

**Delaware State Clearinghouse Committee
January Agenda**

January 28, 2020

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
<u>New Business*</u>									
1	4288	Executive, Criminal Justice Council	Postconviction Testing of DNA	\$307,552	\$0	\$0	0.06	0.00	0.00
2	4326	Executive, Criminal Justice Council	Innovative Reentry Initiatives	\$1,000,000	\$1,000,000	\$0	0.35	0.00	0.00
3	4327	Executive, Criminal Justice Council	Comprehensive Opioid Abuse Programs	\$3,000,000	\$0	\$0	0.58	0.00	0.00
4	4319	Department of Health and Social Services, Community Health	Council of State and Territorial Epidemiologists (CSTE) Influenza and Zoonoses Education Among Youth	\$96,000	\$6,799	\$0	0.00	0.05	0.00
5	2020-01-14-01	Department of Services for Children, Youth, and Their Families, Community Services	Dual Status Technical Assistance Grant	\$0	\$0	\$66,180	0.00	0.00	0.00
6	4310	Department of Natural Resources and Environmental Control, Watershed Stewardship	US Food and Drug Administration of Food and Drug Officials Travel	\$7,536	\$23	\$0	0.00	0.00	0.00
7	3977 Amendment	Department of Agriculture, Plant Industries	Spotted Lanternfly Survey and Outreach	\$583,000	\$0	\$0	1.00	0.00	0.00
8	4321	Colonial School District	School Violence Prevention Program	\$393,120	\$131,040	\$0	0.00	0.00	0.00
<u>Continued</u>									
4	4244	Executive, Criminal Justice Council	Sexual Assault Services Program	\$377,493	\$0	\$0	0.20	0.00	0.00
2	4251	Department of State, Office of the Director	Historic Preservation Grant-in-Aid	\$545,991	\$366,724	\$0	5.00	3.00	0.00
3	4320	Department of State, Human Relations	Fair Housing Assistance Program	\$128,372	\$0	\$0	1.00	0.00	0.00
4	4300	Department of Health and Social Services, Community Mental Health	Community Mental Health Block Grant	\$1,598,527	\$0	\$0	1.00	0.00	0.00
5	4306	Department of Health and Social Services, Community Health	Milk and Shellfish Grant Program	\$7,958	\$0	\$0	0.00	0.00	0.00
6	4307	Department of Health and Social Services, Community Health	Universal Newborn Hearing Screening	\$940,000	\$0	\$0	1.50	0.00	0.00
7	3754 Amendment	Department of Health and Social Services, Child Support Enforcement	Child Support Enforcement	\$0	\$0	\$0	(0.66)	(0.34)	0.00
8	4291	Department of Natural Resources and Environmental Control, Air Quality	Environmental Protection Agency Multipurpose Grant	\$112,168	\$0	\$0	0.00	0.00	0.00
9	3296 Amendment	Department of Natural Resources and Environmental Control, Fish and Wildlife	F-43-E Rev. 3 Delaware Aquatic Resources Education Program	\$37,500	\$12,500	\$0	0.00	0.00	0.00
10	4257	Department of Safety and Homeland Security, Traffic	Motor Carrier Safety Assistance Program	\$1,251,260	\$220,810	\$0	6.70	0.90	0.00
11	4290	Department of Safety and Homeland Security, Division of Forensic Science	DNA Capacity Enhancement and Backlog Reduction Program	\$431,069	\$13,912	\$0	0.00	0.00	0.00
12	4328	Department of Safety and Homeland Security, Highway Safety	Section 154 Sanction Grant	\$1,196,350	\$0	\$0	0.00	0.00	0.00
13	4315	Department of Transportation, Division of Motor Vehicles	Commercial Driver License Program Improvement Grant	\$187,494	\$20,832	\$0	0.00	0.00	0.00
14	4296	Department of Labor, Employment and Training Services	Labor Certification for Foreign Workers	\$65,000	\$0	\$0	1.00	0.00	0.00
15	4297	Department of Labor, Employment and Training Services	Work Opportunity Tax Credit	\$71,932	\$0	\$0	0.50	0.00	0.00

