometer for Hybrid Integrated Photonic Materials	$66,576	$0	$0
54	2022-06-11-36	University of Delaware	Analysis of Printed Textiles: Nondestructively Exploring the Dyes - Substrate Interface	$69,525	$0	$0
55	2022-06-11-37	University of Delaware	Intrinsically Disordered Selenoproteins: Synergistic Roles and Individual Functions	$1,530,000	$0	$0
56	2022-06-11-38	University of Delaware	MT CUBA/TIDES Grassroots Conservation with Keystone Plants	$0	$0	$50,000
57	2022-06-11-39	University of Delaware	Enhancing the Quality of Kindergarten Services	$0	$0	$30,000
58	2022-06-11-40	University of Delaware	Probing the Unique Attributes of the Naïve Reservoir	$0	$0	$349,995

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59	2022-06-11-41	University of Delaware	Collaborative Research: Edge FGT: Establishing Functional Genomics in Anaerobic Fungi for Applications in Agriculture, Sustainability, and Carbon Cycling	$6,000	$0	$0
60	2022-06-11-42	University of Delaware	Initial Design-Build of the Securing American Biomanufacturing Research and Education Center (SABRE Center)	$5,000,000	$0	$0
61	2022-06-11-43	University of Delaware	Runoff Risk V3.0 Assessment	$32,207	$0	$0
62	2022-06-11-44	University of Delaware	The Special Initiative on Offshore Wind	$0	$0	$23,437
63	2022-06-11-45	University of Delaware	A Patient-Centered Approach to Interdisciplinary, Team-Based Concussion Care	$0	$0	$79,061
64	2022-06-11-46	University of Delaware	Structural and Functional Analysis of ABCA4 Variants to Determine Pathogenicity and Prognosis of Inherited Retinal Degenerative Diseases	$1,250,000	$0	$0
65	2022-06-11-47	University of Delaware	Development of a Novel Clinical Measure for Evaluating Hip Muscle Function in Service Members, Veterans, and Civilians Living with Lower Limb Amputation	$0	$0	$295,102
66	2022-06-11-48	University of Delaware	Theme 3: AI Institute for Coastal-Smart Digital Agriculture	$0	$0	$4,200,009
67	2022-06-11-49	University of Delaware	Mode of Action and Target Site Toxicity Model Evaluation for PFAS and Hydraulic Fracking Compounds Journal Manuscript	$0	$0	$46,875
68	2022-06-11-50	University of Delaware	Enhanced Recycling of Rare-Earth Elements Through Formation of High-Temperature Sulfate Liquids: Towards More Circular Metal Extraction Pathways	$1,242,863	$0	$0
69	2022-06-11-51	University of Delaware	Probing Nano/Bio Interactions to Understand and Overcome Biological Barriers Limiting Nanomedicine	$2,400,000	$0	$0
70	2022-06-11-52	University of Delaware	NSF Convergence Accelerator Track E: Convergence Towards Nationwide Smart Precision Aquaculture Networks for Sustainable Shellfish Farming	$0	$0	$193,777
71	2022-06-11-53	University of Delaware	Formulation and Evaluation of Biomass-Derived Polymers for High-Performance Applications	$1,098,750	$0	$0
72	2022-06-11-54	University of Delaware	Megawatt Charging System Anl	$0	$0	$100,064
73	2022-06-11-55	University of Delaware	Department of Health and Human Services New Directions Early Head Start Year 26	$2,656,262	$0	$0
74	2022-06-11-56	University of Delaware	Collaboration to Improve Breathing Devices for South Africa	$0	$0	$13,000
75	2022-06-11-57	University of Delaware	Improving Hydration and Safety in the Fire Service with a Novel, Firefighter Hydration Monitoring System	$0	$0	$915,305
76	2022-06-11-58	University of Delaware	Data Collaborations to Support an Equitable and Sustainable Blue Economy	$0	$0	$78,125
77	2022-06-11-59	University of Delaware	Evolution of Host Specificity in Malaria Parasites of Birds	$689,297	$0	$0
78	2022-06-11-60	University of Delaware	Harnessing Plant Growth Promoting Rhizobacteria to Modulate Soil Water Retention to Improve Drought Tolerance in Plants.	$427,013	$0	$0
79	2022-06-11-61	University of Delaware	The Effects on Children and Parents of Educating Parents About Ways to Play with Babies	$0	$0	$10,000
80	2022-06-11-62	University of Delaware	Department of Health and Human Services New Directions Early Head Start Year 26	$73,663	$0	$0
81	2022-06-11-63	University of Delaware	Multisensory Control of Balance During Walking in Parkinson's Disease	$1,296,603	$0	$0
82	2022-06-11-64	University of Delaware	Avoiding Cesarean-Induced Obesity Through Hormone Rescue	$1,270,535	$0	$0
83	2022-06-11-65	University of Delaware	Innovation Framework Agreement	$0	$0	$29,998
84	2022-06-11-66	University of Delaware	Elucidating the Origin of Sudden Cardiac Death in Dilated Cardiomyopathy: from Phenotype Predictors to Therapeutic Targets	$0	$0	$150,000
85	2022-06-11-67	University of Delaware	Enhancing Soldier Performance and Protection to Defeat Evolving Threats	$0	$0	$4,713,226
86	2022-06-11-68	University of Delaware	Chemosensitization of KMT2A Rearranged Pediatric AML	$0	$0	$114,660
87	2022-06-11-69	University of Delaware	Project ABLE - Igniting a Blue Economy Tech Center in Sussex County	$1,146,994	$0	$0
88	2022-06-11-70	University of Delaware	Increase the Capacity of Service Providers to Address Stress and Mental Health Needs Among Northeast Farming Communities.	$0	$0	$10,908
89	2022-06-11-71	University of Delaware	Suction-Based Transcutaneous Nucleic-Acid Delivery Platform: Mechanisms and Optimization	$0	$0	$280,000
90	2022-06-11-72	University of Delaware	Assessing Health Effects of the Disaster of 2021 Texas Severe Winter Storms on Morbidity and Mortality	$0	$0	$120,688
91	2022-06-11-73	University of Delaware	Investigating the Role of ECM Stiffness and Renal Interstitial Cell Patterning During Nephron Differentiation in the Embryonic Mouse Kidney	$0	$0	$830,000
92	2022-06-11-74	University of Delaware	Spatial Prioritization of Avian Migratory Stopover Sites in Minnesota	$0	$0	$78,789
93	2022-06-11-75	University of Delaware	Everyday Quality (EDQ): Building a Practical Toolkit for Continuous Quality Improvement in Family Child Care	$0	$0	$197,763

94	2022-06-11-76	University of Delaware	The Rubin Observatory Construction Project	$0	$0	$84,737
95	2022-06-11-77	University of Delaware	Benchmarking Track Inspection Efficacy with Regard to Track Caused Derailments with Case Studies	$192,558	$0	$0
96	2022-06-11-78	University of Delaware	Compact W-Band Imagers for IED Detection Using BiCMOS Integrated Circuits and Additively Fabricated Metaoptics	$2,206,557	$0	$0
97	2022-06-11-79	University of Delaware	Novel High-Energy-Density Lithium-(Oxygen+Carbon Dioxide) Reserve Batteries	$0	$0	$21,625
98	2022-06-11-80	University of Delaware	Development of Innovative Technologies and Strategies to Mitigate Biological, Chemical, Physical, and Environmental Threats to Food Safety	$0	$0	$79,167
99	2022-06-11-81	University of Delaware	CAREER: Design and Processing of Moisture- Responsive 3D Knitted Structures with Adaptable Mechanical Per-formance	$401,447	$0	$0
100	2022-06-11-82	University of Delaware	Collaborative Research: SaTC: Core: Small: Investigation of Naming Space Hijacking Threat and its Defense	$195,528	$0	$0
101	2022-06-11-83	University of Delaware	Study of the U.S. Institutes for Young Women Leaders	$0	$0	$210,409
102	2022-06-11-84	University of Delaware	Clean Hydrogen Partnership	$6,716,559	$0	$0
103	2022-06-11-85	University of Delaware	HIST/JWST 254: The Jewish Holocaust	$0	$0	$13,000
104	2022-06-11-86	University of Delaware	Longitudinal Structural-Functional Brain Mapping in Epilepsy Patients Selected for Laser Interstitial Thermal Therapy	$0	$0	$225,000
105	2022-06-11-87	University of Delaware	The Longitudinal Relationship of Sedentary Behavior with Health Outcomes in a Community-Based Cohort: The Johnston County Health Study	$3,051,546	$0	$0
106	2022-06-11-88	University of Delaware	Tablet-Based "Apps" for Functional Assessment of the Upper Limb After Stroke	$275,000	$0	$0
107	2022-06-11-89	University of Delaware	Advanced Lithium-Sulfur Batteries with Superhigh Areal Capacity	$0	$0	$35,809
108	2022-06-11-90	University of Delaware	Equitable, Climate-Resilient Decarbonization of the Philadelphia-Newark Metropolitan Region Via District-Scale Energy Innovations, Forest- and Farm-Circular Economy	$0	$0	$306,981
109	2022-06-11-91	University of Delaware	Understanding Sex Differences in Traumatic Stress Reactivity	$1,557,142	$0	$0
110	2022-06-11-92	University of Delaware	A Wearable and Wirelessly-Powered System for Therapeutic Alternating Electric Field Application in Rodents	$0	$0	$74,055
111	2022-06-11-93	University of Delaware	Professional Development to Foster Effectiveness of the Leadership Team at JE Moss Elementary School	$0	$0	$5,661
112	2022-06-11-94	University of Delaware	University of Delaware Upward Bound Math & Science Program	$313,778	$0	$0
113	2022-06-11-95	University of Delaware	Next Generation MRI Scanner for Biomedical and Brain Research	$2,000,000	$0	$0
114	2022-06-11-96	University of Delaware	Radio America Production of Educational Audio and Video Features for the Center for Economic Educations & Entrepreneurship	$0	$0	$71,945
115	2022-06-11-97	University of Delaware	High-Intensity Interval Training to Recover Walking Post-Stroke: HIT-Stroke Trial 2	$0	$0	$743,550
116	2022-06-11-98	University of Delaware	Collaborative Research: SHF: Medium: Practical and Rigorous Correctness Checking and Correctness Preservation for Irregular Parallel Programs	$8,000	$0	$0
117	2022-06-11-99	University of Delaware	Regulating Multiple ER/SR Complexes by Targeting Cardiac Hsp90ß	$2,000,000	$0	$0
118	2022-06-12-01	University of Delaware	A Customized, Wearable Hydration Monitor for Older Adults	$275,000	$0	$0
119	2022-06-12-02	University of Delaware	Expandqise: Track 1: Development of ER-Doped Semiconductor Nanophotonics to Realize Optoelectronic Capabilities for Quantum Information Applications at Telecom Wavelengths	$0	$0	$134,938

*New Business requires the attendance of the Contact Person.
Available on the internet at http://budget.delaware.gov/clearinghouse/abm.shtml

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 19, 2022 @ 10:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5413	Executive, Criminal Justice, Criminal Justice Council	Statewide Violence Reduction Project Byrne Discretionary	$1,900,000	$0	$0	0.53	0.00	0.00
2	5408	Executive, Criminal Justice, Criminal Justice Council	Presidential Security Assistance Grant	$1,549,913	$0	$0	0.00	0.00	0.00
3	5409	Executive, Criminal Justice, Criminal Justice Council	Statewide Body-Worn Camera Byrne Discretionary	$1,600,000	$0	$0	0.00	0.00	0.00
4	5351	Executive, Office of Management and Budget, Food Distribution	The Emergency Food Assistance Program - CARES Build Back Better	$287,101	$0	$0	0.00	0.00	0.00
~~5~~	~~5131 Amendment~~	~~Department of Health and Social Services, Public Health, Community Health~~	~~Maternal and Child Health Services Switch Fund~~ (Rescheduled for August)	~~$0~~	~~$0~~	~~$0~~	~~-1.00~~	~~1.00~~	~~0.00~~
6	5343	Department of Health and Social Services, Public Health, Community Health	Modernizing Environmental Public Health Tracking	$900,361	$0	$0	2.75	0.00	0.00
7	5368	Department of Health and Social Services, Public Health, Community Health	Transforming Pediatrics in Early Childhood	$4,000,000	$0	$0	0.50	0.00	0.00
8	5380	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Enhanced Monitoring of Particulate Matter 2.5 & National Ambient Air Quality Standard Pollutants - ARP COVID	$249,500	$0	$0	0.00	0.00	0.00
9	5397	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Hockessin Cleaners Operable Unit 2 Removal	$10,000	$0	$0	0.07	0.00	0.00
Continued									
1	5384	Legal, Department of Justice	Victims Compensation Assistance	$1,219,000	$0	$0	0.00	0.00	0.00
2	5404	Department of State, Division of Arts, Office of the Director	Promotion of the Arts -Partnership Agreement	$825,500	$825,500	$0	3.00	0.00	0.00
3	5412	Department of State, Libraries	Library Services and Technology Act	$1,204,611	$658,697	$0	7.00	8.00	0.00
4	5344	Department of Health and Social Services, Public Health, Community Health	Well-Integrated Screening & Evaluation for Women	$500,000	$166,667	$0	1.20	0.00	0.00
5	5369	Department of Health and Social Services, Public Health, Community Health	Infants and Toddlers with Disabilities	$2,433,483	$0	$0	10.00	0.00	0.00
6	5372	Department of Health and Social Services, Public Health, Community Health	Ryan White Care Act Title II Supplement	$2,000,000	$0	$0	0.00	0.00	0.00
7	5373	Department of Health and Social Services, Public Health, Community Health	Overdose Data to Action Supplement Extension	$5,377,830	$0	$0	10.40	0.00	0.00
8	5376	Department of Health and Social Services, Public Health, Community Health	Delaware Violent Death Reporting System	$283,314	$0	$0	1.00	0.00	0.00
9	5378	Department of Health and Social Services, Social Services	Refugee Social Service Case Program	$236,334	$0	$0	0.00	0.00	0.00
10	5387	Department of Health and Social Services, Public Health, Community Health	Childhood Lead Poisoning Prevention	$1,500,000	$0	$0	1.00	0.00	0.00
11	5407	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal, and Energy	Delaware Coastal Management Program Implementation	$3,281,700	$3,103,700	$0	9.50	11.45	0.00
12	5401	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Beaches Environmental Assessment and Coastal Health	$211,000	$0	$0	0.10	0.00	0.00
13	5361	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's White-Nose Syndrome Grant	$23,297	$0	$0	0.05	0.00	0.00

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14	5395	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal and Energy	Delaware National Estuarine Research Reserve Operations	$1,639,050	$702,450	$0	4.50	1.90	0.00
15	5398	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Chesapeake Bay Regulatory and Accountability Programs for Chesapeake Bay Reporting	$4,640,929	$3,335,569	$1,305,360	1.14	4.86	0.00
16	5124 Amendment	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 402 Planning and Administration	$769,006	$0	$0	0.00	0.00	0.00
17	5071 Amendment	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405C Traffic Safety Information System Improvements	$98,280	$0	$0	0.00	0.00	0.00
18	5350	Department of Labor, Office of Occupational and Labor Market Information	Workforce Information Grant	$301,540	$0	$0	1.50	0.00	0.00
19	5386	Department of Labor, Employment and Training, Employment and Training Services	Disabled Veterans Outreach Program	$592,188	$0	$0	6.00	0.00	0.00
20	5385	Department of Labor, Employment and Training, Employment and Training Services	Work Opportunity Tax Credit	$12,450	$0	$0	0.25	0.00	0.00
21	5416	Department of Agriculture, Plant Industries	Spotted Lanternfly Survey	$550,000	$0	$0	1.00	0.00	0.00
22	5403	Department of Education, Student Support	Prevention and Intervention Programs for Children	$286,865	$0	$0	0.00	0.00	0.00
23	2022-06-15-02	Caesar Rodney School District	Dover Air Force Base School Budget	$10,648,061	$0	$0	0.00	0.00	0.00
Higher Education									
1	5352	Delaware Technical Community College	Pell Grant Program DTCC CW	$20,613,529	$0	$0			
2	5353	Delaware Technical Community College	Federal Direct Student Loan Program	$18,517,077	$0	$0			
3	5356	Delaware Technical Community College	Federal Work Study Program DTCC	$352,664	$105,117	$0			
4	5357	Delaware Technical Community College	Federal Supplemental Educational Opportunity Grants DTCC	$387,773	$131,390	$0			
5	2021-10-02-02 Amendment	Delaware State University	Community Well-Being Initiative Kent County Expansion	$2,339,423	$0	$0			
6	2022-07-09-01	Delaware State University	Expanding Career Pathways for Minorities in Food and Agricultural Sciences	$150,000	$0	$0			
7	2022-07-09-02	Delaware State University	Acquisition of a LECO CN828 Carbon/Nitrogen Determinator	$56,544	$0	$0			
8	2022-07-09-03	Delaware State University	US Embassy Abidjan, Public Affairs Section	$25,000	$0	$0			
9	2022-07-09-04	Delaware State University	MBDA/Minority College and Universities	$601,422	$0	$0			
10	2022-07-09-05	Delaware State University	Equitable, Climate-Resilient Decarbonization of the Philadelphia-Newark Metropolitan Region Via District-Scale Energy Innovations, Forest and Farm-Circular Economy	$1,000,670	$0	$0			
11	2022-07-09-06	Delaware State University	HPC cluster to strengthen Delaware State University Genomics Core Center	$401,848	$0	$0			
12	2022-07-09-07	Delaware State University	Development of PET Imaging Agents Targeting VEGFR3 in the Meningeal Lymphatic System	$211,789	$0	$0			
13	2022-07-09-08	Delaware State University	Visioning a Fisheries and Aquaculture Innovation Center to Strengthen the DE Seafood System	$0	$0	$46,674			
14	2022-07-09-09	Delaware State University	Swimming to Water Competency	$0	$0	$75,000			
15	2022-07-09-10	Delaware State University	Advancing Healthy Lifestyles: Chronic Disease, Health Equity and COVID 19: Phase II	$59,999	$0	$0			
16	2022-07-09-11	Delaware State University	AG Discovery Summer Enrichment Program	$54,066	$0	$0			
17	2022-07-09-12	Delaware State University	Federal Supplemental Educational Opportunity Grants 2022-2023	$224,932	$0	$0			
18	2022-07-09-13	Delaware State University	Federal Work Study Program 2022-2023	$228,436	$0	$0			
19	2022-07-16-01	University of Delaware	Development of Market-Oriented High-Value Co-Products from Municipal Solid Wastes	$0	$0	$277,116			
20	2022-07-16-02	University of Delaware	Sleep Extension + Timed Eating: A Novel, Integrated Approach to Prevent Overt Cardiovascular Disease in at-Risk Mid-Life Adults	$841,083	$0	$0			
21	2022-07-16-03	University of Delaware	Low Voltage E-SWIR APD	$0	$0	$37,501			
22	2022-07-16-04	University of Delaware	Cerebral Palsy Research Network - Data Coordinating Center	$0	$0	$1,241,655			

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23	2022-07-16-05	University of Delaware	Proton Exchange Membrane Research for Cost-Competitive Zero-Emission Combat Vehicles	$1,985,706	$0	$0
24	2022-07-16-06	University of Delaware	Understanding and Improving Undergraduate CS Regulation, Performance, and Motivation Using Digital Traces and Technologies	$234,375	$0	$0
25	2022-07-16-07	University of Delaware	A Data-Based Evaluation of Combining Automated and Manual Inspections for Improving Railroad Safety and Cost Efficiency	$0	$0	$201,116
26	2022-07-16-08	University of Delaware	The Dynamics of Anti-Immigration Attitudes in Liberal Democracies	$0	$0	$15,000
27	2022-07-16-09	University of Delaware	The Dynamics of Anti-Immigration Attitudes in Liberal Democracies	$0	$0	$2,500
28	2022-07-16-10	University of Delaware	Acquisition of Goods and Services	$2,727	$0	$0
29	2022-07-16-11	University of Delaware	Acquisition of Goods and Services	$4,545	$0	$0
30	2022-07-16-12	University of Delaware	Acquisition of Goods and Services	$18,182	$0	$0
31	2022-07-16-13	University of Delaware	NOAA NWS National Mesonet Program 2021	$0	$0	$19,243
32	2022-07-16-14	University of Delaware	Coordination and Dissemination of Technical Assistance to Support Rural Communities, Region 3	$0	$0	$130,000
33	2022-07-16-15	University of Delaware	Quantifying Crop Biomechanics Across Plant Lifespans	$4,000	$0	$0
34	2022-07-16-16	University of Delaware	mm-Wave GaN HEMT Prototyping	$0	$0	$48,205
35	2022-07-16-17	University of Delaware	Mapping Global Irrigated and Rainfed Croplands	$0	$0	$15,000
36	2022-07-16-18	University of Delaware	Cooperative Extension Service Immunization Education	$0	$0	$249,803
37	2022-07-16-19	University of Delaware	Additively Manufactured Low-Density, Flexible, and Structural Insulators for Hypersonic Vehicles	$0	$0	$38,902
38	2022-07-16-20	University of Delaware	Coaching Support for Envision Math High School Teachers	$0	$0	$32,938
39	2022-07-16-21	University of Delaware	Professional Coaching to Improve Bookworms Reading & Writing Curriculum Implementation	$0	$0	$9,263
40	2022-07-16-22	University of Delaware	Predicting Language and Literacy Growth in Children with ASD Using Statistical Learning	$0	$0	$313,449
41	2022-07-16-23	University of Delaware	Accessing Childcare Subsidized by the Child Care and Development Fund: Eligible Families Experiences	$1,073,117	$0	$0
42	2022-07-16-24	University of Delaware	CogniSense: Center on Cognitive Multispectral Sensors	$0	$0	$591,874
43	2022-07-16-25	University of Delaware	Delaware Sea Grant: Enhancing Coastal Adaptation and Resilience	$93,435	$0	$0
44	2022-07-16-26	University of Delaware	A Critical, Ecological Perspective on Wallace Foundation Research Production, Diffusion, and Use	$0	$0	$468,575
45	2022-07-16-27	University of Delaware	Human Interfaces for Latent Explanations and Alignment of AI Policies (HILEAP)	$0	$0	$59,349
46	2022-07-16-28	University of Delaware	Public Health Extreme Events Research (PHEER): A Collaborative, Multi-Institutional Approach to Conducting Time-Sensitive Public Health Disaster	$0	$0	$31,672
47	2022-07-16-29	University of Delaware	A Conservative Low Rank High Order Tensor Approach for Nonlinear Vlasov Equations	$294,179	$0	$0
48	2022-07-16-30	University of Delaware	Multi-Scale Meniscus Mechano-Adaptation with Altered Loading	$2,696,861	$0	$0
49	2022-07-16-31	University of Delaware	Delaware SEU Energy Assessment Program	$0	$0	$73,246
50	2022-07-16-32	University of Delaware	Simplifying and Mobilizing Conservation in Agriculture for a Climate Resilient Tomorrow(SMART) - Testing the Impacts of Enhanced Technical and Financial Assistance to Historically Under-Served Farmers	$4,316,079	$0	$0
51	2022-07-16-33	University of Delaware	Acquisition of Orbitrap Quadrupole Mass Spectrometer for Advancing Cross-Disciplinary Research in Agro-Environment and Food Safety	$499,219	$0	$0
52	2022-07-16-34	University of Delaware	Understanding and Improving Undergraduate CS Regulation, Performance, and Motivation Using Digital Traces and Technologies	$67,031	$0	$0
53	2022-07-16-35	University of Delaware	Supplement to Elucidating Biogenesis and Cargo Sorting Mechanisms for Discrete Extracellular Vesicle Subpopulations in C. Elegans	$85,159	$0	$0
54	2022-07-16-36	University of Delaware	A Comprehensive System for 3D Augmented Reality with Fusion on Radar, IR, Color, Depth (Using Stereo) and Classification of Hidden Target Objects	$680,223	$0	$0
55	2022-07-16-37	University of Delaware	A Share of the Machine: Techno-Politics, Labor, and the Crisis of Post-War Automation	$0	$0	$11,726
56	2022-07-16-38	University of Delaware	High Clearance Sprayer Enhancing Applied Agricultural Research and Extension	$170,705	$0	$0
57	2022-07-16-39	University of Delaware	CSGrad4US Mentoring Program - Phase Two	$0	$0	$32,633
58	2022-07-16-40	University of Delaware	4H Programming in NCC, 4H, Rt9 and Knollwood for FY2023	$0	$0	$84,000