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

Higher Education

1	2019-11-16-12	Delaware State University	Think Before Doing	\$0	\$12,000	\$0
2	2020-01-11-01	Delaware State University	Targeted Infusion Project: Enhancing Undergraduate Education and Research, Innovation and Education in Engineering and Computer-Science -Integration of Smart Sensors Design to Citizens Science	\$399,393	\$0	\$0
3	2020-01-11-02	Delaware State University	MRI Study of a Limbic-Predominant Age-Related TDP-43 Encephalopathy Model	\$0	\$0	\$174,977
4	2020-01-11-03	Delaware State University	Nanoporous Layered-Oxide Cathode Material for Sodium Ion-Batteries	\$358,198	\$0	\$0
5	2020-01-11-04	Delaware State University	Mental and Behavioral Health Research Retreat	\$0	\$0	\$7,612
6	2020-01-11-05	Delaware State University	Disease Progression in an Inducible Model of TDP-43 Proteinopathy Using Resting State BOLD MRI	\$3,634,939	\$0	\$0
7	2020-01-11-06	Delaware State University	Engaging and Versatile Educational Supplements to Enhance Student Training and Interest in Research	\$366,177	\$0	\$0
8	2020-01-11-07	Delaware State University	Wound Healing: Characterizing the Effect of Clinical Pseudonas Aeruginosa on Diabetic Foot Ulcers	\$0	\$0	\$24,730
9	2020-01-11-08	Delaware State University	Understanding Stock-Recruitment Relationships for Atlantic Sturgeon in the New York Distinct Population Segment Using Estimates of Spawner Abundance and Juvenile Recruitment	\$0	\$0	\$422,890
10	2020-01-11-09	Delaware State University	Redding Consortium Support	\$0	\$0	\$46,675
11	2020-01-11-10	Delaware State University	1890 Scholarship Program for Undergraduate Students in Food and Agricultural Sciences	\$2,000,000	\$0	\$0
12	2020-01-11-11	Delaware State University	USDA-FNS Subcontract with UD	\$324,000	\$0	\$0
13	2020-01-11-12	Delaware State University	Constraining Carbon and Nitrogen Sources in the State of Delaware: Validating Satellite Data with Ground-based High Spatial-resolution Mapping	\$19,874	\$0	\$0
14	2020-01-18-01	Delaware State University	Transforming Education into an Immersive Research Experience	\$599,762	\$0	\$0
15	2020-01-18-02	Delaware State University	Implementation of DSU's Biomedical, Behavioral and Allied Health Center	\$0	\$149,350	\$0
16	2020-01-18-03	Delaware State University	Curriculum Expansion Project	\$200,000	\$0	\$0
17	2020-01-18-04	Delaware State University	Housing Stability Project	\$1,899,404	\$0	\$0
18	2018-10-13-03 Amendment	Delaware State University	Analysis of Specific Spoilage Organisms and Other Bacteria Isolated from Food and Agriculture Products	\$52,000	\$0	\$0
18	2020-01-04-01	University of Delaware	Rural Child Hunger Faith Community Engagement Project Proposal: University of Delaware	\$0	\$0	\$13,515
19	2020-01-04-02	University of Delaware	Collaborative Research: Coding with Beats: Increasing Computer Science Access, Confidence, and Skills of Minoritized Youth through Creating Hip-Hop	\$99,237	\$0	\$0