59	2022-07-16-41	University of Delaware	Wall-Bounded Streamwise Vortex Destruction	$40,765	$0	$0
60	2022-07-16-42	University of Delaware	Fostering Language Development and Literacy in Times of War: Access to E-Books for Ukrainian Children	$0	$0	$169,000
61	2022-07-16-43	University of Delaware	Low Cost Carbon-Carbon Manufacturing	$0	$0	$40,625
62	2022-07-16-44	University of Delaware	Increase the Capacity of Service Providers to Address Stress and Mental Health Needs Among Northeast Farming Communities	$0	$0	$18,182
63	2022-07-16-45	University of Delaware	Rise of Populism as a Reaction Against Global Imposition of Equality	$0	$0	$15,000
64	2022-07-16-46	University of Delaware	Illustrative Math Support	$0	$0	$96,239
65	2022-07-16-47	University of Delaware	Collaborative Research: Research Infrastructure: CCRI: New: Data-Driven Cybersecurity Research Infrastructure for Smart Manufacturing	$208,363	$0	$0
66	2022-07-16-48	University of Delaware	Efficient and Resilient Biomanufacturing in Variable Gravity	$0	$0	$266,576
67	2022-07-16-49	University of Delaware	Improving Assistive Technology Access: Expansion of the DATI Device Inventory and Implementation of AT Policy and Funding Guidance	$827,386	$0	$0
68	2022-07-16-50	University of Delaware	Commercializing Process Systems Engineering Tools for Continuous Pharmaceutical Drug Product Manufacturing	$0	$0	$49,554
69	2022-07-16-51	University of Delaware	Holistic Evaluation of Soil, Water, and Vegetation Related Ecosystem Services at Utility Scale Solar Installations	$0	$0	$212,916
70	2022-07-16-52	University of Delaware	MRI: Acquisition of Biolayer Interferometer Octet RH16 for Label-Free Detection of Biomolecular Interactions	$365,567	$0	$0
71	2022-07-16-53	University of Delaware	High Performance eSWIR APDs Based Upon Bismide Containing Compound Semiconductors	$0	$0	$34,313
72	2022-07-16-54	University of Delaware	No Power, at Home Covid Diagnostic with Tactile Readout	$275,000	$0	$0
73	2022-07-16-55	University of Delaware	Early Intervention for Cognitive Decline (ENCODE): A Phase I Tele-Therapy Study to Reduce Risk of Alzheimer's Disease Dementia	$2,006,581	$0	$0
74	2022-07-16-56	University of Delaware	Sleep Assessment Using an e-Textile in Children with Down Syndrome	$0	$0	$89,398
75	2022-07-16-57	University of Delaware	Cooperative Agreement with University of Delaware Anthropology for an Archaeological Overview and Assessment of First State National Park	$93,851	$0	$0
76	2022-07-16-58	University of Delaware	Porous Molecules as a Platform for Solid-State Organometallic Chemistry	$57,088	$0	$0
77	2022-07-16-59	University of Delaware	Collaborative Research: The Internal Wave Spectrum and Boundary Mixing in the Sub-Tropical South Atlantic	$878,782	$0	$0
78	2022-07-16-60	University of Delaware	Center for Hierarchical and Robust Modeling of Non-Equilibrium Transport (CHaRMNET)	$0	$0	$453,649
79	2022-07-16-61	University of Delaware	MCAO Provencal Salary	$0	$0	$126,445
80	2022-07-16-62	University of Delaware	Transient Cerebrospinal Fluid (CSF) Flow in Brain Concuss	$0	$0	$114,188
81	2022-07-16-63	University of Delaware	Nemours Laurenceau Goyal 22	$0	$0	$160,325
82	2022-07-16-64	University of Delaware	Coastal and Gulf Stream Ocean Alkalinity Enhancement (OAE) Experiment	$0	$0	$9,613,298
83	2022-07-16-65	University of Delaware	Improving Poultry Based Food Security in North America Via the Expansion of a Novel Remote Sensing Wild Bird Surveillance Tool Linked to AI Environmental	$0	$0	$83,564
84	2022-07-16-66	University of Delaware	Act Early Ambassador FY21	$0	$0	$1,590
85	2022-07-16-67	University of Delaware	Analyzing 14 Years of Landbird Data for the Northern Colorado Plateau I&M Network of the National Park Service	$48,212	$0	$0
86	2022-07-16-68	University of Delaware	Development and Application of Compound-Specific Oxygen Isotope Analysis for Tracing Environmental Fate of Insensitive Munitions (DNAN, NTO) and 1,4-Dioxane	$510,540	$0	$0
87	2022-07-16-69	University of Delaware	Pilot Evaluation of a Targeted Mental Health Intervention for High School Students	$0	$0	$18,444
88	2022-07-16-70	University of Delaware	Expanding the Geographic Coverage of the Waterfowl Tracker	$0	$0	$16,383
89	2022-07-16-71	University of Delaware	CICI: TCR: Towards Resilient and Sustainable Data Center Infrastructure with Power and Thermal Safety	$0	$0	$224,233
90	2022-07-16-72	University of Delaware	Mechanisms of Neuromuscular Fatigue in Huntington's Disease	$0	$0	$79,374
91	2022-07-16-73	University of Delaware	Adding Insult to Injury: The Effects of Repetitive Neurotrauma on Age-Related Decline in Females and Males	$3,203,443	$0	$0
92	2022-07-16-74	University of Delaware	Multisensory Processing for Balance Control in Walking	$1,784,986	$0	$0
93	2022-07-16-75	University of Delaware	The Effects of Digital Skills Training on Female Labor Force Participation Targeting Females in Punjab	$0	$0	$21,708
94	2022-07-16-76	University of Delaware	Establishing the Molecular Mechanism of Energy-to-Work Conversion by Dynein Motors	$0	$0	$100,000
95	2022-07-16-77	University of Delaware	CC* Data Storage: Shareable, Equitable, and Extensible Data Storage for Collaborative Data-Intensive Research	$467,526	$0	$0

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96	2022-07-16-78	University of Delaware	Development of a New Course on "Science, Technology, and Applications of Green Hydrogen"	$0	$0	$123,249
97	2022-07-16-79	University of Delaware	Randomized Algorithms for Continually-Learning Higher-Order Graph Neural Networks	$0	$0	$297,472
98	2022-07-16-80	University of Delaware	Microrobot-Guided Targeting of Age-Related Reproductive Physiology	$399,999	$0	$0
99	2022-07-16-81	University of Delaware	Implementing the Landbird Monitoring Protocol for the National Park Service Units of the National Capital Region Network	$102,790	$0	$0
100	2022-07-16-82	University of Delaware	Collaborative Research: CPS: Medium: Cyberorganoids: Microrobotics-Enabled Differentiation Control Loops for Cyber Physical Organoid Formation	$328,533	$0	$0
101	2022-07-16-83	University of Delaware	Polarimeter to Unify the Corona and Heliosphere	$0	$0	$32,500
102	2022-07-16-84	University of Delaware	NERME Meat and Poultry Processing Grants	$591,089	$0	$0
103	2022-07-16-85	University of Delaware	Acquisition of Goods and Services	$10,000	$0	$0
104	2022-07-16-86	University of Delaware	Field Demonstration of an Integrated Nanoscale Zero Valent Iron-Hydrogen Peroxide Process for Complete Destruction of Munitions Compounds in Wastewater	$0	$0	$45,432
105	2022-07-16-87	University of Delaware	Increasing Access to Teacher Education for Students of Color: Building a Pipeline from High School Teacher Academies to the University of Delaware (UD Teacher Pipeline Project)	$121,935	$0	$0
106	2022-07-16-88	University of Delaware	Toolkit for Fast, Multipurpose and Inducible Bioorthogonal Chemistry	$1,847,078	$0	$0
107	2022-07-16-89	University of Delaware	Coaching to Improve the Implementation of the Bookworms Reading and Writing Curriculum	$0	$0	$12,351
108	2022-07-16-90	University of Delaware	The Foundation for Renewable Energy and Environment (FREE) Graduate Assistantship 2022/2023	$0	$0	$26,339
109	2022-07-16-91	University of Delaware	Sussex County Appropriation Sussex Fiscal Years 2023 - 2027	$0	$0	$109,049
110	2022-07-16-92	University of Delaware	Doctoral Dissertation Research: Time is of the Essence: Measuring Offline Speech-Motor Learning Through Electrophysiological and Neurobiological Indices	$12,000	$0	$0
111	2022-07-16-93	University of Delaware	Career: Characterization and Development of Prokaryotic Argonauts for Synthetic Biology	$6,000	$0	$0
112	2022-07-16-94	University of Delaware	Illuminating the Role of Adipose GPR18 in Obesity-Induced Endothelial Dysfunction	$99,514	$0	$0
113	2022-07-16-95	University of Delaware	Cerebral Palsy Research Network - Data Coordinating Center	$0	$0	$1,089,540
114	2022-07-16-96	University of Delaware	Reproductive Ecology of Sika Deer on the Delmarva Peninsula	$0	$0	$301,982
115	2022-07-16-97	University of Delaware	Ars Biirl Coop Agmt Bartlett22	$77,257	$0	$0
116	2022-07-16-98	University of Delaware	Comprehensive Description of Differential Lead Exposure Among U.S. Schools	$0	$0	$43,478

*New Business requires the attendance of the Contact Person.
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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 16, 2022 @ 10:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5131 Amendment	Department of Health and Social Services, Public Health, Community Health	Maternal and Child Health Services - Switch Fund	$0	$0	$0	-2.00	2.00	0.00
2	5347	Department of Health and Social Services, Public Health, Community Health	Farmer's Market Nutrition Program Modernization - ARP COVID-19	$248,934	$0	$0	0.00	0.00	0.00
3	5446	Department of Health and Social Services, Public Health, Community Health	Small, Underserved and Disadvantaged Communities Emerging Contaminants - IIJA	$231,000	$0	$0	0.00	0.00	0.00
4	5493	Department of Health and Social Services, Substance Abuse and Mental Health Administration	State Opioid Response Grant	$37,282,640	$0	$0	8.00	0.00	0.00
5	5543	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
6	5476	Department of Services for Children, Youth and Their Families, Division of Prevention and Behavioral Health Services, Prevention/Early Intervention	Garrett Lee Smith Suicide Prevention Grant	$735,000	$0	$0	0.00	0.00	0.00
7	5431	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Blades Groundwater Operable Unit 2 Remedial Investigation Feasibility Study	$15,272	$0	$0	0.10	0.00	0.00
8	5452	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Leaking Underground Storage Tank Cleanup - Switch Fund	$1,782,840	$198,093	$0	4.30	0.00	0.00
9	5456	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Hazardous Waste Management Program - Switch Fund	$2,296,964	$765,654	$0	7.25	1.70	0.00
10	5485	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Creating an Alerting System for Wildlife - ARP COVID-19	$690,863	$0	$0	0.00	0.00	0.00
11	5486	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Wild Bird and Environmental Surveillance - ARP COVID-19	$437,770	$0	$0	0.00	0.00	0.00
12	5415	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazard Mitigation DR-4526 COVID-19	$6,500,644	$217,200	$505,094	2.00	0.00	0.00
13	5542	Christina School District	Expand Implementation of the Advancement through Individual Determination (AVID) Program	$250,000	$0	$0	0.00	0.00	0.00
Continued									
1	5460	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients & Provider Act State Health Insurance Assistance	$64,854	$29,826	$0	0.40	0.30	0.00
2	5461	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients & Provider Act Area on Aging	$53,736	$0	$0	0.10	0.00	0.00
3	5462	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients & Provider Act Aging and Disability Resource Center	$33,540	$0	$0	0.10	0.00	0.00
4	5492	Department of State, Historical and Cultural Affairs, Office of the Director	Historic Preservation Grant-in-Aid	$597,572	$398,381	$0	5.40	3.50	0.00
5	5390	Department of Health and Social Services, Medicaid and Medical Assistance	Medicaid Services XIX-MAP23	$1,743,785,064	$859,759,884	$0	0.00	0.00	0.00
6	5399	Department of Health and Social Services, Medicaid and Medical Assistance	Children's Health Insurance Program	$47,995,342	$7,341,194	$0	1.42	1.41	0.00
7	5400	Department of Health and Social Services, Substance Abuse and Mental Health Administration	Medicaid Administration - Title XIX	$4,223,930	$22,739,066	$0	189.18	166.88	0.00
8	5405	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program	$17,000,000	$17,000,000	$0	133.78	133.88	0.00
9	5406	Department of Health and Social Services, Social Services	Child Care Development-Discretionary	$15,036,274	$1,688,178	$0	17.55	18.35	0.00

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10	5414	Department of Health and Social Services, Social Services	Temporary Assistance for Needy Families	$32,290,981	$30,422,730	$0	28.67	23.87	0.00
11	5432	Department of Health and Social Services, Public Health, Community Health	Special Supplement Nutrition Program for Women, Infants and Children - Administration	$6,563,599	$0	$0	50.00	0.00	0.00
12	5433	Department of Health and Social Services, Public Health, Community Health	Special Supplement Nutrition Program for Women, Infants and Children	$9,877,014	$5,315,900	$0	0.00	0.00	0.00
13	5434	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children - Breastfeeding	$275,248	$0	$0	0.00	0.00	0.00
14	5447	Department of Health and Social Services, Public Health, Community Health	EPA State Lead-Based Paint Program - Combined	$340,215	$0	$0	1.50	0.00	0.00
15	5466	Department of Health and Social Services, Public Health, Community Health	Preventive Health and Health Services Block Grant	$287,667	$0	$0	0.00	0.00	0.00
16	5491	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Projects for Assistance in Transition from Homelessness	$300,000	$100,000	$0	0.00	0.00	0.00
17	5545	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Community Mental Health Block Grant	$1,726,567	$0	$0	1.00	0.00	0.00
18	5374	Department of Health and Social Services, Public Health, Community Health	Hospital Preparedness Program	$1,086,723	$108,998	$0	2.15	0.33	0.00
19	5375	Department of Health and Social Services, Public Health, Community Health	Delaware Perinatal Cooperative	$275,000	$0	$0	0.00	0.00	0.00
20	5388	Department of Health and Social Services, Public Health, Community Health	Maternal, Infant & Early Childhood Home Visiting Grant	$3,684,909	$1,710,065	$0	1.50	0.00	0.00
21	5419	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	5435	Department of Health and Social Services, Child Support Services	Child Support Enforcement	$23,649,917	$11,341,088	$0	124.08	63.92	0.00
23	5436	Department of Health and Social Services, Child Support Services	Child Support Enforcement Incentive	$1,286,974	$0	$0	21.00	0.00	0.00
24	5467	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B Subpart 1 - Child Welfare Services	$821,249	$273,750	$0	3.00	0.00	0.00
25	5468	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B, Subpart 2 - Promoting Safe and Stable Families	$983,722	$612,600	$0	2.00	6.00	0.00
26	5469	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E - Independent Living Program	$500,000	$125,000	$0	2.00	0.00	0.00
27	5470	Department of Services for Children, Youth, and Their Families, Family Services, Intake/Investigation	Child Abuse Prevention and Treatment Act	$289,885	$0	$0	4.00	0.00	0.00
28	5471	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV, Part E - Education and Training Vouchers	$49,781	$12,445	$0	0.00	0.00	0.00
29	5472	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B, Subpart 2 - Promoting Safe and Stable Families	$62,295	$20,765	$0	0.00	0.00	0.00
30	5474	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E Adoption Assistance	$4,832,116	$4,832,116	$0	0.00	0.00	0.00
31	5475	Department of Services for Children, Youth and Their Families, Management Support Services, Office of the Secretary	Title IV-E Foster Care	$4,544,000	$4,544,000	$0	0.00	0.00	0.00
32	5449	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Leaking Underground Storage Tank Prevention	$796,185	$265,395	$0	3.00	0.80	0.00
33	5453	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Water Quality Management - Planning	$150,000	$0	$0	0.20	0.00	0.00
34	5458	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Recreational Boating Safety Financial Assistance	$1,054,156	$1,054,156	$0	6.25	9.95	0.00
35	3860 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Hockessin Site Wide Remediation Investigation and Feasibility Study	$5,000	$0	$0	0.04	0.00	0.00

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36	3998 Amendment	Department of Natural Resources and Environmental Control, Office of the Environmental Protection, Division of Waste and Hazardous Substances	Hockessin Cleaners PCE Site Operable Unit 2 Remedial Investigation and Feasibility Study	$5,000	$0	$0	0.04	0.00	0.00
37	4766 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Blades Groundwater Operable Unit 1 Remedial Investigation and Feasibility Study	$12,354	$0	$0	0.10	0.00	0.00
38	4963 Amendment	Department of Natural Resources and Environmental Control, Office of the Secretary, Office of Environmental Protection, Air Quality	State Clean Diesel Grant Program	$446,972	$698,701	$845,541	0.00	0.00	0.00
39	5402	Department of Natural Resources and Environmental Control, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Preliminary Assessment/Site Inspection	$241,027	$0	$0	1.10	0.00	0.00
40	5411	Department of Natural Resources and Environmental Control, Waste and Hazardous Substances	Support Agency Cooperative Agreement - NCR Millsboro	$6,502	$0	$0	0.06	0.00	0.00
41	5425	Department of Natural Resources and Environmental Control, Watershed Stewardship	Community Assistance Program	$119,749	$29,937	$0	1.00	0.15	0.00
42	5427	Department of Natural Resources and Environmental Control, Fish and Wildlife	Port Security Grant Program (DNREC)	$411,234	$137,078	$0	0.00	0.00	0.00
43	5430	Department of Natural Resources and Environmental Control, Fish and Wildlife	Joint Enforcement Agreement	$248,883	$747	$0	1.80	0.00	0.00
44	5454	Department of Safety and Homeland Security, State Police, Criminal Investigation	Port Security Grant Program (DSHS)	$587,250	$95,750	$0	0.00	0.00	0.00
45	2022-06-15-03	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Radiological Emergency Preparedness (REP) Program	$0	$0	$1,344,272	0.00	0.00	10.75
46	5451	Department of Labor, Employment and Training, Employment and Training Services	Wagner-Peyser Act Employment Services	$1,900,099	$0	$0	19.90	0.00	0.00
47	5424	Department of Agriculture, Plant Industries	Farm Bill-National Honeybee Survey	$13,800	$0	$0	0.00	0.00	0.00
48	5495	Department of Education, Student Support	Pandemic EBT Local Level Administrative Cost Grant - CRRSA COVID-19	$91,515	$0	$0	0.00	0.00	0.00
49	5521	Colonial School District	School Violence Prevention Program	$492,700	$164,233	$0	0.00	0.00	0.00

Higher Education

1	2022-08-06-03	Delaware State University	Modernizing a Shared-Use Animal Facility Supporting Neuroscience Research at an HBCU	$332,600	$0	$0
2	2022-08-06-04	Delaware State University	Child and Adult Care Food Program (CACFP) FY22	$22,887	$0	$0
3	2022-08-06-05	Delaware State University	Settlers of the Milky Way: A Culturally Responsive Astrobiology Modeling Project to Increase Minority Student Engagement and Confidence in Mathematics and Science	$252,336	$0	$0
4	2022-08-06-06	Delaware State University	Evaluation of Dover PSN Year 4	$0	$0	$9,085
5	2022-08-06-07	Delaware State University	CyberOrganoids: Microrobotics-Enabled Differentiation Control Loops for Cyber Physical Organoid Formation	$98,934	$0	$0
6	2022-08-06-08	Delaware State University	Defect Engineering in 2D Systems for Photonic and Nano-Devices (2D-SPAND)	$996,272	$0	$0
7	2022-08-06-09	Delaware State University	FAB: A Heterogeneous Ferroelectronics Platform for Accelerating Big Data Analytics	$84,747	$0	$0
8	2022-08-06-10	Delaware State University	Implementation, Management, and Sustainment of the IMPROVE Project	$1,499,999	$0	$0
9	2022-08-06-11	Delaware State University	CRISPR/Cas9 to Study Peptide Induced Histone Modifications in Legumes	$44,950	$0	$0
10	2022-08-06-12	Delaware State University	CAREER: Microporous Organic Polymer Based Membranes: Atom Transfer Radical Polymerization (ATRP) Synthesis from Dual-Role Synthons and Application for Direct Carbon Dioxide Capture from Air	$501,652	$0	$0
11	2022-08-13-01	University of Delaware	Collaborative Research: Harnessing Mobility: The Developmental Dynamics of Locomotion, Object Exploration, and Communication in Infant-Caregiver Dads	$355,100	$0	$0
12	2022-08-13-02	University of Delaware	High-Resolution, Anisotropic MR Elastography of the Brain	$2,714,608	$0	$0
13	2022-08-13-03	University of Delaware	Coaching to Support the Implementation of Bookworms Reading and Writing Curriculum	$0	$0	$1,545
14	2022-08-13-04	University of Delaware	Coaching with Observation and Feedback to Support the Implementation of Bookworms Reading and Writing Curriculum K-5	$0	$0	$2,059
15	2022-08-13-05	University of Delaware	Bookworms Coaching & Professional Learning Support at NLELA, LES & LMS	$0	$0	$78,741

16	2022-08-13-06	University of Delaware	RWJF Health Policy Scholar's Program 2021 Calaia Jackson	$0	$0	$124,000
17	2022-08-13-07	University of Delaware	Wood Duck Reproductive Success and Brood Ecology from Artificial Nest Boxes in the Delmarva Peninsula	$0	$0	$78,564
18	2022-08-13-08	University of Delaware	How "Mattering" Matters: Leveraging Relational Practices to Reduce School Inequalities for Black and Latinx Adolescents	$0	$0	$325,574
19	2022-08-13-09	University of Delaware	Sintering of Recycled Nd-Fe-B Powders	$0	$0	$7,500
20	2022-08-13-10	University of Delaware	#KeepPlaying: Moving Public Opinion on Transgender Students' Inclusion in Sports	$0	$0	$4,800
21	2022-08-13-11	University of Delaware	Doctoral Dissertation Research: Examining the Role of Code-Switching on Word Recognition and Word Learning Across Cultures	$12,000	$0	$0
22	2022-08-13-12	University of Delaware	Career: Moving During Deliberation Online Interplay Between Deciding and Acting	$386,112	$0	$0
23	2022-08-13-13	University of Delaware	ISS: Kinetics of Nanoparticle Self-Assembly in Directing Fields	$14,469	$0	$0
24	2022-08-13-14	University of Delaware	Impact of PIP5K1 on Extracellular Vesicle Biogenesis	$100,000	$0	$0
25	2022-08-13-15	University of Delaware	The Impacts of Global Large-Scale Land Acquisitions on Local Socio-Ecological Systems	$0	$0	$48,750
26	2022-08-13-16	University of Delaware	Community Comms: A Hybrid Web Usage Mining, Crowd-powered, Online News Media Literacy Network	$0	$0	$74,664
27	2022-08-13-17	University of Delaware	The National Institute for Innovation in Manufacturing Biopharmaceuticals (NIIMBL)	$51,671,809	$0	$0
28	2022-08-13-18	University of Delaware	University of Delaware Biopharmaceutical Manufacturing Innovation Equipment	$2,906,250	$0	$0
29	2022-08-13-19	University of Delaware	Evaluation of the 2022 Cycle of the Regional Educational Laboratories Program	$0	$0	$111,594
30	2022-08-13-20	University of Delaware	Social Norms Project	$0	$0	$7,150
31	2022-08-13-21	University of Delaware	Development and Assessment of Sustainable Hemp Feedstock for the Bioeconomy	$0	$0	$999,192
32	2022-08-13-22	University of Delaware	University of Delaware Child Care Access Means Parents in School Program (UD-CCAMPIS)	$1,044,311	$0	$0
33	2022-08-13-23	University of Delaware	The Influence of Virtual Reality Environments on Voice Perception and Production	$279,846	$0	$0
34	2022-08-13-24	University of Delaware	Fude-TG: NSF Future of Semiconductors Center for Heterogeneous Power Microsystems-on-Dielets (HPMoD)	$0	$0	$58,893
35	2022-08-13-25	University of Delaware	ISGF V2G India	$0	$0	$101,014
36	2022-08-13-26	University of Delaware	Stabilizing and Disseminating the Center for Historic Architecture and Designs Archive of Vanishing Historic Architecture of the Mid-Atlantic	$251,448	$0	$0
37	2022-08-13-27	University of Delaware	Doctoral Dissertation Research: Creation, Perception and Use of Gender Expansive Synthetic Voices	$12,000	$0	$0
38	2022-08-13-28	University of Delaware	CAREER: Computational Principles of Motor Decision-Making: From Deliberative Strategies to Automatic Action Selection	$395,369	$0	$0
39	2022-08-13-29	University of Delaware	Antecedents, Mechanisms, and Outcomes of Extreme Intergroup Antipathy	$453,125	$0	$0
40	2022-08-13-30	University of Delaware	Feodor Lynen Fellowship Host Contribution: General number and the DP/NP Question	$68,365	$0	$0
41	2022-08-13-31	University of Delaware	Doctoral Dissertation Research: Differential Object Marking (DOM) in Burmese	$11,986	$0	$0
42	2022-08-13-32	University of Delaware	Career: Regulation of Cyclic-Di-AMP Metabolism and Functions in Bacteria	$904,815	$0	$0
43	2022-08-13-33	University of Delaware	CAREER: Accelerating General-Purpose Encrypted Computation on Diverse Hardware	$329,926	$0	$0
44	2022-08-13-34	University of Delaware	The Relationship Between Child Language Proficiency and Language of Treatment on the Outcomes of Bilingual Children with Developmental Language Disorder	$0	$0	$696,528
45	2022-08-13-35	University of Delaware	Understanding Adolescent Covid-19 Vaccination and the Influence of Parents and Social Media as Information Sources	$275,000	$0	$0
46	2022-08-13-36	University of Delaware	Enhancing Soil Regeneration with Climate Smart Application of Poultry Litter Via Equipment and Supply Chain Innovation and Market Expansion for Organic Production	$0	$0	$102,205
47	2022-08-13-37	University of Delaware	Delaware Digital Collections Portal	$48,830	$0	$0
48	2022-08-13-38	University of Delaware	LTER: Ecological Response and Resilience to Press-Pulse Disturbances and a Recent Decadal Reversal in Sea Ice Trends Along the West Antarctic Peninsula	$0	$0	$51,500
49	2022-08-13-39	University of Delaware	Co-Design of Atomically-Precise Fabrication for Future Semiconductor Manufacturing	$232,559	$0	$0
50	2022-08-13-40	University of Delaware	CAREER: Enhancing GaN-on-Si High Electron Mobility Transistor Technology for High Frequency and High Power Applications	$381,208	$0	$0

51	2022-08-13-41	University of Delaware	Emergency Poultry Disease Response and Policy (EPDRP) International Symposium and Veterinary Diagnostic Laboratory Quality Assurance (VDLQA) Symposium	$336,320	$0	$0
52	2022-08-13-42	University of Delaware	NSF Convergence Accelerator Track H: "About Us, Not Without Us": Designing Inclusive Apparel Products and Empowering Employment for PWD	$539,730	$0	$0
53	2022-08-13-43	University of Delaware	CAREER: Aerosol Transport in Well-Defined Periodic Porous Metamaterials	$490,218	$0	$0
54	2022-08-13-44	University of Delaware	The Blue Edge of the Helium White Dwarf Instability Strip	$0	$0	$126,134
55	2022-08-13-45	University of Delaware	The Origins and Evolution of Helium Atmosphere White Dwarfs	$0	$0	$65,131
56	2022-08-13-46	University of Delaware	Divide and ConQuery: Gamifying Natural Language Query Construction to Minimize Data Subset Divergence	$0	$0	$49,922
57	2022-08-13-47	University of Delaware	CAREER: Exercising to Learn: A Cross-Cultural Investigation of the Role of Physical Activity of Second-Language Learning	$358,751	$0	$0
58	2022-08-13-48	University of Delaware	Machine Learning Approaches to Map Fine-Scale Changes in Smallholder Agricultural Systems	$237,645	$0	$0
59	2022-08-13-49	University of Delaware	NSF Convergence Accelerator Track I: Sustainable Materials for Global Challenges: Recycled Textile and Apparel Manufacturing Ecosystems (RETAME)	$507,838	$0	$0
60	2022-08-13-50	University of Delaware	Development of Volume Manufacturing Processes for Chalcogenide Hybrid Inorganic/Organic Polymer Optics	$0	$0	$29,014
61	2022-08-13-51	University of Delaware	A Compact Electrochemical DAC System	$2,124,401	$0	$0
62	2022-08-13-52	University of Delaware	Microrobot-Guided Targeting of Prostate Tumors	$899,999	$0	$0
63	2022-08-13-53	University of Delaware	Fuse-TG: Enhanced Functionality and Performance of Semiconductor-Based Computing and Communication Through Chiplet-Like Heterointegration	$0	$0	$59,050
64	2022-08-13-54	University of Delaware	Columbia World Projects: Columbia Center for Women's Health Innovation Evaluation	$0	$0	$135,059
65	2022-08-13-55	University of Delaware	CAREER: Towards a Neuro-Motivational Model of Speech Development	$361,296	$0	$0
66	2022-08-13-56	University of Delaware	Active- and Meta-Learning AI Techniques for Device and Material Simulation	$0	$0	$343,310
67	2022-08-13-57	University of Delaware	A Comprehensive Multi-Vehicle Based Deep Learning System for Diurnal Multimodal Hidden Targets Detection	$3,481,736	$0	$0
68	2022-08-13-58	University of Delaware	Proposed Preceptorship Experience for Kristin Wolf in the Delaware ACTIVE Lab	$0	$0	$1,000
69	2022-08-13-59	University of Delaware	Proposed Preceptorship Experience for Joseph Whiting in the Delaware ACTIVE Lab	$0	$0	$1,000
70	2022-08-13-60	University of Delaware	Chicken SATB1 Reprograms Gene Expression During Marek's Disease Virus Infection	$0	$0	$93,521
71	2022-08-13-61	University of Delaware	Integrated Photonic Metalens System for Low Swap Advanced SWIR Imager	$801,082	$0	$0
72	2022-08-13-62	University of Delaware	CAREER: Toward Securing Serverless Computing on Containers	$364,046	$0	$0
73	2022-08-13-63	University of Delaware	CAREER: Van Der Waals Phase Change Material for Integrated Photonic Memory	$360,258	$0	$0
74	2022-08-13-64	University of Delaware	CAREER: Control of Magnon Interactions in Nanoscale Networks	$421,286	$0	$0
75	2022-08-13-65	University of Delaware	CAREER: Establishing the Mechanistic Role of Differential Phosphorylation in Regulating Viral Life-Cycle Processes	$615,870	$0	$0
76	2022-08-13-66	University of Delaware	Sensorimotor Control of Balance During Walking	$688,634	$0	$0
77	2022-08-13-67	University of Delaware	High Power Low Loss GaN-on-Si Based RF Switches for W-Band and G-Band Atmospheric Radars	$836,643	$0	$0
78	2022-08-13-68	University of Delaware	CAREER: Blockchained Multi-Agent Learning for Privacy-Preserving Mobility Services	$356,609	$0	$0
79	2022-08-13-69	University of Delaware	Assessment of Achilles Tendon Injury in Adolescents	$100,529	$0	$0
80	2022-08-13-70	University of Delaware	AUCD/CDC Act Early Ambassador FY23 Mallory	$0	$0	$9,500
81	2022-08-13-71	University of Delaware	CAREER: Block Polyelectrolyte Complexes for Controlled Mixed Ionic-Electronic Conduction	$413,743	$0	$0
82	2022-08-13-72	University of Delaware	CAREER: Understanding Regulatory Modalities of Bacterial ATP-Dependent Proteases	$521,097	$0	$0
83	2022-08-13-73	University of Delaware	CAREER: Biochemical and Structural Mechanisms Controlling tRNA-Modifying Metalloenzymes	$642,180	$0	$0
84	2022-08-13-74	University of Delaware	CAREER: Design and Swarm Control of Responsive Microrobots for Targeted Delivery of Therapeutics	$366,616	$0	$0
85	2022-08-13-75	University of Delaware	CAREER: Build Long-Term Climate Resilience in 21st-Century Regional Urban Land Systems Through Integrated Data-Driven Research and Education	$346,609	$0	$0

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86	2022-08-13-76	University of Delaware	PFC: Quantum SEnsors for Exploring the Dark Sector (QSEEDS)	$0	$0	$375,000
87	2022-08-13-77	University of Delaware	Louis Stokes STEM Pathways and Research Alliance: Greater Philadelphia Region LSAMP (Philadelphia AMP)	$0	$0	$148,120
88	2022-08-13-78	University of Delaware	CAREER: Improving Fairness in Healthcare AI	$387,784	$0	$0
89	2022-08-13-79	University of Delaware	Conference: PhonolEEGy 2	$31,064	$0	$0
90	2022-08-13-80	University of Delaware	CAREER: The Science of Novel Immiscible Biphase and Transport-Selective Electrolytes for Stable Precipitation-Dissolution Battery Chemistries	$433,234	$0	$0
91	2022-08-13-81	University of Delaware	Climate-Smart Sustainable Agriculture: Transform Wastes to Fuel and Fertilizer and Converge AI for Enhancing Crop Yield and Soil Health	$8,986,745	$0	$0
92	2022-08-13-82	University of Delaware	Advancing Healthy Lifestyles FY23	$0	$0	$42,712
93	2022-08-13-83	University of Delaware	CAREER: Augmenting Protein Biochemistry in Live Cells by Designing a Platform for Non-Standard Amino Acid Biosynthesis	$797,580	$0	$0
94	2022-08-13-84	University of Delaware	CAREER: The Large-Scale Quantification of Climate Risk Adaptations	$315,791	$0	$0
95	2022-08-13-85	University of Delaware	HEALTH (Health, Engagement, Access, Learning, Teaching and Humanity) for All, 2023-2026	$0	$0	$909,090
96	2022-08-13-86	University of Delaware	Educational Affiliation and Biomedical Services	$0	$0	$40,100
97	2022-08-13-87	University of Delaware	Christiana Care Health Care Services Research Amendment 16	$0	$0	$126,956
98	2022-08-13-88	University of Delaware	Christiana Care HealthCare Services Research Amendment 17	$0	$0	$28,783
99	2022-08-13-89	University of Delaware	Doctoral Fellowship Initiative for Saeed Esfandi	$0	$0	$26,339
100	2022-08-13-90	University of Delaware	MOU Between UD and AvriServe LLC - Extension	$0	$0	$61,200
101	2022-08-13-91	University of Delaware	Evaluating the Evidence on Racial Disproportionality in Special Education	$0	$0	$8,513
102	2022-08-13-92	University of Delaware	CAREER: Toward Trustworthy Machine Learning for High-Stakes Scientific Applications	$319,011	$0	$0
103	2022-08-13-93	University of Delaware	Speech and Communicative Timing Across Languages and Linguistic Contexts	$0	$0	$40,225
104	2022-08-13-94	University of Delaware	Time is of the Essence: Investigating the Impact of Rest and Sleep on Speech-Motor Learning in Adolescents with and Without a History of Childhood Apraxia of Speech	$100,529	$0	$0
105	2022-08-13-95	University of Delaware	HQIM Math Coaching & Professional Learning	$0	$0	$89,035
106	2022-08-13-96	University of Delaware	Theoretical and AI/ML Prediction of Novel MALDI-MS Signatures	$565,960	$0	$0
107	2022-08-13-97	University of Delaware	Evaluating the Evidence on Racial Disproportionality in Special Education	$0	$0	$8,353
108	2022-08-13-98	University of Delaware	YEA Teen Agriscience (TAG) Climate Ambassadors Project	$0	$0	$475,058
109	2022-08-14-01	University of Delaware	Sedentary Behavior in Knee Osteoarthritis: A Nationwide Internet-Based Cohort Study	$1,000	$0	$0
110	2022-08-14-02	University of Delaware	Determination of Activation of Aluminum Sulfate on Ammonia Control for Broiler Litter Under Winter Conditions	$0	$0	$7,225
111	2022-08-14-03	University of Delaware	Identifying Waves in the Solar Wind Over Multiple Solar Cycles Using Convolutional Neural Networks	$65,621	$0	$0
112	2022-08-14-04	University of Delaware	TUFF/PEKK Panel Manufacturing Services	$122,833	$0	$0
113	2022-08-14-05	University of Delaware	EAGER: Quantum Manufacturing: Toward Deterministic Arrays Generating Photon Cluster States	$202,271	$0	$0
114	2022-08-14-06	University of Delaware	Efficacy of the DCCS Program: ESL and Classroom Teachers Working Together with Students and Families	$0	$0	$12,736
115	2022-08-14-07	University of Delaware	Non-Academic Research Internships for Graduate Students (INTERN)	$36,137	$0	$0
116	2022-08-14-08	University of Delaware	RSA Acquisition of Goods and Services	$56,900	$0	$0

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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 20, 2022 @ 10:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5613	Department of Technology and Information, Administration	Digital Equity Planning - IIJA	$516,096	$0	$0	1.00	0.00	0.00
2	5570	Department of State, Division of Libraries	Library Telehealth	$270,300	$0	$0	0.00	0.00	0.00
3	5496	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Infrastructure Support for Effective Basins - IIJA	$750,000	$0	$0	0.00	0.00	0.00
4	5551	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal and Energy	Coastal Management Program Building Capacity - IIJA	$450,000	$0	$0	0.00	0.00	0.00
5	5552	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal and Energy	National Estuarine Research Reserve Building Capacity - IIJA	$300,000	$0	$0	0.00	0.00	0.00
6	5501	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 402 Planning and Administration	$2,990,921	$214,986	$0	5.00	2.00	0.00
7	5502	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(c) Traffic Safety Information System Improvements	$417,167	$0	$0	1.00	0.00	0.00
8	5505	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(d) Impaired Driving Countermeasures	$1,430,809	$0	$0	1.00	0.00	0.00
9	5597	Department of Labor, Unemployment Insurance	Unemployment Insurance Tiger Team Grant	$1,755,000	$0	$0	3.10	0.00	0.00
10	5560	Department of Agriculture, Administration	Local Food Purchase Assistance Cooperative Agreement - ARP COVID-19	$900,000	$0	$0	0.00	0.00	0.00
Infrastructure Investment and Jobs Act, 2021 (IIJA) Approved at the June 27, 2022 Clearinghouse Meeting. This is a follow up to provide assigned SAI Numbers.									
1	5464	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Funds: Existing Program Supplement - IIJA	$8,738,000	$873,800	$0	0.00	0.00	0.00
2	5465	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Funds: Emerging Contaminants - IIJA	$459,000	$0	$0	0.00	0.00	0.00
3	5526	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Existing Program Supplement - IIJA	$17,992,000	$1,799,200	$141,186	13.50	0.00	1.75
4	5527	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Emerging Contaminants - IIJA	$7,555,000	$0	$141,186	1.50	0.00	1.75
5	5528	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Funds: Lead Service Line Replacement - IIJA	$28,350,000	$0	$141,186	2.00	0.00	1.75
Continued									
1	5555	Executive, Criminal Justice, Criminal Justice Council	Family Violence Service and Prevention Act Grant	$844,189	$10,552	$200,495	0.36	0.09	0.00
2	5558	Executive, Criminal Justice, Criminal Justice Council	National Forensic Science Improvement Act - Coverdell	$293,954	$0	$0	0.10	0.00	0.00
3	5559	Department of State, Office of the Secretary, Administration	State Trade Expansion Program	$100,000	$33,333	$0	0.00	0.00	0.00
4	5391	Department of Health and Social Services, Social Services	Refugee Cash and Medical Assistance Program	$114,675	$0	$0	0.00	0.00	0.00
5	5426	Department of Health and Social Services, Social Services	Child Care Development Fund MATCHING	$5,179,330	$5,179,330	$0	0.00	0.00	0.00
6	5443	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title VII Elder Abuse Prevention	$23,832	$0	$0	0.00	0.00	0.00