20	2020-01-04-03	University of Delaware	Toolkit for Fast, Multipurpose and Inducible Biorthogonal Chemistry	\$298,539	\$0	\$0
21	2020-01-04-04	University of Delaware	CNS Core: Small: A Novel Input-Adaptive Parallel Signal Processing Library	\$224,861	\$0	\$0
22	2020-01-04-05	University of Delaware	Augmented Reality for Co-Located Collaborative Anatomy Learning	\$0	\$0	\$130,126
23	2020-01-04-06	University of Delaware	Imaging the Motor System in Parkinson's Disease: Identifying Network Deficits with Isolated Vs. Coordinated Movements of the Upper and Lower Limbs	\$277,338	\$0	\$0
24	2020-01-04-07	University of Delaware	ABC Training Contract Duke/DHHS Roben 20	\$0	\$0	\$78,701
25	2020-01-04-08	University of Delaware	ABC Training Contract OMDHSAS Roben 20	\$0	\$0	\$27,775
26	2020-01-04-09	University of Delaware	UOL Finance LAUX Academic Winter Program	\$0	\$0	\$52,333
27	2020-01-04-10	University of Delaware	CIF: Small: Phased-Array Secure Communications for mmWave Wireless Systems	\$255,743	\$0	\$0
28	2020-01-04-11	University of Delaware	Augmented Reality (AR) Software for AF Maintenance Training Applications	\$0	\$0	\$75,449
29	2020-01-04-12	University of Delaware	Animal Performance Response to Two Rumen Protected Methionine Products	\$0	\$0	\$26,226
30	2020-01-04-13	University of Delaware	Role of Large-Scale Land Acquisitions in Addressing Livelihoods, Nutrition, and Resilience to Shocks	\$0	\$0	\$77,947
31	2020-01-04-14	University of Delaware	Louis Stokes STEM Pathways and Research Alliance: Greater Philadelphia Region LSAMP (Philadelphia AMP)	\$0	\$0	\$149,275
32	2020-01-04-15	University of Delaware	III: RI: Small: Synergistic Human Machine Prediction Systems for Quality Assurance, Vigilance, and Continual Learning	\$219,555	\$0	\$0
33	2020-01-04-16	University of Delaware	CNH2-L: Groundwater Sustainability in a Changing Climate: Coupled Hydrologic and Socioeconomic Dynamics in Irrigated Agricultural Landscapes	\$0	\$0	\$198,034
34	2020-01-04-17	University of Delaware	Collaborative Research: CIF: Small: Beyond Compressed Sensing: Analog Coding for Communications	\$177,140	\$0	\$0
35	2020-01-04-18	University of Delaware	New Models of Stellar Evolution to Understand the Past, Present & Future of Magnetic Massive Stars	\$374,541	\$0	\$0
36	2020-01-04-19	University of Delaware	Pesticide Safety Education Funds Management Program (PSEFMP) Grant	\$0	\$0	\$15,615
37	2020-01-04-20	University of Delaware	American Witch Hunt: Gender, Power, and Politics from Salem to #MeToo	\$0	\$0	\$195,665
38	2020-01-04-21	University of Delaware	Skin-to-Skin Contact Simulation: Improving Health Outcomes for Medically Fragile Newborns in the NICU	\$0	\$0	\$319,982
39	2020-01-04-22	University of Delaware	SLAM for Warehouse Robots	\$0	\$0	\$200,000
40	2020-01-04-23	University of Delaware	Professional Development and Implementation Support for Inclusive Practices in the State of Hawaii Department of Education (HIDOE)	\$0	\$0	\$557,935

41	2020-01-04-24	University of Delaware	Seasonality Amplification Drives Distinct Feedbacks to Air-Sea CO2 Flux in the Western Arctic	\$1,048,888	\$0	\$0
42	2020-01-04-25	University of Delaware	Does Atmospheric or Oceanographic Climate Change Drive Penguin Populations in the Antarctic Peninsula?	\$1,062,875	\$0	\$0
43	2020-01-04-26	University of Delaware	Slug and Natural Enemy Phenology in the Mid-Atlantic Field Crops	\$0	\$0	\$19,481
44	2020-01-04-27	University of Delaware	CIF:Small: Graph-Based Quantum Error Correcting Codes	\$329,275	\$0	\$0
45	2020-01-04-28	University of Delaware	Collaborative Research: CIF: Small: Fundamental Laws of Network Information Flow: Communication, Inference and Learning	\$164,639	\$0	\$0
46	2020-01-04-29	University of Delaware	Stories of Home: Everyday Concepts of Justice in Climate Relocation	\$0	\$0	\$199,999
47	2020-01-04-30	University of Delaware	Resilience: The New Face of Consciousness.	\$0	\$0	\$8,100
48	2020-01-04-31	University of Delaware	Unraveling Stress Localization Structure (SLS) in Multimaterial Polycrystalline Ceramics	\$202,288	\$0	\$0
49	2020-01-04-32	University of Delaware	Examining the Efficacy of a Fraction Sense Intervention Grounded in Principles from the Science of Learning	\$2,521,205	\$0	\$0
50	2020-01-04-33	University of Delaware	NSF Collaborative Research: Integrated Optoelectronic Optimization of Thin-Film Solar Cells with Light-Trapping Structures	\$305,093	\$0	\$0
51	2020-01-04-34	University of Delaware	Collaborative Research: RI: Small: Safe Underwater Exploration with Agile Legged Swimmers: Learning to Adapt to Large-Scale Uncertainty	\$164,585	\$0	\$0
52	2020-01-04-35	University of Delaware	Collaborative Research: RI: Small: Adversarial Meta-Knowledge Creation for Complex and Explainable Scene Understanding	\$170,511	\$0	\$0
53	2020-01-04-36	University of Delaware	NSF Robust Least Squares Discretization for Mixed Variational Formulations	\$217,105	\$0	\$0
54	2020-01-04-37	University of Delaware	CNS Core: Small: Enabling Approximate Computing for Dependent Microservices	\$179,754	\$0	\$0
55	2020-01-04-38	University of Delaware	ABC Dissemination Training	\$0	\$0	\$148,148
56	2020-01-04-39	University of Delaware	Chemogenetic Approaches for Enhancing Cartilage Tissue Engineering	\$275,003	\$0	\$0
57	2020-01-04-40	University of Delaware	Mary Ann Shadd Cary: Civil & Voting Rights Pioneer from Wilmington to Canada West	\$0	\$0	\$10,000
58	2020-01-04-41	University of Delaware	Targeting Mathematical Misconceptions and Improving Procedural Fluency: An Exploration of Individual Differences in Learning through Errors	\$2,017,659	\$0	\$0
59	2020-01-04-42	University of Delaware	AI Detecting Echoes of Stellar Explosions in the LSST Data	\$429,282	\$0	\$0
60	2020-01-04-43	University of Delaware	Christiana Winds at Victoria International Arts Festival	\$0	\$0	\$14,377
61	2020-01-04-44	University of Delaware	ABC Dissemination Training	\$0	\$0	\$46,296