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7	5444	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Nutrition Services Incentive Plan	$466,497	$0	$0	0.00	0.00	0.00
8	5450	Department of Health and Social Services, Social Services	Supplemental Nutritional Program Nutritional Education	$1,177,061	$0	$0	0.00	0.00	0.00
9	5507	Department of Health and Social Services, State Service Centers	Low-Income Home Energy Assistance Program (LIHEAP)	$15,000,000	$0	$0	3.02	0.00	0.00
10	5532	Department of Health and Social Services, State Service Centers	AmeriCorps State Formula Funds	$1,680,554	$0	$1,536,776	0.00	0.00	0.00
11	5535	Department of Health and Social Services, Social Services	Social Services Block Grant	$4,761,264	$0	$0	14.05	0.00	0.00
12	5537	Department of Health and Social Services, State Service Centers	Community Services Block Grant	$3,950,814	$0	$0	1.75	0.00	0.00
13	5557	Department of Health and Social Services, State Service Centers	Access & Visitation Program	$100,000	$11,111	$0	0.00	0.00	0.00
14	5566	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment & Training Administration	$318,694	$0	$0	0.00	0.00	0.00
15	5567	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment & Training Operations	$239,997	$239,997	$0	0.00	0.00	0.00
16	5568	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment & Training Participation Reimbursement	$46,647	$46,647	$0	0.00	0.00	0.00
17	5569	Department of Health and Social Services, Social Services	Supplemental Nutritional Assistance Program Electronic Benefits Administration - ARP COVID-19	$2,661,952	$0	$0	0.00	0.00	0.00
18	5572	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - ARP COVID-19	$995,821	$0	$0	0.00	0.00	0.00
19	5473	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Adoption Incentive Payment Program	$267,500	$0	$0	0.00	0.00	0.00
20	5487	Department of Services for Children, Youth and Their Families, Prevention and Behavioral Health Services, Prevention/Early Intervention	Delaware Child Psychiatry Access Program	$445,000	$89,258	$0	0.00	0.28	0.00
21	5525	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B Kinship Navigator Program	$200,000	$44,141	$0	0.00	0.00	0.00
22	5090 Amendment	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E Adoption Assistance	$2,000,000	$2,000,000	$0	0.00	0.00	0.00
23	5091 Amendment	Department of Services for Children, Youth and Their Families, Management Support Services, Office of the Secretary	Title IV-E Foster Care	$3,000,000	$3,000,000	$0	0.00	0.00	0.00
24	5228	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal and Energy	Coastal Zone Management Projects of Special Merit	$202,965	$0	$0	0.24	0.00	0.00
25	5463	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Fund	$5,681,000	$1,136,200	$0	0.00	0.00	0.00
26	5522	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	T2-11-T-5 Marine Mammal and Sea Turtle Stranding	$36,095	$19,436	$0	0.00	0.02	0.00
27	5524	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water Base State Revolving Fund	$7,008,000	$1,401,600	$141,186	12.35	0.00	1.75
28	5530	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Cooperating Technical Partnership Grant	$440,000	$0	$0	0.60	0.00	0.00
29	5534	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	National Dam Safety Program	$78,428	$0	$0	0.00	0.00	0.00
30	4337 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-84-R-3 Structure Oriented Fish Assessment Program	$177,150	$59,050	$0	0.03	0.26	0.00
31	5153 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-75-F-17 Tidal Freshwater Fisheries Management Program	$259,679	$86,561	$0	0.53	0.06	0.00
32	4574 Amendment	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Public Assistance DR-4526 COVID-19	$103,525,353	$0	$0	0.00	0.00	0.00

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33	5497	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(f) Motorcycle Safety Grant	$44,700	$0	$0	0.00	0.00	0.00
34	5499	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(h) Non-Motorized Incentive Grant	$212,555	$0	$0	0.00	0.00	0.00
35	5500	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(b) Occupant Protection Incentive Grant	$361,278	$0	$0	0.00	0.00	0.00
36	5503	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Instant Criminal Background Check System Act Record Improvement Program	$106,703	$0	$0	0.00	0.00	0.00
37	5504	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Criminal History Improvement Program	$701,310	$77,923	$0	0.00	0.00	0.00
38	5556	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Emergency Management Performance Grant	$3,755,425	$1,244,461	$2,510,964	19.60	9.15	10.75
39	5561	Department of Safety and Homeland Security, Office of the Secretary, Developmental Disabilities Council	Developmental Disabilities Council	$534,656	$20,000	$80,000	4.00	0.00	0.00
40	4471 Amendment	Department of Labor, Unemployment Insurance	Pandemic Unemployment Insurance CARES Act - COVID-19	$94,300	$0	$0	0.00	0.00	0.00
41	5455	Department of Labor, Employment and Training, Employment and Training Services	Workforce Innovation and Opportunity Act - Youth	$2,350,947	$0	$0	4.05	0.00	0.00
42	5457	Department of Labor, Employment and Training, Employment and Training Services	Workforce Innovation and Opportunity Act - Adult	$2,254,630	$0	$0	10.71	0.00	0.00
43	5459	Department of Labor, Employment and Training, Employment and Training Services	Workforce Innovation and Opportunity Act - Dislocated Worker	$2,792,814	$0	$0	12.34	0.00	0.00
44	5539	Department of Labor, Industrial Affairs, Occupational Safety and Health Administration/Bureau of Labor Statistics	Occupational Safety and Health Statistics	$83,200	$83,200	$0	1.00	1.00	0.00
45	5540	Department of Labor, Industrial Affairs, Occupational Safety and Health Administration/Bureau of Labor Statistics	Occupational Safety and Health Consultation	$599,982	$66,685	$0	5.50	0.50	0.00
46	5541	Department of Labor, Industrial Affairs, Anti-Discrimination	Equal Employment Opportunity Commission	$291,750	$0	$0	3.00	0.00	0.00
47	5564	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Vocational Rehabilitation Services	$12,076,795	$3,314,906	$0	71.50	0.00	0.00
48	5605	Department of Labor, Unemployment Insurance	Reemployment and Eligibility Assessment	$742,056	$0	$0	9.11	0.00	0.00
49	5296 Amendment	Department of Agriculture, Animal Health	Avian HPAI H5 Emergency Disease Response Activities	$6,591,012	$0	$0	0.00	0.00	0.00
50	5481	Delaware National Guard	Air National Guard Operations and Maintenance Agreement	$5,392,551	$596,571	$0	44.00	4.00	0.00
51	5482	Delaware National Guard	Army National Guard Environmental Resource Management Agreement	$628,881	$0	$0	4.00	0.00	0.00
52	5483	Delaware National Guard	Air National Guard Security Guard Agreement	$1,924,175	$0	$0	21.00	0.00	0.00
53	5484	Delaware National Guard	Army Guard Operations and Maintenance Agreement	$16,800,158	$4,662,957	$0	20.00	11.00	0.00
54	5508	Department of Education, Student Support	Child Nutrition State Administrative Expense	$1,209,696	$290,608	$0	3.95	2.50	0.00
55	5509	Department of Education, Student Support	National School Breakfast Program	$17,000,000	$0	$0	0.00	0.00	0.00
56	5510	Department of Education, Student Support	National School Lunch Program	$45,000,000	$487,127	$0	0.00	0.00	0.00
57	5511	Department of Education, Student Support	Special Milk Program	$4,000	$0	$0	0.00	0.00	0.00
58	5512	Department of Education, Student Support	Child and Adult Care Food Program	$18,975,500	$0	$0	2.00	0.00	0.00

59	5513	Department of Education, Student Support	Child and Adult Care Food Program Cash In Lieu	$937,106	$0	$0	0.00	0.00	0.00
60	5514	Department of Education, Student Support	Child and Adult Care Food Program Sponsor Admin	$500,000	$0	$0	0.00	0.00	0.00
61	5515	Department of Education, Student Support	Summer Food Service Program	$2,809,500	$0	$0	0.55	0.00	0.00
62	5516	Department of Education, Student Support	Fresh Fruit and Vegetables	$2,727,556	$0	$0	0.00	0.00	0.00
63	5517	Department of Education, Student Support	Equipment Assistance Grant	$73,813	$0	$0	0.00	0.00	0.00
64	5257 Amendment	Department of Education, Student Support	Supply Chain Assistance	$2,710,136	$0	$0	0.00	0.00	0.00
65	5400	Department of Health and Social Services, Substance Abuse and Mental Health Administration	Medicaid Administration - Title XIX Restated	$42,239,430	$22,739,066	$0	189.18	166.88	0.00
Higher Education									
1	5518	Delaware Technical Community College	Classic Upward Bound - Owens Campus	$1,799,140	$0	$0			
2	5523	Delaware Technical Community College	Classic Upward Bound - George Campus	$1,488,005	$0	$0			
3	2022-09-03-02	Delaware State University	Developing Value-Added, Legume-Based Protein Food Ingredients with Desired Nutritional and Techno-Functional Properties	$499,834	$0	$0			
4	2022-09-03-03	Delaware State University	Evaluate the Effect of Herbal Plant Extracts on Gut Microbiota and Anti-Proliferative Activity in Colorectal Cancer Cells	$4,990,973	$0	$0			
5	2022-09-03-04	Delaware State University	Transgenic Accumulation and In Situ Activation of Ligninolytic Peroxidases for Sustainable Production of Biofuels	$500,000	$0	$0			
6	2022-09-03-05	Delaware State University	Assessing Profiles of Carbon, Methane, Nitrous Oxide, and Isotopic Signatures in Soils in the Delmarva Region	$299,765	$0	$0			
7	2022-09-03-06	Delaware State University	Genetic Mapping and Improvement of Blueberries for High-Temperature Stress Tolerance	$299,998	$0	$0			
8	2022-09-03-07	Delaware State University	Integration of Sustainability in Textile Product Development and Consumption of Sustainable Textile Products.	$149,795	$0	$0			
9	2022-09-03-08	Delaware State University	Food Safety, Stress, and Sleep Training in Diverse Communities in the State of Delaware	$382,163	$0	$0			
10	2022-09-03-09	Delaware State University	Collaborative Proposal for Student Experiential Learning by Internships and Faculty Development Skills in Animal and Environmental Sciences	$59,184	$0	$0			
11	2022-09-03-10	Delaware State University	Title: Extend the Shelf Life of Strawberries by Focusing on Fruit Surfaces Exposed to Essential Oils	$59,994	$0	$0			
12	2022-09-03-11	Delaware State University	Providing Experiential Learning Opportunities and Extension Training in Aquaculture and Fisheries to Underserved and Underrepresented Student Communities from 1890 Land Grant Institutions	$153,552	$0	$0			
13	2022-09-03-12	Delaware State University	An Aquaponics Food Safety, Nutrition, and Sustainability Decision-Making Framework	$77,185	$0	$0			
14	2022-09-03-13	Delaware State University	A Multiple-Stage Cost Effective Smart-Farming of Engineered Microalgae for Simultaneous Production of High Value Molecules and Bioenergy	$299,762	$0	$0			
15	2022-09-03-14	Delaware State University	Increasing the Income Opportunities of Limited Resource Farms Through Developing and Marketing of Value Added Products	$238,774	$0	$0			
16	2022-09-03-15	Delaware State University	Utilizing UAV Technology and Machine Learning to Assess Sea Level Rise Impacts on Delaware's Tidal Marsh System	$100,000	$0	$0			
17	2022-09-03-16	Delaware State University	Identifying Underlying Effects in Transcriptomic, Epigenomic, and Metagenomic Changes Induced by Abiotic Stress in Common Bean (Phaseolus Vulgaris) on	$299,184	$0	$0			
18	2022-09-03-17	Delaware State University	Delaware Center for Neuroscience Research	$5,703,904	$0	$0			
19	2022-09-03-18	Delaware State University	Multidisciplinary Approach to Train Under-Represented Food and Agricultural Sciences Students in Data Science Application	$249,960	$0	$0			
20	2022-09-03-19	Delaware State University	Delaware State University Noyce Scholarship Program: Recruiting, Preparing, and Retaining Culturally Responsive Teachers Through Community Building	$1,199,659	$0	$0			
21	2022-09-03-20	Delaware State University	Scientists Motivation, Engagement, and Diversity in Technology Transfer Processes: A Mixed-Methods Approach Using Neuroscience Technology	$81,345	$0	$0			
22	2022-09-03-21	Delaware State University	Machine Learning for Analysis of Heterogeneous Multimodal Spectral Data	$799,415	$0	$0			
23	2022-09-03-22	Delaware State University	High-Speed Hyperspectral Imaging for Highly Multiplexed Immunofluorescence Imaging	$30,000	$0	$0			
24	2022-09-03-23	Delaware State University	DEC-CTR ACCEL Institutional Development Award (IDeA) Networks for Clinical and Translational Research (IDeA-CTR)	$1,965,397	$0	$0			
25	2022-09-03-24	Delaware State University	Stimulated Raman Method for Efficient Generation of Enhancer-Free Singlet Oxygen	$749,798	$0	$0			

26	2022-09-03-25	Delaware State University	Optimizing Sustainable Integrated Pest Management Practices for High Tunnel Crops	$135,960	$0	$0
27	2022-09-03-26	Delaware State University	EPSCoR Federal - NSF: Delaware Sustainability Science & Policy Hub for a Circular Economy	$5,699,230	$0	$0
28	2022-09-03-27	Delaware State University	Center for Neuromorphic Photonic Computing (NPC)	$1,997,178	$0	$0
29	2022-09-03-28	Delaware State University	CAREER: Microporous Organic Polymer Based Membranes: Atom Transfer Radical Polymerization (ATRP) Synthesis from Dual-Role Synthons and Application for Direct Carbon Dioxide Capture from Air	$236,703	$0	$0
30	2022-09-10-01	University of Delaware	STC CACTES (Center for Accelerating Convergent Transitions in Energy & Society)	$0	$0	$816,641
31	2022-09-10-02	University of Delaware	Evaluation of a Jugular Compression Device for Concussion Prevention Using Magnetic Resonance Imaging	$0	$0	$82,153
32	2022-09-10-03	University of Delaware	Partnership: Transcriptomic and Epigenetic Responses to Heat Stress in Chicken Primordial Germ Cells	$558,083	$0	$0
33	2022-09-10-04	University of Delaware	Exploring Cognitive and Foundational Processes Underlying Pre-Algebra Among Students With and Without Mathematics Learning Difficulties	$267,245	$0	$0
34	2022-09-10-05	University of Delaware	Empowering the Next Generation of Cancer Professionals: The Fox Chase Cancer Center-University of Delaware Partnership for Undergraduate Research and Career Development	$0	$0	$27,960
35	2022-09-10-06	University of Delaware	Center for Chemical Electrodecarbonization (C-FORCE)	$0	$0	$2,418,775
36	2022-09-10-07	University of Delaware	Certificate in Data Science & Analytics for JPMC Employees	$0	$0	$193,985
37	2022-09-10-08	University of Delaware	Enhancement of Working Memory Using Endogenous Hippocampal-Prefrontal Theta Synchrony	$1,250,000	$0	$0
38	2022-09-10-09	University of Delaware	Harnessing Adipose Adaptations to Prevent Endothelial Dysfunction in Obesity	$1,499,825	$0	$0
39	2022-09-10-10	University of Delaware	Identifying Intestinal Alterations in Amino Acids Transport Efficiency and Enteric Neuroendocrine Contribution in Early Weaned Pigs	$210,011	$0	$0
40	2022-09-10-11	University of Delaware	School Resource Officers and Police Officers in Pennsylvania Schools and Districts	$0	$0	$12,000
41	2022-09-10-12	University of Delaware	Collaborative Research: SaTC: CORE: Small: Secure and Privacy-Preserving Crowdsensing	$195,771	$0	$0
42	2022-09-10-13	University of Delaware	The Blue Edge of the Helium White Dwarf Instability Strip	$0	$0	$126,134
43	2022-09-10-14	University of Delaware	The Origins and Evolution of Helium Atmosphere White Dwarfs	$0	$0	$65,131
44	2022-09-10-15	University of Delaware	A Dynamic Approach to Predict Thermal Inactivation of Salmonella on Alfalfa and Mung Bean Seeds Using Temperature Vs. Time Data	$260,252	$0	$0
45	2022-09-10-16	University of Delaware	The Role of Exosomes in Marek's Disease Virus Pathogenesis and Immunity	$453,779	$0	$0
46	2022-09-10-17	University of Delaware	Determination of Timber Genus and Provenance by Machine Learning of Spectroscopic Signatures	$205,019	$0	$0
47	2022-09-10-18	University of Delaware	NSF I-Corps Hub: Northeast Region	$0	$0	$343,750
48	2022-09-10-19	University of Delaware	Collaborative Research: The Role of Wind and Waves in Mixing the Upper Ocean	$308,756	$0	$0
49	2022-09-10-20	University of Delaware	Imaging Receiver System Integration	$0	$0	$78,124
50	2022-09-10-21	University of Delaware	Central Networks, Peripheral Factors, and Individual Vulnerability to Postpartum Mood Disorder	$1,875,339	$0	$0
51	2022-09-10-22	University of Delaware	Low-Cost Composite Parts - Tailorable Feedstock and Forming	$3,583,049	$0	$0
52	2022-09-10-23	University of Delaware	IR-4 Northeast Region Minor Crop Pest Management 22-001 Foliar Feeding Beetle Efficacy - Flea Beetle	$0	$0	$12,500
53	2022-09-10-24	University of Delaware	Augmented Reality for Climate-Informed Food Resilience of DOD Installation and Surrounding Community Infrastructure	$0	$0	$16,875
54	2022-09-10-25	University of Delaware	RII Track-1: The Delaware Sustainability Science & Policy Hub for a Circular Economy	$16,119,930	$0	$0
55	2022-09-10-26	University of Delaware	Collaborative Proposal: Influence of Wind and Bottom Generated Turbulence on Air-Sea Gas Exchange in Shallow Water Environments	$45,304	$0	$0
56	2022-09-10-27	University of Delaware	NSF ITEST: Enhancing STEM Identity Through E-Mentoring Experiences	$0	$0	$16,549
57	2022-09-10-28	University of Delaware	National UTC: Rural Infrastructure Durability, Efficiency, and Adaptability (Rural-IDEA)	$0	$0	$192,409
58	2022-09-10-29	University of Delaware	Improving the Durability and Extending the Life of Transportation Infrastructure	$0	$0	$127,944
59	2022-09-10-30	University of Delaware	Coastal Ocean Processes of North-East Greenland	$418,326	$0	$0
60	2022-09-10-31	University of Delaware	Sustainable Mobility & Accessibility Regional Transportation Equity Research (SMARTER) Center	$0	$0	$117,903
61	2022-09-10-32	University of Delaware	Refining Side Scan Sonar as a Tool to Support Management of Asian Carp	$44,630	$0	$0
62	2022-09-10-33	University of Delaware	Effects of Tart Cherry Consumption on Cardiovascular and Sleep Health in Postmenopausal Women	$0	$0	$100,000
63	2022-09-10-34	University of Delaware	Early Academic Achievement and Intervention Response: Role of Executive Function	$0	$0	$1,797
64	2022-09-10-35	University of Delaware	Disaster Resilient Acute Care: Protecting Infrastructure from Changing Flooding Risk	$263,529	$0	$0

65	2022-09-10-36	University of Delaware	Fish-Finders for Stewardship: Training Volunteers to Use Side-Scan Sonar to Find and Remove Derelict Crab Pots from Delaware's Recreational Blue Crab Fishery	$130,058	$0	$0
66	2022-09-10-37	University of Delaware	Assist in Engaging Extension Systems Throughout the Northeast in Participation in and Contribution to the Efforts of the Cultivemos/FRSAN-NE	$0	$0	$29,931
67	2022-09-10-38	University of Delaware	Regional UTC for CyberSecure and Resilient Transportation Systems (CARTS)	$0	$0	$1,276,981
68	2022-09-10-39	University of Delaware	Conduit - A Midwestern Black Visual Arts Preservation Initiative	$0	$0	$5,000
69	2022-09-10-40	University of Delaware	NOAA NWS National Mesonet Program 2021	$0	$0	$96,215
70	2022-09-10-41	University of Delaware	Pre- and Post-Removal Monitoring of Resident and Diadromous Fishes in White Clay Creek, DE to Support the Short-Term Evaluation of Fish Passage Implementation	$0	$0	$160,791
71	2022-09-10-42	University of Delaware	National UTC: Rural Infrastructure Durability, Efficiency, and Adaptability (Rural-IDEA)	$0	$0	$170,243
72	2022-09-10-43	University of Delaware	The Role of Turbulent Coherent Structures on the Evolving Seabed	$248,984	$0	$0
73	2022-09-10-44	University of Delaware	Understanding the Sorting, Transport and Fate of RNA Cargo in Extracellular Vesicles at Single Molecule Resolution	$930,010	$0	$0
74	2022-09-10-45	University of Delaware	R5|SAFE University Transportation Center Tier 1 UTC	$0	$0	$165,132
75	2022-09-10-46	University of Delaware	TRIPARTITE: Dual-Function Engineered Biochar for Excess Soil Phosphorus Sorption with Subsequent Slow Release for Cost-Effective and Sustainable Crop Production	$0	$0	$228,330
76	2022-09-10-47	University of Delaware	Ronald E. McNair Post-Baccalaureate Achievement	$247,676	$0	$0
77	2022-09-10-48	University of Delaware	Advancing Healthy Lifestyles FY23	$0	$0	$13,393
78	2022-09-10-49	University of Delaware	Engineering Autotrophic Wax Ester Production in Anaerobic Phototrophs	$918,325	$0	$0
79	2022-09-10-50	University of Delaware	Identifying Adaptation Strategies to Increase Equitable Resilience in Coastal Communities to Compound Inundation	$271,766	$0	$0
80	2022-09-10-51	University of Delaware	MEPI-Student Leaders Program	$0	$0	$181,170
81	2022-09-10-52	University of Delaware	Collaborative Research: AGEP FC-PAM: Alliance for Relevant and Inclusive Sponsorship of Engineering Researchers (ARISE)	$0	$0	$127,103
82	2022-09-10-53	University of Delaware	Planning and Implementing Actionable Marine Plastics Prevention Strategies with Local Communities in Delaware	$101,733	$0	$0
83	2022-09-10-54	University of Delaware	Hillsborough County Public Schools Professional Development	$0	$0	$19,403
84	2022-09-10-55	University of Delaware	Collaborative Research: Elucidating the Mechanisms of Phosphate Oxygen Isotope Signatures Imprinted During Biomass Burning for Better Understanding the Post-Fire Phosphorus Cycling	$0	$0	$211,985
85	2022-09-10-56	University of Delaware	Novel Platform to Evaluate in Vitro and in Vivo Toxicity of Engineered Food Nanoparticles	$536,236	$0	$0
86	2022-09-10-57	University of Delaware	Partnership: Field Management and Post-Harvest Methods to Mitigate Toxic Inorganic and Organic Arsenic Species in Rice Grain	$649,660	$0	$0
87	2022-09-10-58	University of Delaware	Isolating the Effects of Fibrillation on the Transfer, Friction, and Adhesion of Polytetrafluoroethylene	$0	$0	$215,449
88	2022-09-10-59	University of Delaware	Mechanisms and Consequences of Reverse Transcription in HIV-1 Cores	$0	$0	$2,808
89	2022-09-10-60	University of Delaware	Poly-HEATLINE: Polymer HEAT Transfer by Learned Intermolecular Enhancement	$0	$0	$600,773
90	2022-09-10-61	University of Delaware	WTG: Diffusion of Research on Supporting Mathematics Achievement for Youth with Disabilities Through Twitter Translational Visual Abstracts	$0	$0	$53,265
91	2022-09-10-62	University of Delaware	Lattice-Matched InGaBiAs on InP for Extended Wavelength SWIR Detection	$4,500	$0	$0
92	2022-09-10-63	University of Delaware	Tier 1 University Transportation Center on Improving Rail Transportation Infrastructure Sustainability and Durability	$8,605,496	$0	$0
93	2022-09-10-64	University of Delaware	Small Business Administration Cooperative Agreement CY23	$705,462	$445,276	$0
94	2022-09-10-65	University of Delaware	Evaluation of the Delaware Plan to Reduce Unintended Pregnancy	$0	$0	$204,865
95	2022-09-10-66	University of Delaware	Characterization of Brain Mechanical Properties in Children with Autism, Using Magnetic Resonance Elastography, for Early Prediction of Clinically Relevant Functional Deficits	$1,249,995	$0	$0
96	2022-09-10-67	University of Delaware	Breakthrough Listen Activities: Third Triennium	$0	$0	$51,940
97	2022-09-10-68	University of Delaware	Alltech Silage Inoculant Test	$0	$0	$16,983
98	2022-09-10-69	University of Delaware	Evaluating the Effectiveness and Implementation of Prison-Based HIV Assisted Partner Notification in Indonesia	$0	$0	$205,528
99	2022-09-10-70	University of Delaware	SHARK - Aquatic Soft Robotic STEM Education Kit	$0	$0	$43,652
100	2022-09-10-71	University of Delaware	Multispectral Image Analysis for Hidden Target Detection	$0	$0	$93,751
101	2022-09-10-72	University of Delaware	Microrobots for Monitoring and Treating Sickle-Cell Induced Ischemia	$0	$0	$99,937
102	2022-09-10-73	University of Delaware	Summer Learning Analytics Training for Education Researchers (SLATER)	$0	$0	$30,166
103	2022-09-10-74	University of Delaware	Development of Next Generation Matrix Assisted Chondrocyte Implantation Using Human Chondrocyte Derived-Extracellular Matrix	$0	$0	$106,809
104	2022-09-10-75	University of Delaware	Bookworms Coaching & Professional Learning Support At NLELA, LES & LMS	$0	$0	$3,089
105	2022-09-10-76	University of Delaware	Super High-Energy Density Li-S Battery System for AUV Applications	$0	$0	$28,125

106	2022-09-10-77	University of Delaware	Design and Development of a Low-Cost Flexible Edge Architecture for Contactless Monitoring and Remote Care Software	$0	$0	$76,038
107	2022-09-10-78	University of Delaware	Smart Science Center for Frontiers in Mobility	$0	$0	$164,241
108	2022-09-10-79	University of Delaware	Preparing Elementary Mathematics Teachers for Culturally Responsive Teaching: Connections to Student and Teacher Outcomes	$692,781	$0	$0
109	2022-09-10-80	University of Delaware	Project Persist: Accommodations that Increase Self-Regulated Learning Catalyze the Postsecondary Persistence of Students with Learning Disabilities	$1,124,332	$0	$0
110	2022-09-10-81	University of Delaware	Mechanisms of Sexually Dimorphic Microglia Response to Neonatal Hypoxic Ischemia	$0	$0	$127,934
111	2022-09-10-82	University of Delaware	Farm Tax Education and Asset Protection	$0	$0	$216,676
112	2022-09-10-83	University of Delaware	Comprehensive District Improvement Initiative for the Kennett Consolidated School District	$0	$0	$55,859
113	2022-09-10-84	University of Delaware	Systems-Level Characterization of Pythium Pathogenesis, an Emerging Threat to Maize Production.	$524,932	$0	$0
114	2022-09-10-85	University of Delaware	Partnership: Calcium Phosphate Nanocomposite as a Precise, Intelligent Fertilizer to Increase Nutrient Use Efficiency and Crop Yield	$702,494	$0	$0
115	2022-09-10-86	University of Delaware	Acquisition of Goods and Services	$4,091	$0	$0
116	2022-09-10-87	University of Delaware	Collaborative Research: Expanding the Diversity of Iron Oxidation Mechanisms Via Genetics, Microscopy and `Omics in Leptothrix	$435,265	$0	$0
117	2022-09-10-88	University of Delaware	Open Access Spoken Language Data for Understanding Dementia	$0	$0	$129,880
118	2022-09-10-89	University of Delaware	4D Rheo-SANS Sample Environment for Soft Matter, Biology and Materials Processing	$0	$0	$7,812
119	2022-09-10-90	University of Delaware	UTC National Center of Education and Research for Transportation Cyber Security (CERTCS)	$0	$0	$194,109
120	2022-09-10-91	University of Delaware	The Role of Potassium Supplementation on Endothelial Function and Blood Pressure Reactivity on a High Sodium Diet	$0	$0	$143,177
121	2022-09-10-92	University of Delaware	Directed Assembly of Mesoscale Architectures in Additive Manufacturing	$0	$0	$736,360
122	2022-09-10-93	University of Delaware	Mode of Action and Target Site Toxicity Model Evaluation for PFAS and Hydraulic Fracking Compounds Journal Manuscript	$0	$0	$11,250
123	2022-09-10-94	University of Delaware	CPS: Small: Addressing Mixed Traffic Through Platooning of Vehicles	$328,867	$0	$0
124	2022-09-10-95	University of Delaware	A Virtual Secondary Transition Psychoeducation Program for Transition Goal Setting for Autistic High School Students and Their Caregivers - A Development and Feasibility Study	$0	$0	$265,707
125	2022-09-10-96	University of Delaware	Breakthrough Listen Activities: Third Triennium	$0	$0	$51,940
126	2022-09-10-97	University of Delaware	Anthropogenic Soil Memories: Human Legacies Shape Physical, Chemical and Microbial Composition of Riparian Soils	$599,605	$0	$0
127	2022-09-10-98	University of Delaware	Research Support Agreement, Student Support FY23	$19,591	$0	$0
128	2022-09-10-99	University of Delaware	Annual Research Support Agreement, FY23	$11,795	$0	$0
129	2022-09-11-01	University of Delaware	The Effect of Vitamin D on Nocturnal Blood Pressure and Sleep in Black Women	$0	$0	$65,106
130	2022-09-11-02	University of Delaware	Biomass Derived Upcycled Bio-Poly-Alpha-Olefin Lubricants	$0	$0	$52,500
131	2022-09-11-03	University of Delaware	Fabrication of NdFeB-Based Permanent Magnets	$0	$0	$36,128
132	2022-09-11-04	University of Delaware	Collaborative Research: CNS Core: Small: AI/ML-Powered Trustworthy Dynamic Spectrum Sharing	$133,273	$0	$0
133	2022-09-11-05	University of Delaware	Modeling Salivary Gland Fibrosis Using a Bioorthogonally Integrated Hydrogel Platform	$370,589	$0	$0
134	2022-09-11-06	University of Delaware	Cooperative Agreement with DOE/NNSA	$0	$0	$377,366
135	2022-09-11-07	University of Delaware	Boosting Efficacy of Oral Vaccine Candidates by Enabling Spore Display of Nitrated Antigens	$1,500,000	$0	$0
136	2022-09-11-08	University of Delaware	Network for in Vivo Education Research (NIER)	$0	$0	$130,040
137	2022-09-11-09	University of Delaware	Forests Among Managed Ecosystems: Monitoring, Remediation, and Restoration	$30,000	$0	$0
138	2022-09-11-10	University of Delaware	PARTNERSHIP: Post-Harvest Processed Parsnip: A Value-Added Functional Food for Lung Health	$0	$0	$105,300
139	2022-09-11-11	University of Delaware	Design and Prototype of Conformal Antenna Beam Forming System	$0	$0	$50,390
140	2022-09-11-12	University of Delaware	Advancing the Application of Nature-Based Living Shorelines in Delaware Through Policy, Workforce Development, and Restoration	$110,962	$0	$0
141	2022-09-11-13	University of Delaware	Redefining the Blame Game: Antimicrobial Resistance Sources and Risks from a One Health Perspective	$752,950	$0	$0
142	2022-09-11-14	University of Delaware	The Role of Angiotensin-(1-7) in Regulating Vascular Endothelial Function in Postmenopausal Women	$0	$0	$65,106
143	2022-09-11-15	University of Delaware	HQIM Math Coaching & Professional Learning	$0	$0	$122,645
144	2022-09-11-16	University of Delaware	4-H ALA Mini Grant FY23	$0	$0	$25,000
145	2022-09-11-17	University of Delaware	HHS DATI 22-23 Supplemental Mineo	$10,351	$0	$0
146	2022-09-11-18	University of Delaware	Mechanisms Via Which Traumatic Stress Leads to Opioid Abuse	$1,421,123	$0	$0
147	2022-09-11-19	University of Delaware	Supplement to Nemours Ferrato	$0	$0	$24,317
148	2022-09-11-20	University of Delaware	Collaborative Research: NSF-BSF: Analyzing the Hydraulic Functioning of Connected Onshore-Offshore Freshened Groundwater Reserves	$314,045	$0	$0
149	2022-09-11-21	University of Delaware	Project TWIST: Targeted Writing Intervention for Sentence Writing and Transcription	$1,496,072	$0	$0

150	2022-09-11-22	University of Delaware	Research Support Agreement, Amendment 1, 58-8010-2-005	$13,636	$0	$0
151	2022-09-11-23	University of Delaware	Magnonic Reservoir Computing with Reconfigurable Nanostructures	$0	$0	$75,001
152	2022-09-11-24	University of Delaware	To Provide Programming to Children and Families in Six Schools Specifically in the Areas of Health and Wellness.	$0	$0	$20,828
153	2022-09-11-25	University of Delaware	FCC NDBEDP National Deaf-Blind Equipment Distribution Program	$61,163	$0	$0
154	2022-09-11-26	University of Delaware	PEKK Crystallization Study	$10,838	$0	$0

*New Business requires the attendance of the Contact Person.
Available on the internet at http://budget.delaware.gov/clearinghouse/abm.shtml

Delaware State Clearinghouse Committee
October Agenda Revised
Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901
October 18, 2022 @ 10:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5621	Department of Technology and Information, Administration	Broadband Equity Access and Deployment (BEAD) Planning Fund - IIJA	$4,995,113	$0	$0	3.20	0.00	0.00
2	5322	Department of State, Delaware Public Archives	Archives Preservation	$11,779	$0	$0	0.02	0.00	0.00
3	5598	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Brownfields Revitalization - IIJA & Switch Fund	$457,867	$0	$0	0.50	0.00	0.00
4	5125 Amendment	Department of Safety and Homeland Security, State Police, Traffic	Motor Carrier Safety Assistance Program Amendment & Switch Fund	$583,171	-$115,427	$0	7.35	0.25	0.00
5	5448	Department of Safety and Homeland Security, State Bureau of Identification	Support for Adam Walsh Act Implementation	$225,000	$0	$0	0.00	0.00	0.00
6	5600	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazard Mitigation DR- 4627 Hurricane Ida	$870,310	$38,854	$57,847	0.50	0.00	0.00
7	5578	Department of Labor, Vocational Rehabilitation, Disability Determination Services	Disability Determination Service-SSA Continuation & Switch Fund	$6,426,502	$0	$0	53.00	0.00	0.00
8	5596	Department of Labor, Unemployment Insurance	Equity Grant	$2,283,000	$0	$0	2.35	0.00	0.00
9	2022-08-18-01	Department of Education, Operations Support	Clean School Bus Rebate Program - IIJA	$4,022,000	$0	$0	0.00	0.00	0.00
10	5591	Red Clay Consolidated School District	School Violence Prevention Program	$518,700	$166,250	$0	0.00	0.00	0.00
Continued									
1	5615	Executive, Office of Management and Budget, Food Distribution	Commodity Supplemental Food Program	$150,590	$0	$0	0.00	0.00	0.00
2	5611	Legal, Department of Justice	Medicaid Fraud Control Unit	$1,866,663	$622,222	$0	12.75	4.25	0.00
3	5283 Amendment	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment and Training - Administration	$111,689	$0	$0	0.00	0.00	0.00
4	5420	Department of Health and Social Services, Visually Impaired Services	Vocational Rehabilitation- Blind (Basic Support)	$2,034,668	$524,437	$0	16.00	2.72	0.00
5	5421	Department of Health and Social Services, Visually Impaired Services	Supported Employment - A	$21,000	$0	$0	0.00	0.00	0.00
6	5422	Department of Health and Social Services, Visually Impaired Services	Supported Employment - B	$21,000	$2,333	$0	0.00	0.00	0.00
7	5423	Department of Health and Social Services, Visually Impaired Services	Independent Living Services for Older Individual Who Are Blind	$225,000	$269,002	$0	1.75	3.00	0.00
8	5437	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III B Supportive Services	$1,997,424	$1,915,268	$0	12.25	12.75	0.00
9	5438	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III C-1 Congregate Meals	$2,523,094	$1,222,818	$0	4.25	7.50	0.00
10	5439	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III C-2 Home Delivered Meals	$1,425,708	$2,231,817	$0	0.00	0.00	0.00
11	5440	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III Disease Prevention and Health Promotion	$122,998	$0	$0	0.00	0.00	0.00

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12	5441	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III E National Family Caregivers Support	$1,056,577	$271,393	$0	3.00	0.00	0.00
13	5442	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title VII Ombudsman Activity	$98,431	$0	$0	0.00	0.00	0.00
14	5445	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Senior Community Service Employment Program	$1,708,065	$0	$193,621	0.75	0.00	0.00
15	5498	Department of Health and Social Services, Public Health, Community Health	State Systems Development Initiative	$500,000	$0	$0	0.00	0.00	0.00
16	5548	Department of Health and Social Services, Public Health, Community Health	Maternal and Child Health Services	$2,067,298	$12,449,846	$0	11.25	46.60	0.00
17	5562	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification - Medicare (FY23)	$1,731,722	$563,816	$0	11.90	4.00	0.00
18	5563	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification	$1,168,301	$0	$0	13.62	0.00	0.00
19	5580	Department of Health and Social Services, Public Health, Community Health	National Diabetes Prevention Program	$125,000	$0	$0	0.20	0.00	0.00
20	5588	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
21	5599	Department of Health and Social Services, Public Health, Community Health	Community Health Workers for COVID Response	$6,000,000	$0	$0	1.00	0.00	0.00
22	5622	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program State Exchange	$8,125	$0	$0	0.00	0.00	0.00
23	5625	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Access	$3,750	$0	$0	0.00	0.00	0.00
24	4998 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Riparian and Conservation Practice Partnership	$150,000	$37,560	$0	0.00	0.13	0.00
25	5579	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-43-E-30 Delaware Aquatic Resources Education Program	$1,293,300	$431,100	$0	1.35	0.00	0.00
26	5589	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Air Pollution Control	$3,570,598	$2,680,287	$0	10.20	5.55	0.00
27	5606	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Geospatial and Outreach Support for Shoreline & Waterway Management	$15,535	$732	$0	0.00	0.01	0.00
28	5587	Department of Safety and Homeland Security, State Police, Training	Bulletproof Vest Partnership Program	$172,228	$172,228	$0	0.00	0.00	0.00
29	5385 Amendment	Department of Labor, Employment and Training, Employment and Training Services	Work Opportunity Tax Credit	$72,779	$0	$0	0.75	0.00	0.00
30	5575	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Supported Employment	$258,000	$22,875	$0	0.00	0.00	0.00
31	5584	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Independent Living Services	$338,717	$37,635	$0	1.00	0.00	0.00
32	5603	Department of Labor, Unemployment Insurance	Unemployment Insurance Administration Grant	$10,600,000	$0	$0	137.00	0.00	0.00
33	5604	Department of Agriculture, Food Products Inspection	Cooperative Meat Inspection	$325,135	$242,697	$0	3.45	3.05	0.00
34	5607	Department of Agriculture, Food Products Inspection	Cross Utilization	$316,604	$0	$0	1.75	0.00	0.00
35	5608	Department of Agriculture, Forest Service	Chesapeake Bay Watershed Project	$27,000	$81	$26,919	0.00	0.00	0.00
36	5609	Department of Agriculture, Forest Service	Conservation Reserve Program	$22,714	$0	$0	0.00	0.00	0.00
37	5612	Department of Agriculture, Forest Service	State Fire Assistance	$134,786	$66,230	$68,556	0.37	0.85	0.00

38	5403 Amendment	Department of Education, Student Support	Prevention and Intervention Programs for Children	$143,490	$0	$0	0.00	0.00	0.00
39	5139 Amendment	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification - Medicare (FY22)	$813,000	$0	$0	0.00	0.00	0.00

Higher Education

1	5583	Delaware Technical Community College	CREATE Energy National Center	$358,458	$0	$0			
2	5592	Delaware Technical Community College	Upward Bound Math & Science Year 1 of 5 George	$2,129,165	$0	$0			
3	5520	Delaware Technical Community College	Owens Upward Bound Math & Science - 1st Allotment	$1,529,110	$0	$0			
4	2018-05-05-07 Amendment	Delaware State University	Delaware INBRE IV/DSU (Federal)	$1,121,411	$0	$0			
5	2022-10-08-01	Delaware State University	Acquisition of Goods and Services	$25,300	$0	$0			
6	2022-10-08-02	Delaware State University	Optimizing Photon-Induced Abiotic Stress Conditions to Reduce Malted Barley Processing Time and Improve Nutritional Quality	$149,991	$0	$0			
7	2022-10-08-03	Delaware State University	U.S. Embassy Panama Public Diplomacy Small Grants Program	$49,165	$0	$0			
8	2022-10-08-04	Delaware State University	Mid-Atlantic Manufacturing Regional Innovation Engine	$143,429	$0	$0			
9	2022-10-08-05	Delaware State University	NSF Engine Type – 1 Planning Grant	$29,200	$0	$0			
10	2022-10-08-07	Delaware State University	Agrivoltaic Systems for Diversified Agriculture: A Project to Increase Technical Understanding of Agrivoltaics and Develop Novel Outreach Strategies for Farms	$182,872	$0	$0			
11	2022-10-08-08	Delaware State University	Interdisciplinary Rehabilitation Research Center (IRRC) at a Historically-Black University	$7,541,079	$0	$0			
12	2022-10-08-09	Delaware State University	NSF Engines: TYPE-1: TENSEGRITY: The Greater Philadelphia Smart Communities=Safe Communities Initiative	$94,734	$0	$0			
13	2022-10-08-10	Delaware State University	Inclusive and Interdisciplinary Approach to Cellular and Molecular Biology at a HBCU	$445,702	$0	$0			
14	2022-10-08-11	Delaware State University	A Selection-Based Assay to Identify Novel Protein-RNA Interactions	$325,580	$0	$0			
15	2022-10-08-12	Delaware State University	Bridging the Educational Gap for Minority Students in Food and Agriculture Through Scholarship, Experiential Learning Opportunities, and Workforce Development	$250,000	$0	$0			
16	2022-10-08-13	Delaware State University	Developing a Delaware Valley Regional Biotechnology Innovation Engine (UD Engine)	$50,257	$0	$0			
17	2022-10-08-14	Delaware State University	The Culturally Sustaining Mathematics Education Project	$299,980	$0	$0			
18	2022-10-15-01	University of Delaware	NSF Engines: Type-1: Delaware Valley Regional Engine for Use-Inspired Sustainable Engineering (DEV-REUSE)	$668,456	$0	$0			
19	2022-10-15-02	University of Delaware	CIF: Small: Multidimensional Remaindering Theory and Applications	$256,444	$0	$0			
20	2022-10-15-03	University of Delaware	Extremal and Spectral Graph Theory	$0	$0	$64,633			
21	2022-10-15-04	University of Delaware	Advanced Remote Rehabilitation for Military Members After Orthopedic Trauma (ARMOR) of the Knee: A Randomized Controlled Trial	$2,002,527	$0	$0			
22	2022-10-15-05	University of Delaware	Research-Practice Partnership with the Hewitt School	$0	$0	$3,906			
23	2022-10-15-06	University of Delaware	Nancy Grace Roman CGI Precursor Science: Upper Limits on Exozodiacal Emission from Nearby Star Systems	$0	$0	$20,625			

24	2022-10-15-07	University of Delaware	Federal and State Technology Partnership (FAST)	$114,679	$0	$0
25	2022-10-15-08	University of Delaware	Efficient Manufacturing of Sustainable Bioplastics from CO2	$0	$0	$97,496
26	2022-10-15-09	University of Delaware	Coexistence of Bose Condensation and Pairing in Boson Mixtures	$712,488	$0	$0
27	2022-10-15-10	University of Delaware	Research Initiation: Facilitating Knowledge Transfer Within Engineering Curricula	$128,840	$0	$0
28	2022-10-15-11	University of Delaware	Towards Low Cost, Shelf Stable, and Orally Consumable Vaccines Using Synthetic Biology	$0	$0	$276,105
29	2022-10-15-12	University of Delaware	Quantifying Brainstem Function Associated with Long Latency Responses for the Study of Neuromotor Control and Impairment	$0	$0	$65,106
30	2022-10-15-13	University of Delaware	A Passive Gravity-Balancing Orthosis for Inconspicuous Self-Rehabilitation	$0	$0	$65,106
31	2022-10-15-14	University of Delaware	Modeling Recovery of Sepsis-Induced Cardiomyopathy	$0	$0	$65,106
32	2022-10-15-15	University of Delaware	Beyond Adoption: Theory and Empirics to Predict and Understand the Sustained Use of Cover Crops by Agricultural Producers	$0	$0	$103,531
33	2022-10-15-16	University of Delaware	The Mobile Toolbox for Monitoring Cognitive and Behavioral Function (MTB2)	$0	$0	$218,750
34	2022-10-15-17	University of Delaware	Quantification and Modeling of Perchlorate Impacts from Fireworks on Drinking Water Sources	$0	$0	$200,000
35	2022-10-15-18	University of Delaware	Mechanosignaling in Pediatric Brain Cancers	$0	$0	$16,916
36	2022-10-15-19	University of Delaware	Isoform-Specific Functions of Na, K-ATPase Beta-Subunits in Cerebellar Development	$0	$0	$16,916
37	2022-10-15-20	University of Delaware	Improving Access to Emergency Depopulation Training Through the Development and Implementation of a Mixed Reality Training Environment for the Execution of Foam-Based, Poultry Mass Depopulation Protocols and Design of a More Portable Foaming Unit	$349,789	$0	$0
38	2022-10-15-21	University of Delaware	Advancing Integrated Weed Management Research with Computer Vision Technology	$224,977	$0	$0
39	2022-10-15-22	University of Delaware	Contributions of Cells and ECM to Human Cardiac Tissue Viscoelasticity	$0	$0	$65,106
40	2022-10-15-23	University of Delaware	Evaluating the Function of the Reticular Formation in the Generation of a Stretch Reflex During Cortical Inhibition	$0	$0	$65,106
41	2022-10-15-24	University of Delaware	Effects of Belt Acceleration Symmetry and Postural Biofeedback on Propulsion Mechanics in Post-Stroke Individuals	$0	$0	$65,106
42	2022-10-15-25	University of Delaware	Consultation on V2G with Hyundai HATCI	$0	$0	$55,362
43	2022-10-15-26	University of Delaware	Drinking Water Salinity in a Hot-Dry Environment: Water Needs, Kidney Function, and Blood Pressure	$0	$0	$70,835
44	2022-10-15-27	University of Delaware	Plasmodesmal Targeting: Rules and Machinery	$1,058,141	$0	$0
45	2022-10-15-28	University of Delaware	Harnessing Deep Learning and High-Resolution Sea Ice Algorithms for Science-Informed Risk and Uncertainty Assessment in the Chukchi and Beaufort Seas: An Integrated Testbed Framework with Numerical Models and Observations	$5,271,315	$0	$0
46	2022-10-15-29	University of Delaware	Fast-Charging Lib Enabled by High-Capacity/-Power Oxyfluoride Cathodes, High-Voltage and Low-Resistance Electrolytes, and Structured Electrodes	$0	$0	$534,522
47	2022-10-15-30	University of Delaware	Clean Hydrogen by Electrochemical Methods	$19,456,328	$0	$0
48	2022-10-15-31	University of Delaware	Effect of Rye Shading on Corn Roots and Shoots in Traditional and Short Stature Corn	$233,500	$0	$0

49	2022-10-15-32	University of Delaware	Ir4 Northeast Region Minor Crop Pest Management Program Postemergence Broadcast Herbicides / Sweet Potato	$0	$0	$10,000
50	2022-10-15-33	University of Delaware	The Delaware Offshore Wind Training Pilot Program	$897,458	$0	$0
51	2022-10-15-34	University of Delaware	Everyday Adaptation to Climate Change in Border Regions	$0	$0	$8,997
52	2022-10-15-35	University of Delaware	RSA Acquisition of Goods and Services	$64,989	$0	$0
53	2022-10-15-36	University of Delaware	Evaluation of Harvest Weed Seed Control Tactics for Sustainable Integration into US Cropping Systems	$0	$0	$69,825
54	2022-10-15-37	University of Delaware	Racial Disparities in Pain Care: A Comprehensive Integration of Patient- and Provider-Level Mechanisms with Dyadic Communication Processes Using a Mixed-Methods Research Design	$0	$0	$474,143
55	2022-10-15-38	University of Delaware	Bridge Durability Solutions Study Phase 2	$0	$0	$79,799
56	2022-10-15-39	University of Delaware	Dissecting the Role of Kir2.1 in Obesity-Associated Ventricular Arrhythmia	$2,499,995	$0	$0
57	2022-10-15-40	University of Delaware	Generative Models Beyond GANs: Hypergraph GANs	$0	$0	$65,256
58	2022-10-15-41	University of Delaware	Acquisition of Orbitrap Quadrupole Mass Spectrometer for Advancing Cross-Disciplinary Research in Agro-Environment and Food Safety	$500,000	$0	$0
59	2022-10-15-42	University of Delaware	Evaluation of the Effectiveness of Biocontrol Agents Against Emerald Ash Borer Infesting Ash and White Fringe Tree in Urban Forests	$25,000	$0	$0
60	2022-10-15-43	University of Delaware	The Delaware Early Literacy Research-Practice Partnership- A Catalyst for Educational Equality	$0	$0	$568,155
61	2022-10-15-44	University of Delaware	NSF Center for Integrated Catalysis	$0	$0	$100,001
62	2022-10-15-45	University of Delaware	Expanding Delawareans' Access to Novel Interventions for Alzheimer's Disease	$0	$0	$50,000
63	2022-10-15-46	University of Delaware	Evaluation of FHB Management Strategies in DE following the MGMT Protocol	$19,448	$0	$0
64	2022-10-15-47	University of Delaware	Acquisition of Goods and Services	$12,727	$0	$0
65	2022-10-15-48	University of Delaware	Forests Among Managed Ecosystems: Monitoring, Remediation, and Restoration	$60,000	$0	$0
66	2022-10-15-49	University of Delaware	Biomolecular Interaction Technologies Fiscal Year 2023	$0	$0	$90,000
67	2022-10-15-50	University of Delaware	Graduate Professional Skills (GPS) Program	$0	$0	$15,000
68	2022-10-15-51	University of Delaware	Understanding and Addressing the Impact of COVID-19 Educational Disruptions on Critical Areas of Students' Mathematics Learning	$0	$0	$256,151
69	2022-10-15-52	University of Delaware	Conference: The Middle Atlantic Bight Physical Oceanography and Meteorology (MABPOM) Meeting 2022	$6,000	$0	$0
70	2022-10-15-53	University of Delaware	Mechanistic Modeling and Identification of Complex Biomolecular Networks in Individual Cells	$227,024	$0	$0
71	2022-10-15-54	University of Delaware	Exploring Cognitive and Foundational Processes Underlying Pre-Algebra Among Students With and Without Mathematics Learning Difficulties	$870,646	$0	$0
72	2022-10-15-55	University of Delaware	Generalized Fluctuation Test for Deciphering Phenotypic Switching Within Cell Populations	$1,250,001	$0	$0
73	2022-10-15-56	University of Delaware	University Of Delaware Prison Research & Innovation Network	$0	$0	$98,555
74	2022-10-15-57	University of Delaware	Smith-Lever Act Capacity Grant FY2023	$1,429,981	$0	$0

75	2022-10-15-58	University of Delaware	Tailoring Hydroponic Factors to Controlled-Environment Production of Emerging Food Crops	$895,553	$0	$0
76	2022-10-15-59	University of Delaware	University of Delaware Expanded Food and Nutrition Education Program (EFNEP) FY2023	$313,297	$0	$0
77	2022-10-15-60	University of Delaware	Appendix A: University of Delaware Statement of Work: Protocol for Third Party Evaluation of SWECO Vibratory Separator System @ Kilby Dairy, Colora, Maryland	$0	$0	$20,440
78	2022-10-15-61	University of Delaware	Collaborative Research: Assessing the Impact of Multisensory Environmental Cues on Hurricane Risk Perception and Protective Intention Using Neurophysiological Responses	$169,818	$0	$0
79	2022-10-15-62	University of Delaware	Modernizing Fertilizer Recommendations in the Northeastern Region: The Fertilizer Recommendation Support Tool (FRST)	$0	$0	$37,899
80	2022-10-15-63	University of Delaware	Delaware Clinical and Translational Research ACCEL Program	$16,262,179	$0	$0
81	2022-10-15-64	University of Delaware	Conducting Polymers and Gels for Bioelectronic Sensing and Stimulation	$1,250,000	$0	$0
82	2022-10-15-65	University of Delaware	Validating Learning Analytics with Student Voice by Aligning Traces, Text, and Interview Data About Self-Regulated STEM Learning	$0	$0	$140,310
83	2022-10-15-66	University of Delaware	Evaluation of the Regional Educational Laboratories, Supplemental Proposal	$0	$0	$53,965
84	2022-10-15-67	University of Delaware	Biological Control of Invasive Insects, Such as Brown Marmorated Stink Bug, Spotted Lanternfly and Spotted Wing Drosophila	$3,520	$0	$0
85	2022-10-15-68	University of Delaware	Acquisition of Goods and Services	$13,636	$0	$0
86	2022-10-15-69	University of Delaware	Research Support Agreement, Student Support FY23	$10,305	$0	$0
87	2022-10-15-70	University of Delaware	Research Support Agreement, Student Support FY23, 011	$18,182	$0	$0
88	2022-10-15-71	University of Delaware	Thermoradiative Energy Harvesting	$0	$0	$12,500
89	2022-10-15-72	University of Delaware	Next Generation MRI for Virtual Mechanical Testing of Bone Fracture Healing	$0	$0	$93,612
90	2022-10-15-73	University of Delaware	Dissecting and Employing Heterologous Cell Fusions in Synthetic Microbial Consortia	$1,128,036	$0	$0
91	2022-10-15-74	University of Delaware	Transgelin Regulates Lens Epithelial Contractile Properties During Posterior Capsular Opacification	$0	$0	$2,387
92	2022-10-15-75	University of Delaware	Regulation of Erythroid Heme Synthesis by CLPX	$0	$0	$322,059
93	2022-10-15-76	University of Delaware	Novel Dual-Modality Treatment of Breast Cancer-Induced Osteolysis	$200,000	$0	$0
94	2022-10-15-77	University of Delaware	Innovative Conservation Using Sterile Giant Miscanthus Perennial Grass Buffer Strips for Nutrient Control, Carbon Capture, and on-Farm Production of Poultry Bedding	$1,956,956	$0	$0
95	2022-10-15-78	University of Delaware	Behavior of Monoclonal Antibody and Non-Ionic Surfactant at a Hydrophobic Interface by Small-Angle Neutron Scattering (SANS) and Neutron Reflectivity (NR)	$0	$0	$126,542
96	2022-10-15-79	University of Delaware	NSF Engines: Type-1: NorthEast Future Connectivity Innovation Engine (NEFCIE)	$0	$0	$56,876
97	2022-10-15-80	University of Delaware	Thermoradiatives for Improved Power on Satellites (TIPS)	$0	$0	$345,023
98	2022-10-15-81	University of Delaware	Combinatorially Structured Diffusions	$136,024	$0	$0
99	2022-10-15-82	University of Delaware	New Catalytic Methods to Prepare Axially Chiral Compounds	$492,449	$0	$0
100	2022-10-15-83	University of Delaware	Lentiviral Gene Therapy for the Treatment of GALNS Enzyme Deficiency	$0	$0	$911

101	2022-10-15-84	University of Delaware	Structural and Functional Analysis of Wntless in Wingless Secretion	$0	$0	$647
102	2022-10-15-85	University of Delaware	JPMC FSAN PHD Student Tuition and Stipend Support Funds	$0	$0	$1,522,200
103	2022-10-15-86	University of Delaware	Clinical Interpretation and Application of Patient-Reported Communicative Participation Outcomes After Stroke, and the Influence of Psychosocial Factors	$1,448,451	$0	$0
104	2022-10-15-87	University of Delaware	Modular Armored Structural Helo (MASH) Flooring	$0	$0	$25,001
105	2022-10-15-88	University of Delaware	Improving Computer Science Instruction Through Automated Feedback to Teachers-A Case Study on Teachers' Uptake of Student Ideas	$0	$0	$140,734
106	2022-10-15-89	University of Delaware	Collaborative Proposal: TARGET by Example: Developing a Socio-Cognitive Approach to Enhance Fractions Learning Experiences	$1,112,181	$0	$0
107	2022-10-15-90	University of Delaware	Patient Experience Academy (PEA) Training	$185,472	$0	$0
108	2022-10-15-91	University of Delaware	Design & Development of OPEN for STEM: A Professional Learning Program to Promote Positive Emotions, Beliefs, and Effectiveness in Beginning Elementary STEM Educators	$1,876,276	$0	$0
109	2022-10-15-92	University of Delaware	A Graphon-Based Approach to Approximate Seriation	$114,795	$0	$0
110	2022-10-15-93	University of Delaware	Umpolung Methods with Electron Rich Aromatic Systems: Aniline-Derived Reactive Intermediates in Synthesis	$328,841	$0	$0
111	2022-10-15-94	University of Delaware	Synthesis and Application of m-DAP Containing Peptidoglycan Fragments	$0	$0	$1,000
112	2022-10-15-95	University of Delaware	Examining Circadian Misalignment as a Determinant of Cardiovascular Disease Risk in Free-Living, Non-Shift Working Adults	$2,635,154	$0	$0
113	2022-10-15-96	University of Delaware	Clinical and Biomechanical Implications of Graft Site Tendon Recovery After Anterior Cruciate Ligament Reconstruction Using Bone-Patellar Tendon-Bone Autograft	$275,000	$0	$0
114	2022-10-15-97	University of Delaware	Role of BMP2 in Bone Formation and Homeostasis	$1,549,700	$0	$0
115	2022-10-15-98	University of Delaware	NCCPD De-Escalation Evaluation	$0	$0	$41,992
116	2022-10-15-99	University of Delaware	Quantum Many Particle Phenomena in Multi-Layer Two Dimensional Systems	$217,931	$0	$0
117	2022-10-16-01	University of Delaware	Quantum Many Particle Phenomena in Multi-Layer Two Dimensional Systems	$217,931	$0	$0
118	2022-10-16-02	University of Delaware	Supporting Student Regulation and Motivation (SSRAM) Through a Learning Analytic Dashboard	$1,064,473	$0	$0
119	2022-10-16-03	University of Delaware	Building Diversity in Art Conservation: Practical Education and Training	$0	$0	$500,000
120	2022-10-16-04	University of Delaware	Investigating the Role of Hsp90beta in Murine Heart	$0	$0	$893
121	2022-10-16-05	University of Delaware	Identification of Metabolite Cap Interactome	$0	$0	$1,062
122	2022-10-16-06	University of Delaware	Using Machine Learning to Predict Retinal and Brain Damage in Sickle Cell Disease	$0	$0	$624,998
123	2022-10-16-07	University of Delaware	Service Patterns in the Post-Pandemic Era and Their Impact on Developmental/Health Outcomes of Children with Autism	$1,276,070	$0	$0
124	2022-10-16-08	University of Delaware	Multi-Generational Susceptibility to Postpartum Anhedonia	$275,000	$0	$0
125	2022-10-16-09	University of Delaware	Accelerated Mobility and Cognitive Impairment in Older Adults with Repetitive Neurotrauma Exposure	$250,000	$0	$0
126	2022-10-16-10	University of Delaware	Data-Driven Modeling of the Vibrational Spectroscopy of Ion Channels	$875,000	$0	$0

127	2022-10-16-11	University of Delaware	Mitochondrial Metabolism and Reactive Oxygen Species in Health and Disease	$1,250,000	$0	$0
128	2022-10-16-12	University of Delaware	Novel Model of Tendinosis to Investigate Multiscale Structure and Function of Tendon After Overload	$716	$0	$0
129	2022-10-16-13	University of Delaware	NSF Engines: Type-1: The Delmarva Earth-to-Space Observation Network	$0	$0	$129,874
130	2022-10-16-14	University of Delaware	Sandia National Labs Plechac	$0	$0	$34,375
131	2022-10-16-15	University of Delaware	Collaborative Research: Novel Techniques to Visualize and Probe Plant-Microbe Interactions for a Sustainable Future	$271,996	$0	$0
132	2022-10-16-16	University of Delaware	CSR: Small: Coordinating Non-Volatile Memory and Solid-State Storage for Efficient Multi-level Checkpoint and Restart	$317,493	$0	$0
133	2022-10-16-17	University of Delaware	Investigating the Role of Piezos in Lens Injury Responses	$0	$0	$2,049
134	2022-10-16-18	University of Delaware	Enzymatic Activity and Structure of NudC Protein	$0	$0	$1,326
135	2022-10-16-19	University of Delaware	Developing High-Throughput Methods to Characterize the Iron Oxidizing Physiology of Leptothrix Cholodnii Sp-6	$0	$0	$690
136	2022-10-16-20	University of Delaware	Parkinson's Disease Telehealth Clinic 2023	$0	$0	$17,000
137	2022-10-16-21	University of Delaware	Gait Automaticity, Musculoskeletal Injury Risk, and Sex Differences in Children with Concussion: A Longitudinal Study	$0	$0	$70,208
138	2022-10-16-22	University of Delaware	PARTNERSHIP: Advancing Production of Hybrid Triticeae Crops Via Conditional Male Sterility	$0	$0	$105,014
139	2022-10-16-23	University of Delaware	Sustaining Oak Forests and Biodiversity in Cities with Urban- and Climate-Adapted Conservation Practices	$637,290	$0	$0
140	2022-10-16-24	University of Delaware	Hard Microbiology: Building Synthetic Microbial Communities in Concrete	$699,750	$0	$0
141	2022-10-16-25	University of Delaware	Machine Learning in Investigating Understudied Protein Kinase Interactions	$0	$0	$1,000
142	2022-10-16-26	University of Delaware	Epigenetic Dysregulation of Muscle in Spastic Cerebral Palsy	$0	$0	$617,097
143	2022-10-16-27	University of Delaware	Photonic Curing of Printed Copper Contacts for High Efficiency and Low Cost Silicon Heterojunctions	$0	$0	$249,766
144	2022-10-16-28	University of Delaware	Stochastic Resonance Stimulation to Improve Somatosensation and Dynamic Balance in Cerebral Palsy	$1,774,900	$0	$0
145	2022-10-16-29	University of Delaware	Elucidating the Role of Hsp90ß in Organelle Specific-Cell Death Pathways	$1,250,000	$0	$0
146	2022-10-16-30	University of Delaware	Building a Model of the Molecular Interactions of Fertilization and Egg Activation in C. Elegans	$1,250,000	$0	$0
147	2022-10-16-31	University of Delaware	Functional Consequences of Transcription Initiation with Canonical and Non-Canonical Nucleotides	$1,250,000	$0	$0
148	2022-10-16-32	University of Delaware	Characterization of Hydrogel-Induced Dormant States in Breast Cancer	$900,000	$0	$0
149	2022-10-16-33	University of Delaware	Low-Cost and High Efficiency CMOS Compatible Gan High Electron Mobility Transistor Technology for Wireless Power Charging at the Hospitals	$0	$0	$150,000
150	2022-10-16-34	University of Delaware	Accelerate Improvements in Hurricane Intensity Forecasting Through Underwater Glider Field Campaigns	$690,948	$0	$0
151	2022-10-16-35	University of Delaware	CNS Core: Small: Enabling Real-time, Scalable and Secure Collaborative Intelligence on the Edge	$0	$0	$176,906
152	2022-10-16-36	University of Delaware	Bellevue/Samsha Planet Youth Coalition Spf-Pfs Evaluation Team	$0	$0	$25,447

153	2022-10-16-37	University of Delaware	Enhancing Efficiency of Field Sample Submissions to High Throughput Laboratories	$202,131	$0	$0
154	2022-10-16-38	University of Delaware	Increasing Awareness of Climate Impacts and Adaptations in Delaware and the Northeast	$28,000	$0	$0
155	2022-10-16-39	University of Delaware	Middle School Students as Citizen Scientists	$333,682	$0	$0
156	2022-10-16-40	University of Delaware	Development of the STEM Learning Lab at the University of Delaware: A Model Center for Supporting Pre-Service and Practicing Elementary STEM Teacher Effectiveness	$3,047,962	$0	$0
157	2022-10-16-41	University of Delaware	Sympathetic Consequences of the Menopausal Transition	$275,000	$0	$0
158	2022-10-16-42	University of Delaware	Reshaping Future of Physical Therapy for Parkinson's Disease Through the Metaverse	$0	$0	$150,000
159	2022-10-16-43	University of Delaware	Developing Upper Extremity VCA-Specific Patient-Reported Measures of Functional and Social	$624,935	$0	$0
160	2022-10-16-44	University of Delaware	Microrobot-Guided Microbial Surveillance in Poultry Production	$210,011	$0	$0
161	2022-10-16-45	University of Delaware	Optical Fiber-Based Phosphine Sensor for Storage Containers	$0	$0	$30,062
162	2022-10-16-46	University of Delaware	Closed Loop Control of Microrobots in 3D for Cellular Patterning	$0	$0	$972
163	2022-10-16-47	University of Delaware	Effects of Tart Cherry Consumption on Cardiovascular and Sleep Health in Postmenopausal Women	$0	$0	$105,000
164	2022-10-16-48	University of Delaware	Poetry as Activism	$0	$0	$228,000

Revised 10/13/2022

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 15, 2022 @ 10:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5623	Department of State, Delaware Commission of Veterans Affairs	Bear Columbarium Expansion	$2,537,600	$253,760	$0	0.00	0.00	0.00
2	5628	Department of Health and Social Services, Division of Public Health, Community Health	Technology for a Better WIC Experience Communications, Data, and Metrics Grant - ARP COVID-19	$350,000	$0	$0	0.00	0.00	0.00
3	5657	Department of Labor, Unemployment Insurance	Pandemic Unemployment Assistance (PUA) Administration	$632,000	$0	$0	0.00	0.00	0.00
4	5658	Department of Labor, Unemployment Insurance	Pandemic Emergency Unemployment Compensation (PEUC) Administration	$162,000	$0	$0	0.00	0.00	0.00
5	5659	Department of Labor, Unemployment Insurance	Federal Pandemic Unemployment Compensation (FPUC) Administration	$700,000	$0	$0	0.00	0.00	0.00
Continued									
1	5610	Executive, Office of Management and Budget, Food Distribution	The Emergency Food Assistance Program (TEFAP)	$193,792	$131,522	$0	1.40	2.70	0.00
2	5614	Executive, Office of Management and Budget, Food Distribution	State Administrative Expense Funds	$129,006	$0	$0	0.60	0.00	0.00
3	5639	Executive, Criminal Justice, Criminal Justice Council	Title II Formula Block Grant	$605,937	$60,593	$0	0.60	0.69	0.00
4	5668 now 5713	Executive, Criminal Justice, Criminal Justice Council	Project Safe Neighborhoods	$92,013	$0	$0	0.07	0.00	0.00
5	5669 now 5712	Executive, Criminal Justice, Criminal Justice Council	Edward Byrne Justice Assistance Grant	$1,006,656	$0	$0	1.13	0.00	0.00
6	5656	Legal, Department of Justice	Internet Crimes Against Children	$338,990	$0	$0	2.00	0.00	0.00
7	5650	Department of State, Public Service Commission, Regulation and Licensing	Pipeline Safety One Call	$9,350	$0	$0	0.00	0.00	0.00
8	5655	Department of State, Human and Civil Rights	Fair Housing Assistance Program	$174,945	$0	$0	1.00	0.00	0.00
9	5571	Department of Health and Social Services, Administration, Office of the Secretary	State Loan Repayment Program	$675,000	$0	$0	0.00	0.00	0.00
10	5616	Department of Health and Social Services, Substance Abuse and Mental Health	Substance Abuse Prevention & Treatment Services	$7,155,296	$0	$0	3.20	0.00	0.00
11	5240 Amendment	Department of Health and Social Services, Social Services	Refugee Social Service Program	$530,992	$0	$0	0.00	0.00	0.00
12	5256 Amendment	Department of Health and Social Services, Social Services	Supplemental Nutritional Assistance Program Pandemic Electronic Benefits Administration - ARP COVID-19	$1,154,762	$0	$0	0.00	0.00	0.00
13	5647	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Marine Debris Removal	$1,312,927	$0	$0	0.00	0.00	0.00
14	5651	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Water	Underground Injection Control	$48,000	$36,880	$0	0.51	0.33	0.00
15	5641	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Non-Profit Security Grant Program	$2,400,905	$0	$0	0.00	0.00	0.00
16	5648	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Homeland Security Grant Program	$4,847,500	$0	$0	2.75	0.00	0.00
17	5652	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazard Materials Emergency Planning	$559,445	$139,861	$0	0.09	0.57	0.00

*New Business requires the attendance of the Contact Person.
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18	5624	Department of Labor, Employment and Training, Employment and Training Services	Trade Adjustment Assistance	$229,093	$0	$0	1.50	0.00	0.00
19	5631 now 5730	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey - Fire Ant Survey	$9,400	$0	$0	0.05	0.00	0.00
20	5633 now 5731	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey	$30,000	$0	$0	0.20	0.00	0.00
21	5636 now 5727	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey - Infrastructure	$71,649	$0	$0	0.75	0.00	0.00
22	5661 now 5728	Department of Agriculture, Forest Service	Volunteer Fire Assistance	$36,867	$15,260	$21,607	0.00	0.14	0.00
23	5511 Amendment	Department of Education, Student Support	Special Milk Program	$3,740	$0	$0	0.00	0.00	0.00

Higher Education

1	4653 Amendment	Delaware Technical Community College	Strengthening Institutions Programs	$1,438,078	$0	$0			
2	2022-11-12-01	University of Delaware	Probabilistic Modeling for Professional Purposes - Understanding How to Support the Next Generation of Professional Modelers	$283,917	$0	$0			
3	2022-11-12-02	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	$323,853			
4	2022-11-12-03	University of Delaware	Tunable and Dynamic Materials to Exploit and Assess Spatiotemporal Mechanobiology	$1,250,001	$0	$0			
5	2022-11-12-04	University of Delaware	Torsional Resonator System for the Simultaneous Measurement of Density and Viscosity at High Temperature	$0	$0	$78,125			
6	2022-11-12-05	University of Delaware	Development of a U.S. East Coast Community Ocean Forecast System	$0	$0	$93,751			
7	2022-11-12-06	University of Delaware	Collaborative Research: Integrating Organismal Traits and Oceanographic Features into the Design of Conservation Measures for Oceanic Predators	$557,868	$0	$0			
8	2022-11-12-07	University of Delaware	Particle Acceleration and Diffusion in Plasma Turbulence: Efficiencies of Localized Structures	$379,916	$0	$0			
9	2022-11-12-08	University of Delaware	Earth System Modeling Techniques, Strategies, Collaboration and Coordination	$136,650	$0	$0			
10	2022-11-12-09	University of Delaware	Discovery of Molecular Probes and Therapeutic Leads, Administrative Supplement on HPV	$200,000	$0	$0			
11	2022-11-12-10	University of Delaware	Collagen-Targeting Approaches to Improve the Intra-Articular Delivery and Controlled Release of Disease-Modifying Osteoarthritis Drugs	$2,401,143	$0	$0			
12	2022-11-12-11	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	$6,265			
13	2022-11-12-12	University of Delaware	Is Mk 34 the Most Massive Binary Star System? A Dynamic Modeling Effort Afforded by Chandra	$0	$0	$56,250			
14	2022-11-12-13	University of Delaware	Mechanistic Studies of the Oxygen Reduction Reaction in Tailored Catalyst-Ionic Liquids Systems Towards Electrochemical Oxidative Desulfurization & Denitrogenation	$0	$0	$110,000			
15	2022-11-12-14	University of Delaware	Predicting Percolation in District Parklands: Soil Amendment Techniques and Subsoiling on Compacted Urban Land in DC	$0	$0	$46,870			
16	2022-11-12-15	University of Delaware	Scaling Up Climate Smart Agriculture Tools, Resources, and Extension Outreach for the Northeast	$0	$0	$56,553			
17	2022-11-12-16	University of Delaware	John Dickinson Writings Project	$121,581	$0	$0			
18	2022-11-12-17	University of Delaware	Tele-PD: A Novel Telerehabilitation System for Individuals with Parkinson's Disease Using Collaborative MR and Biofeedback	$0	$0	$27,601			
19	2022-11-12-18	University of Delaware	Lab-Scale Additive Manufacturing of Coal-Derived Carbon-Metal Composites for High-Performance Heat Sink	$813,084	$0	$0			

20	2022-11-12-19	University of Delaware	Priority 1: Borehole Geophysical Logs: Data Preservation and Web Access + Preserving Photographs of Delaware Boundary Monuments + ReSciColl Collections Metadata Update	$68,978	$0	$0
21	2022-11-12-20	University of Delaware	Funds to Support the Young Coastal Scientists and Engineers Conference Americas	$3,959	$0	$0
22	2022-11-12-21	University of Delaware	A Critical, Ecological Perspective on Wallace Foundation Research Production, Diffusion, and Use	$0	$0	$601,177
23	2022-11-12-22	University of Delaware	The Role of Oxytocin in Offspring Obesity After Cesarean Delivery	$306,802	$0	$0
24	2022-11-12-23	University of Delaware	Management Research on Stink Bugs Coordinated in the Atlantic, Mid-South, Southern and North Central Regions	$0	$0	$78,014
25	2022-11-12-24	University of Delaware	Collaborative Research: Characterizing Ecosystem Drivers of Top-Predator Trophodynamics to Predict the Future of Pelagic Food-Webs	$403,958	$0	$0
26	2022-11-12-25	University of Delaware	Role of SLC Transporters in BCG Immunotherapy	$0	$0	$40,000
27	2022-11-12-26	University of Delaware	Investigating Antecedents of the Adolescent Mental Health Crisis: The Explanatory Role of Executive Function, Allostatic Load, and Social Media	$293,419	$0	$0
28	2022-11-12-27	University of Delaware	Cornerstone West CDC 1 PADE 22/23 Partner Organization	$0	$0	$24,000
29	2022-11-12-28	University of Delaware	First State Squash PADE 22/23 Partner Organization	$0	$0	$16,500
30	2022-11-12-29	University of Delaware	Characterizing Web 3 Risks and Opportunities	$0	$0	$123,484
31	2022-11-12-30	University of Delaware	Toward Copper as a Potential Mainstream Metallization in Si PV by the Development and Characterization of Homo-, Polysilicon- and Hetero-Junction Silicon Solar Cell Structures with Screen-Printed Copper Paste	$0	$0	$83,254
32	2022-11-12-31	University of Delaware	AccelNet-Implementation: Compute-Driven BIOdiversity Discovery Network of the Americas (C-BIODNA)	$1,739,374	$0	$0
33	2022-11-12-32	University of Delaware	University of Delaware Leadership in Civic Engagement	$0	$0	$200,327
34	2022-11-12-33	University of Delaware	Closure of Collisionless Dissipation by Tracing the Flow of Energy	$468,467	$0	$0
35	2022-11-12-34	University of Delaware	Effect of Weight-bearing and Range of Motion on Repaired Meniscus Mechanics	$0	$0	$13,040
36	2022-11-12-35	University of Delaware	Measuring Workplace Inclusion for Autistic Employees and the Connections to Mental Health	$177,554	$0	$0
37	2022-11-12-36	University of Delaware	Detecting Epigenetic Signatures to Prevent Avoidable Racial Inequities in TNBC (DESPARIT).	$279,552	$0	$0
38	2022-11-12-37	University of Delaware	CCHS Sims-Mourtada Amendment 17A	$0	$0	$13,703
39	2022-11-12-38	University of Delaware	NHERI Computational Modeling and Simulation Center (SimCenter)	$0	$0	$26,333
40	2022-11-12-39	University of Delaware	4H Programming in Ncc, 4H, Rt9 and Knollwood for FY2024	$0	$0	$84,000
41	2022-11-12-40	University of Delaware	Digital Authoritarianism in Africa - African Legacy or Chinese Strategy	$0	$0	$7,500
42	2022-11-12-41	University of Delaware	Computer Vision-Enabled Monitoring of Phorid and Sciarid Flies on Mushroom Farms	$0	$0	$159,788
43	2022-11-12-42	University of Delaware	Microrobot-Guided Targeting of Age-Related Reproductive Physiology	$400,000	$0	$0
44	2022-11-12-43	University of Delaware	Strengthening Mid-Atlantic Infrastructure, Data Products and Services	$1,095,698	$0	$0
45	2022-11-12-44	University of Delaware	Advancing Healthy Lifestyles FY23	$0	$0	$56,105

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46	2022-11-12-45	University of Delaware	Regional Land Use Designs for Climate Resilience Over the 21st Century	$0	$0	$231,448
47	2022-11-12-46	University of Delaware	Matching Scratch Paper to Word Problems: A Fast and Accurate Visual Inspection Algorithm	$0	$0	$109,089
48	2022-11-12-47	University of Delaware	Adaptive Integrated Photonic Metalens Imager	$306,219	$0	$0
49	2022-11-12-48	University of Delaware	ADAPTATION: Re-Envisioning Inclusive and Sustainable Excellence (RISE): Advancing Women and Underrepresented Minorities in STEM at Old Dominion University	$0	$0	$93,680
50	2022-11-12-49	University of Delaware	Localized Biofactor Delivery from Mechano-Active Scaffolds to Promote Annulus Fibrosus Repair	$0	$0	$161,240
51	2022-11-12-50	University of Delaware	Deep Prognosis for EV Batteries	$0	$0	$149,415
52	2022-11-12-51	University of Delaware	Resveratrol for the Prevention of Bone Loss in Postmenopausal Women with Osteopenia	$200,000	$0	$0
53	2022-11-12-52	University of Delaware	Nuvve Research Year 7 Funding	$0	$0	$348,974
54	2022-11-12-53	University of Delaware	Growth and Angiogenesis in Lymph Nodes -- Biomathematical Insights into Inflammation	$365,393	$0	$0
55	2022-11-12-54	University of Delaware	Dementiabank: An Open Access Language Database to Understand the Progression of Dementia	$0	$0	$1,286,447
56	2022-11-12-55	University of Delaware	Robust Multi-Sensor Odometry, Localization, and Calibration	$0	$0	$0
57	2022-11-12-56	University of Delaware	Spatiotemporal Dynamic Materials to Assess Point-of-Origin Mechanobiology	$310,627	$0	$0
58	2022-11-12-57	University of Delaware	Understanding the Role of Turbulence and Diffusion in the Acceleration and Transport of Solar Energetic Particles	$0	$0	$130,739
59	2022-11-12-58	University of Delaware	Neural Contributions to Prefrontal-Hippocampal Synchrony	$0	$0	$6,000
60	2022-11-12-59	University of Delaware	National Early Care and Education Workforce Center	$0	$0	$722,543
61	2022-11-12-60	University of Delaware	Office of Education - Student Support Services Program - 2022-2023	$323,569	$0	$0
62	2022-11-12-61	University of Delaware	Preceptorship Experience for Andrew Pechstein in the Delaware ACTIVE Lab	$0	$0	$1,000
63	2022-11-12-62	University of Delaware	The Role of Individual Factors on Recovery from Achilles Tendinopathy with a Comprehensive Exercise Program	$0	$0	$1,000
64	2022-11-12-63	University of Delaware	Brandywine Shad 2020 Phase 3	$0	$0	$120,057
65	2022-11-12-64	University of Delaware	Humphrey Fellows for Short-Term English Training	$0	$0	$308,827
66	2022-11-12-65	University of Delaware	Enhancing the Treatment of Acute Myeloid Leukemia Through Biomimetic Nanocarrier Delivery of Calicheamicin	$275,000	$0	$0
67	2022-11-12-66	University of Delaware	Testing of Intelligent Fertilizer for Improved Soybean Yield and Reduced Leaching of Phosphorus	$0	$0	$99,583
68	2022-11-12-67	University of Delaware	Bio-Orthogonal in-Vivo Diels Alder Chemistry	$0	$0	$33,154
69	2022-11-12-68	University of Delaware	Exploring the High-Energy and Time-Domain Universe with an All-Sky Rapid Transient Optical Observatory	$0	$0	$147,970
70	2022-11-12-69	University of Delaware	Advanced Passivation and Contact Approaches for CdZnTe Solar Cells	$236,461	$0	$0
71	2022-11-12-70	University of Delaware	New Sb2S3-Based Back Contacts for High Performance CdTe Solar Cells	$241,640	$0	$0

72	2022-11-12-71	University of Delaware	Ventilated Rodent Caging for the University of Delaware Life Science Research Facility	$339,510	$0	$0
73	2022-11-12-72	University of Delaware	Single-Cell Transcriptomic Approaches to Elucidate Mechanisms of Heat Tolerance in Layer Hens	$180,000	$0	$0
74	2022-11-12-73	University of Delaware	Investigating Metabolic Implications of Reproductive Tract Microbiome in Layer Hens and Broiler Breeders	$180,000	$0	$0
75	2022-11-12-74	University of Delaware	Development of a Prototype Smart Hy-Rail Wheel	$0	$0	$62,489
76	2022-11-12-75	University of Delaware	Osteocyte Perilacunar/Canalicular Remodeling (PLR) in Maternal Skeleton Adaptation	$0	$0	$611,157
77	2022-11-12-76	University of Delaware	Investigation of CdTe Defect Passivation by Gas Phase Reactions	$241,110	$0	$0
78	2022-11-12-77	University of Delaware	Study of the U.S. Institutes for Young Women Leaders	$0	$0	$190,841
79	2022-11-12-78	University of Delaware	Extension Collaboration on Immunization Teaching and Engagement	$0	$0	$8,992
80	2022-11-12-79	University of Delaware	Introduction of Immune Tolerance to Cas9 Protein in MPS IVA Mice	$0	$0	$148,945
81	2022-11-12-80	University of Delaware	USDA NIFA Mcintire Stennis 23	$106,987	$0	$0
82	2022-11-12-81	University of Delaware	Collaborative Research: Top-Down Vs. Bottom-Up: Deciphering the Subantarctic South Pacific Ocean's Role in Pleistocene Climate Evolution with IODP Expedition 383 Sediments	$290,857	$0	$0
83	2022-11-12-82	University of Delaware	Collaborative Research: Direct Imaging and Videographic Characterization of Complex Polymeric Nanomaterials and Their Dynamics in Solution	$111,386	$0	$0
84	2022-11-12-83	University of Delaware	Cell-Derived Carriers for HIV Drug Delivery to the CNS and Lymphoid Tissues	$3,610,703	$0	$0
85	2022-11-12-84	University of Delaware	Armor Interferometric Sensor (AIS)	$0	$0	$37,500
86	2022-11-12-85	University of Delaware	University of Delaware Renewable Resources Extension Act FY23	$46,449	$0	$0
87	2022-11-12-86	University of Delaware	Digital Authoritarianism in Africa: African Legacy or Chinese Strategy?	$0	$0	$12,000
88	2022-11-12-87	University of Delaware	Collaborative Research: SCH: Human-in-the-Loop Architecture of Agile Robotic Prostheses for Real-World Mobility Over Dynamic Terrains	$273,282	$0	$0
89	2022-11-12-88	University of Delaware	Collaborative Research: Thermochemistry and Chemical Kinetics of Halide-Driven Crystal Structure Control of Manganese and Lanthanide Chalcogenide Nanocrystals	$280,972	$0	$0
90	2022-11-12-89	University of Delaware	Connecting Present and Future Disparities: Environmental Impacts at the Intersection of Compound Flood Hazards and the Oil and Gas Industry	$0	$0	$113,682
91	2022-11-12-90	University of Delaware	Collaborative Research: CAS: Synergy of Surface and Crystal Chemistries on the Reactivity of Hydroxyapatite with Gases and Waters	$226,256	$0	$0
92	2022-11-12-91	University of Delaware	Collaborative Research: NeTS: Medium: Enabling Delay-Critical Collaborative Inference for Wireless Vehicular Networks	$199,289	$0	$0
93	2022-11-12-92	University of Delaware	Collaborative Research: CSR: Small: Exploring the Next-Gen Computing Platform for Multi-Domain Autonomous Vehicle Intelligence	$196,225	$0	$0
94	2022-11-12-93	University of Delaware	Fatigability and Biomechanical Mechanisms of Increased Fall Risk in People with Knee Osteoarthritis	$275,000	$0	$0
95	2022-11-12-94	University of Delaware	Bioprinting Functional Cartilage Grafts with Zonal Characteristics	$0	$0	$40,000
96	2022-11-12-95	University of Delaware	Strengthening Mid-Atlantic Infrastructure, Data Products and Services	$1,488,698	$0	$0
97	2022-11-12-96	University of Delaware	USDA Hatch Regular Keeler 23	$1,185,770	$0	$0

98	2022-11-12-97	University of Delaware	Animal Health and Disease Research Program FY23	$20,415	$0	$0
99	2022-11-12-98	University of Delaware	COVID-19, Vaccinations and School/Community Resources: Children's Longitudinal Health and Education Outcomes Using Linked Administrative Data	$0	$0	$105,647
100	2022-11-12-99	University of Delaware	Geometric Analysis of Convex Sets Via Three Lenses	$309,759	$0	$0
101	2022-11-13-01	University of Delaware	Collaborative Research: Enhancing Connected and Automated Vehicles by Recognizing Human Risk Preferences	$258,006	$0	$0
102	2022-11-13-02	University of Delaware	Corn Planting Timing Effects on Yield, Herbivory, and Nutrient Uptake	$0	$0	$9,654
103	2022-11-13-03	University of Delaware	STEAM (Science, Technology, Engineering, Art, Mathematics) Day by Project Brain Light	$0	$0	$997
104	2022-11-13-04	University of Delaware	GROW: A National Response to the Herbicide-Resistant Weed Epidemic	$246,586	$0	$0
105	2022-11-13-05	University of Delaware	USDA Hatch Multistate FY23	$537,548	$0	$0
106	2022-11-13-06	University of Delaware	The Effect of Frontal Activity Asymmetries on Effort Intensity	$0	$0	$45,031
107	2022-11-13-07	University of Delaware	Effects of Increasing Corn Tissue Boron and Sulfur Concentrations on Nitrogen and Yield (3rd Year)	$0	$0	$9,635
108	2022-11-13-08	University of Delaware	Evaluating Reduced Atrazine Rates for Weed Control in Corn	$0	$0	$12,923
109	2022-11-13-09	University of Delaware	Improving K Fertilizer Recommendations for Corn on the Delmarva Peninsula	$0	$0	$7,489
110	2022-11-13-10	University of Delaware	Filling a Major Gap in Care with Telehealth PT for Underrepresented Minorities with Knee OA: A Pilot Feasibility Study	$400,000	$0	$0
111	2022-11-13-11	University of Delaware	School-Based Mental Health Promotion in the First State: Building Capacity with Multi-Tiered Systems of Support	$4,314,553	$0	$0
112	2021-11-6-14 Amendment	Delaware State University	Agricultural Extension at 1890 Land Grant Institutions (Cooperative Extension)	$4,165,570	$0	$0
113	2022-11-05-01	Delaware State University	Partnership for Analysis of Ground-Based and Satellite Data for Water Management in Vulnerable Coastal Regions	$1,498,836	$0	$0
114	2022-11-05-02	Delaware State University	FY 2023 RREA Project (Renewable Resources Extension Program Abstract)	$13,500	$0	$0
115	2022-11-05-03	Delaware State University	FY23 McIntire Stennis: Development of Genetic and Genomic Resources in Sugar Maple (Acer Saccharum Marshall) Using Next Generation Sequencing Technologies	$142,650	$0	$0
116	2022-11-05-04	Delaware State University	Excellence in Research – DOP-2,DAT-1 and TRP-4 Interaction in Mediating Dopaminergic Synaptic Homeostasis in C. Elegans	$641,190	$0	$0
117	2022-11-05-06	Delaware State University	Addressing Student Insecurities	$899,987	$0	$0
118	2022-11-05-07	Delaware State University	The Postsecondary Student Success Program at Delaware State	$979,070	$0	$0
119	2022-11-05-08	Delaware State University	Excellence in Research- High-Resolution Spatiotemporal Measurements of Dissolved Trace Gases and Sulfur Isotopes Using AI-driven Hollow-core Fiber Sensing	$501,825	$0	$0
120	2022-11-05-09	Delaware State University	Excellence in Research: Soft Nanostructure Enhanced Antibody-Antigen Complexes in Point-of-care Testing	$349,933	$0	$0
121	2022-11-05-10	Delaware State University	Scaling Climate Smart Agriculture Tools, Resources, and Extension	$300,000	$0	$0
122	2022-11-05-11	Delaware State University	Electrochemical Reductive Grafting of Gold-Aryl Films from Aryldiazonium Gold(III) Salts	$570,428	$0	$0
123	2022-11-05-12	Delaware State University	Eliminating Senescent Glia as a Therapeutic Approach for Parkinson’s Disease	$1,606,502	$0	$0

124	2022-11-05-13	Delaware State University	Excellence in Research: Molecular Engineering for Advancing Organic Solar Cells (OSCs)	$450,008	$0	$0
125	2022-11-05-14	Delaware State University	TiO2/Metal Oxide@Metal-Organic Framework (TiO2/MO@MOF) Composites: Solvent-Free Synthesis and Enhanced Photocatalytic Hydrogen Evolution	$391,441	$0	$0
126	2022-11-05-15	Delaware State University	Increase the Supply of Trained Degree Recipients in the STEM Disciplines with Readiness for the Workforce - Phase II	$100,000	$0	$0
127	2022-11-05-16	Delaware State University	Rebooting the Northeast Aquaculture Extension Network: A Skills Training and Mentorship Program for Extension Professionals	$4,650	$0	$0
128	2022-11-05-17	Delaware State University	Assessing Exposure Pathways and Ecological Health Impacts of Per and Polyfluoroalkyl Substances in Shellfish	$41,377	$0	$0

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Delaware State Clearinghouse Committee
December Agenda
Meeting to be Held Virtually - Anchor Location 411 Legislative Ave., Legislative Hall, Joint Finance Committee Meeting Room, Dover, DE 19901
December 20, 2022 @ 10:00am

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	5654	Executive, Criminal Justice, Criminal Justice Council	Enhancing Juvenile Indigent Defense	$400,000	$0	$0	0.17	0.00	0.00
2	5676	Executive, Criminal Justice, Criminal Justice Council	Community Courts	$600,000	$200,000	$0	0.16	0.69	0.00
3	5679	Department of State, Division of Small Business, Delaware Economic Development Authority	State Small Business Credit Initiative - ARP COVID-19	$60,973,103	$0	$607,901,840	0.00	0.00	0.00
4	5683	Department of State, Division of Small Business, Delaware Economic Development Authority	State Small Business Credit Initiative Technical Assistance- ARP COVID-19	$724,423	$0	$0	0.00	0.00	0.00
5	5688	Department of Services for Children, Youth, and Their Families, Family Services, Intake/Investigation	Child Abuse Prevention and Treatment Act - ARP COVID-19	$276,098	$0	$0	0.00	0.00	0.00
6	2022-10-26-01	Department of Natural Resources and Environmental Control, Office of Natural Resources, Parks and Recreation	Invasive Species Management	$0	$0	$250,000	0.00	0.00	0.00
Continued									
1	5634	Executive, Criminal Justice, Criminal Justice Council	Services Training Officers Prosecutors (STOP) Violence Against Women Act Formula Grant	$918,986	$148,462	$100,579	2.48	1.01	0.00
2	5635	Executive, Criminal Justice, Criminal Justice Council	Sexual Assault Services Program	$544,185	$0	$0	0.20	0.00	0.00
3	5662	Executive, Criminal Justice, Statistical Analysis Centers	State Justice Statistics Program for Statistical Analysis Centers	$75,000	$0	$0	0.90	0.00	0.00
4	5678	Executive, Criminal Justice, Criminal Justice Council	Postconviction Testing of DNA Evidence	$550,000	$0	$0	0.10	0.00	0.00
5	5630	Department of Health and Social Services, Public Health, Community Health	Advancing Retail Program Standards Conformance through Inspection Equipment	$2,000	$0	$0	0.00	0.00	0.00
6	5670	Department of Health and Social Services, Public Health, Community Health	Integrated HIV/AIDS - Prevention	$1,471,943	$0	$0	3.50	0.00	0.00
7	5671	Department of Health and Social Services, Public Health, Community Health	Integrated HIV/AIDS Core Surveillance	$445,270	$0	$0	3.25	0.00	0.00
8	5673	Department of Health and Social Services, Public Health, Community Health	Delaware Public Water System Supervision	$588,000	$388,593	$0	7.50	5.90	0.00
9	5680	Department of Health and Social Services, State Service Centers	Training & Technical Assistance Commission Investment	$149,278	$0	$0	0.00	0.00	0.00
10	5601	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's Aquatic Invasive Species Program	$182,400	$60,800	$0	1.01	0.73	0.00
11	5684	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Survey of Sport Fish of Delaware Bay	$358,284	$119,389	$0	0.20	0.14	0.00
12	5645	Department of Labor, Employment Training, Employment and Training Services	Foreign Labor Certification	$78,102	$0	$0	1.00	0.00	0.00
13	5690	Department of Agriculture, Administration	Specialty Crop Block Grant	$348,807	$0	$0	0.00	0.00	0.00
Higher Education									
1	5594	Delaware Technical Community College	Upward Bound	$2,006,085	$0	$0			
2	2022-12-03-01	University of Delaware	NSFGEO-NERC: From Moving Atoms to Plate Boundary Formation	$79,528	$0	$0			

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3	2022-12-03-02	University of Delaware	Mediators and Moderators of Prenatal Environmental Exposures and Child Neurodevelopment: DNA Methylation, Prenatal Diet, and Cognitive Stimulation Study (MEND)	$0	$0	$69,641
4	2022-12-03-03	University of Delaware	Natural Product Inspired Cancer Therapeutics	$1,250,000	$0	$0
5	2022-12-03-04	University of Delaware	Collaborative Research: SCH: Learning Geo-Social Determinants to Reduce Cardiovascular Health Disparities	$0	$0	$59,911
6	2022-12-03-05	University of Delaware	CY2023 NSF SHIP OPS Support	$250,000	$0	$0
7	2022-12-03-06	University of Delaware	Roles and Interplay of the Multiple Processes Underlying Exploratory Sensorimotor Behavior	$1,715,296	$0	$0
8	2022-12-03-08	University of Delaware	Collaborative Research: Understanding the Fluid Dynamics of Bio-Inspired Propulsion Through Fin Morphology	$202,198	$0	$0
9	2022-12-03-09	University of Delaware	Harvard University 2023-24 Loeb Classical Library Foundation Fellowship	$0	$0	$40,000
10	2022-12-03-10	University of Delaware	Mechanisms and Moderating Conditions for the Role of Media Use in Mild Cognitive Impairment Disparities	$308,742	$0	$0
11	2022-12-03-11	University of Delaware	SCC-IRG Track 2: A Socially-Aware Autonomous Mobile Robot Navigation System for Last-Mile Deliveries on Sidewalks	$0	$0	$195,700
12	2022-12-03-12	University of Delaware	GROW: A National Response to the Herbicide-Resistant Weed Epidemic	$246,586	$0	$0
13	2022-12-03-13	University of Delaware	NCLIM-Northeast U.S. Climate Integrated Modeling Initiative to Meet Ocean Decision Challenges	$0	$0	$57,846
14	2022-12-03-14	University of Delaware	Conference: Mid-Scale RI-EW: Discussing the Need for a Full-Scale Wave Flume (USA Flume) for National Research Priorities on Coastal Resilience and Adaptation	$35,456	$0	$0
15	2022-12-03-15	University of Delaware	SCH: Automating Goal-Based and Just-in-Time Health Coaching with Personalized, Context-Aware Dialogue and Multi-Modal Data Sensing, Collection, and Analysis on Commercial Hardware	$782,486	$0	$0
16	2022-12-03-16	University of Delaware	Delaware AT Champion	$0	$0	$9,250
17	2022-12-03-17	University of Delaware	Climate Smart Extension Scholars of Coastal States with Climate Challenges and Disasters	$0	$0	$991,261
18	2022-12-03-18	University of Delaware	Every Datapoint Counts: Atmosphere-Aided Flare Studies in the Rubin Era	$175,032	$0	$0
19	2022-12-03-19	University of Delaware	Multifunctional Zero-Standby Power Sensing and Reconfigurable Photonic Integrated Circuits	$521,953	$0	$0
20	2022-12-03-20	University of Delaware	Mechanistic Approaches to Aggregation Rates at High Concentrations	$0	$0	$9,792
21	2022-12-03-21	University of Delaware	Semi-Analytic Determination of the Effective Permittivity of Composite Materials, with Applications to Image Processing and Optimal Design	$214,681	$0	$0
22	2022-12-03-22	University of Delaware	JPMC PHD Program Faculty Fellows Support Funds	$0	$0	$1,598,782
23	2022-12-03-23	University of Delaware	Partial Yr2 - Investigating Munitions Mobility at a Riverine Munitions Response Site (MRS) Using a Rapidly-Deployable Monitoring System	$18,750	$0	$0
24	2022-12-03-24	University of Delaware	DISES: Future-Proofing Water Resources Through Land Management in Intensive Agricultural Systems	$1,432,072	$0	$0
25	2022-12-03-25	University of Delaware	Collaborative Project: Optimized Frequency-Domain Analysis for Astronomical Time Series	$440,230	$0	$0
26	2022-12-03-26	University of Delaware	The Inverse Backscattering Problem and the Inverse Fixed Angle Scattering Problem	$82,727	$0	$0
27	2022-12-03-27	University of Delaware	Concentrated Solar-Powered Carbon Membrane Reactor for Decarbonized Propylene and Hydrogen Production	$1,745,909	$0	$0
28	2022-12-03-28	University of Delaware	Collaborative Research: CPS: Medium: Physics-Model-Based Neural Networks Redesign for CPS Learning and Control	$0	$0	$131,398

29	2022-12-03-29	University of Delaware	Collaborative Proposal: Development and Analysis of a Rain-on-Snow Precipitation Event Database: Improved Understanding of Global Forcings Through Synoptic Weather Typing	$56,372	$0	$0
30	2022-12-03-30	University of Delaware	DSFAS-CIN: PhenoGAMs: Containerized Generalized Additive Phenology Models for Entomology Extension	$816,691	$0	$0
31	2022-12-03-31	University of Delaware	Perceptions of Psychedelic Drugs in a Diverse Sample of Adults	$0	$0	$3,000
32	2022-12-03-32	University of Delaware	Hamiltonian Formalism in Wave Turbulence Problems	$208,660	$0	$0
33	2022-12-03-33	University of Delaware	School Choice Policy Research Center: A National Research Partnership to Improve School Choice for Disadvantaged Students	$0	$0	$213,683
34	2022-12-03-34	University of Delaware	Autonomous Platform for Remote Use of Colorimetric Chemical Sensors	$0	$0	$6,250
35	2022-12-03-35	University of Delaware	Identifying and Culturing Slug Parasitic Nematodes in Maryland	$0	$0	$10,808
36	2022-12-03-36	University of Delaware	Broiler Chicken Health Challenge Trials	$0	$0	$34,400
37	2022-12-03-37	University of Delaware	Elementary Teachers Learning to Leverage Students' Out-of-School Mathematical Context	$0	$0	$49,413
38	2022-12-03-38	University of Delaware	NSF-BSF: Development of High-Precision Atomic Methods & Dark Matter Searches	$257,470	$0	$0
39	2022-12-03-39	University of Delaware	Semantic Aware State Estimation on Monocular AR Devices	$0	$0	$105,628
40	2022-12-03-40	University of Delaware	Stockman Family Foundation Grant Program	$0	$0	$250,000
41	2022-12-03-41	University of Delaware	SHARK - Aquatic Soft Robotic STEM Education Kit	$0	$0	$418,000
42	2022-12-03-42	University of Delaware	Toward Mitigating Software Supply Chain Attacks	$0	$0	$60,000
43	2022-12-03-43	University of Delaware	Bone Metastasis Initiation from CcRCC (Clear Cell Renal Cell Carcinoma) Interactions in the Bone Microenvironment	$0	$0	$199,997
44	2022-12-03-44	University of Delaware	Sea Grant Fundamentals 2: Providing Mid-Atlantic Sea Grant Professionals with Additional Learning and Networking	$9,032	$0	$0
45	2022-12-03-45	University of Delaware	CRCNS US-French Research Proposal: Integrated Neuroimaging and Optimization Framework for Studying the Neural Control of Force, Impedance, and Feedback Responses	$760,001	$0	$0
46	2022-12-03-46	University of Delaware	HHS DATI FY2023 Delaware Assistive Technology Initiative	$412,204	$0	$0
47	2022-12-03-47	University of Delaware	Building a Community of Intellectual Humility and Discourse in Higher Education	$0	$0	$265,949
48	2022-12-03-48	University of Delaware	A-006: Development of Characterization Techniques to Determine Key Composite Material Properties for the LS-DYNA Composite Damage Model MAT213	$65,255	$0	$0
49	2022-12-03-49	University of Delaware	Elucidating the Mechanisms and Effects of Resistance to Cell Death Under Anchorage Independence to Control Metastasis	$0	$0	$149,980
50	2022-12-03-50	University of Delaware	Easter Seals Delaware and Maryland's Eastern Shore PADE 22/23 Partner Organization	$0	$0	$24,000
51	2022-12-03-51	University of Delaware	Continued Support for ASLO Communication Workshops in Spain	$23,081	$0	$0
52	2022-12-03-52	University of Delaware	Westside Family Healthcare Inc PADE 22/23 Partner Organization	$0	$0	$189,000
53	2022-12-03-53	University of Delaware	Utilizing Unactivated Alkyl Amines in Cross-Electrophile Coupling Reactions	$50,635	$0	$0
54	2022-12-03-54	University of Delaware	Solid-Phase and Chemoenzymatic Synthesis of Mature Peptidoglycan for Innate Immune Signaling	$101,156	$0	$0

55	2022-12-03-55	University of Delaware	Christiana Care Health Services 2 PADE 22/23 Partner Organization	$0	$0	$21,500
56	2022-12-03-56	University of Delaware	Be Ready CDC PADE 22/23 Partner Organization	$0	$0	$18,000
57	2022-12-03-57	University of Delaware	Building Capacity for PCOR about COVID-19 Vaccination in the Long Term Care Workforce	$0	$0	$21,429
58	2022-12-03-58	University of Delaware	Community Comms: A Suite of Online News Media Literacy Interventions	$0	$0	$95,238
59	2022-12-03-59	University of Delaware	Post-School Pathways for Youth on the Autism Spectrum	$0	$0	$49,990
60	2022-12-03-60	University of Delaware	United Way of Delaware PADE 22/23 Partner Organization	$0	$0	$77,500
61	2022-12-03-61	University of Delaware	Cornerstone West CDC 2 PADE 22/23 Partner Organization	$0	$0	$24,000
62	2022-12-03-62	University of Delaware	Jefferson Street Center Inc PADE 22/23 Partner Organization	$0	$0	$13,500
63	2022-12-03-63	University of Delaware	Wilmington Sudbury School Inc PADE 22/23 Partner Organization	$0	$0	$13,500
64	2022-12-03-64	University of Delaware	Delaware Nature Society PADE 22/23 Partner Organization	$0	$0	$19,500
65	2022-12-03-65	University of Delaware	Community Collaboration PADE 22/23 Partner Organization	$0	$0	$17,250
66	2022-12-03-66	University of Delaware	SOAR PADE 22/23 Partner Organization	$0	$0	$19,000
67	2022-12-03-67	University of Delaware	Interfaith Power and Light PADE 22/23 Partner Organization	$0	$0	$16,500
68	2022-12-03-68	University of Delaware	Habitat for Humanity PADE 22/23 Partner Organization	$0	$0	$41,000
69	2022-12-03-69	University of Delaware	Mental Health Association in Delaware 1 PADE 22/23 Partner Organization	$0	$0	$16,500
70	2022-12-03-70	University of Delaware	Mental Health Association in Delaware 2 PADE 22/23 Partner Organization	$0	$0	$16,500
71	2022-12-03-71	University of Delaware	Delaware Humanities Forum PADE 22/23 Partner Organization	$0	$0	$21,000
72	2022-12-03-72	University of Delaware	Identifying and Culturing Slug Parasitic Nematodes in Delaware	$0	$0	$7,884
73	2022-12-03-73	University of Delaware	Predicting Sleep, Smoking and Lung Health Disparities in at-Risk Black African American Adults	$0	$0	$70,410
74	2022-12-03-74	University of Delaware	Metabolic Risk Factors and Treatment Outcomes in Achilles Tendinopathy	$100,529	$0	$0
75	2022-12-03-75	University of Delaware	Examining the Role of Central Sensitization with Aging: An Investigation of Older Adults with and Without Chronic Low Back Pain	$137,310	$0	$0
76	2022-12-03-76	University of Delaware	Collaborative Research: Hydrogeophysical Monitoring and Modeling of Heterogeneity in Salinization Processes Across the Marsh-Upland Transition	$222,819	$0	$0
77	2022-12-03-77	University of Delaware	Hy-Sar: Hydrogen-Enabled Source-Agnostic Resilient North American Grid Consortium	$0	$0	$625,755
78	2022-12-03-78	University of Delaware	NCCVT SD 2022 Seminars for Delaware Teachers Institute for FY23	$0	$0	$6,250
79	2022-12-03-79	University of Delaware	Coordination and Dissemination of Technical Assistance to Support Rural Communities, Region 3	$0	$0	$139,000
80	2022-12-03-80	University of Delaware	Soybean Row Spacing and Planting Rate Effects on Litter Decomposition	$0	$0	$7,743

81	2022-12-03-81	University of Delaware	Soil pH and Planting Timing Effects on Yield	$0	$0	$6,356
82	2022-12-03-82	University of Delaware	Irrigation and Starter Potassium Effects on Uptake and Yield	$0	$0	$5,556
83	2022-12-03-83	University of Delaware	3D Divergence-Free Finite Elements and Bubble Enriched Finite Elements	$90,303	$0	$0
84	2022-12-03-84	University of Delaware	Inverse Problems for Dispersive Poroelastic Materials with a Kernel Learning Approach	$186,704	$0	$0
85	2022-12-03-85	University of Delaware	Engaging Suburban and Rural Schools in Improvement for Equity	$0	$0	$50,741
86	2022-12-03-86	University of Delaware	Simple Tools for Better Family Sleep: A Community-Engaged Sleep Intervention	$0	$0	$500,000
87	2022-12-03-87	University of Delaware	Sex Differences in Central Neural Activation During Acute Hypernatremia	$149,945	$0	$0
88	2022-12-03-88	University of Delaware	Rate Scaling and Motor Segmentation: Objective Measures of Parkinson's Disease	$99,392	$0	$0
89	2022-12-03-89	University of Delaware	Optimizing Educator Engagement in Actions Against Racism	$0	$0	$12,384
90	2022-12-03-90	University of Delaware	SST Anchors 2	$0	$0	$10,725
91	2022-12-03-91	University of Delaware	Collaborative Research: Multiscale Structure Discovery in Dynamic Networks	$99,338	$0	$0
92	2022-12-03-92	University of Delaware	Collaborative Research: WoU-MMA: Ultrahigh Energy Neutrinos with the Radio Neutrino Observatory in Greenland	$223,769	$0	$0
93	2022-12-03-93	University of Delaware	WoU-MMA: Exploring the Extreme Universe with VERITAS and CTA	$593,759	$0	$0
94	2022-12-03-94	University of Delaware	Integrated Carbon-Neutral Methanol Production from Direct Air Capture and Carbon-Free Hydrogen	$309,006	$0	$0
95	2022-12-03-95	University of Delaware	Identifying and Culturing Slug Parasitic Nematodes in Maryland	$0	$0	$8,106
96	2022-12-03-96	University of Delaware	Enhancement of Working Memory Using Endogenous Hippocampal-Prefrontal Theta Synchrony	$1,250,000	$0	$0
97	2022-12-03-97	University of Delaware	Central Networks, Peripheral Factors, and Individual Vulnerability to Postpartum Mood Disorder	$1,959,769	$0	$0
98	2022-12-03-98	University of Delaware	Factors Impacting Activity Assessment for Adults with an Intellectual Disability	$0	$0	$2,000
99	2022-12-03-99	University of Delaware	Novel Methods for Non Destructive Testing Using Electromagnetic Waves	$0	$0	$151,919
100	2022-12-04-01	University of Delaware	Collaborative Research: CPS: Medium: Lossless Workflow and Tools for Additive Manufacturing of Freeform Composite Parts	$240,582	$0	$0
101	2022-12-04-02	University of Delaware	Public Allies FY23/24 National Support	$0	$0	$589,941
102	2022-12-04-03	University of Delaware	Development of a Socially Responsible Grade Crossing Safety Model Considering Engineering and Socio-Economic Parameters	$734,087	$0	$0
103	2022-12-04-04	University of Delaware	Philanthropy Delaware PADE 22/23 Partner Organization	$0	$0	$18,500
104	2022-12-04-05	University of Delaware	Immigration, Inequality and the Welfare State	$0	$0	$70,905
105	2022-12-04-06	University of Delaware	Collections AID	$0	$0	$4,998
106	2018-05-05-08 Amendment	Delaware State University	Delaware INBRE IV/DSU	$470,000	$0	$0

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107	2018-10-13-03 Amendment	Delaware State University	Analysis of Specific Spoilage Organisms and other Bacteria Isolated from Food and Agriculture Products	$200,000	$0	$0
108	2022-12-10-01	Delaware State University	Child and Adult Care Food Program (CACFP) FY23	$44,011	$0	$0
109	2022-12-10-02	Delaware State University	Transforming NextGen Education and Workforce Development Through Sustainable Practices in FANH Driven by Data Science	$4,254,773	$0	$0
110	2022-12-10-03	Delaware State University	DSU Expanded Food and Nutrition Education Program (EFNEP)	$188,130	$0	$0
111	2022-12-10-04	Delaware State University	P- and N-Dopable Electrode for Electroactive Polymer Supercapacitors	$20,954	$0	$0
112	2022-12-10-05	Delaware State University	Creating Pathways to Success Through Ag-STEM Education - Developing the Next Generation of Ag-Workforce	$63,259	$0	$0
113	2022-12-10-06	Delaware State University	A Thematic Approach to General Education and the Humanities	$60,000	$0	$0

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