62	2020-01-04-45	University of Delaware	Recovery of Symptoms, Function, Tendon Structure and Mechanical Properties in Patients with Achilles Tendinopathy: A Comparison Between Men and Women	\$138,162	\$0	\$0
63	2020-01-04-46	University of Delaware	Geologic Map of Wilmington South, Delaware City, and Taylors Bridge Quadrangles	\$220,971	\$6,813	\$0
64	2020-01-04-47	University of Delaware	RE/Cover Textiles: Development of Innovative Textile Upcycling Waste to Value Process Platform Through Participatory Community-Research Partnership	\$18,688	\$0	\$0
65	2020-01-04-48	University of Delaware	Service Agreement Between NUUVE and COE	\$0	\$0	\$87,623
66	2020-01-04-49	University of Delaware	CRCNS US-German Research Proposal: Mechanistic Stochastic Modeling and Inference of Neuronal Synaptic Transmission	\$218,643	\$0	\$0
67	2020-01-04-50	University of Delaware	The Interplay Between Reconnection and Turbulence	\$328,539	\$0	\$0
68	2020-01-04-51	University of Delaware	Sustainability Support for the Iraqi Institute for the Conservation of Antiquities and Heritage	\$133,333	\$0	\$0
69	2020-01-04-52	University of Delaware	WoU-MMA: Particle Astrophysics with VERITAS and CTA	\$546,810	\$0	\$0
70	2020-01-04-53	University of Delaware	Jewish Family Services PADE 19/20 Partner Organization	\$0	\$0	\$4,000
71	2020-01-04-54	University of Delaware	Instant K-Space Tomography for Spatial Spectral Monitoring	\$0	\$0	\$149,259
72	2020-01-04-55	University of Delaware	An Examination of the Reciprocal Mediating Effects of Fathering on Family Functioning and Children's Well-Being, Using the Parents and Children Together (PACT) Dataset	\$93,738	\$0	\$0
73	2020-01-04-56	University of Delaware	Professional Learning Services to NCCVT Teachers and Administrators to Support Curriculum Alignment to and Understanding of NGSS Standards and Instruction.	\$0	\$0	\$6,176
74	2020-01-04-57	University of Delaware	The Korea Institute of Marine Science and Technology Promotion	\$0	\$0	\$10,658
75	2020-01-04-58	University of Delaware	Cross-Cutting Metrology Tools for In Operando Characterization of Carrier Dynamics in Photovoltaic Devices	\$0	\$0	\$50,079
76	2020-01-04-59	University of Delaware	Information Theoretic Approaches to Computational Lithography	\$318,913	\$0	\$0
77	2020-01-04-60	University of Delaware	National Crime Victims' Rights Week, Seek Justice Ensure Victims' Rights Inspire Hope	\$0	\$0	\$4,979
78	2020-01-04-61	University of Delaware	IR-4 NER Crop Pest Management Program - Integrated Solutions and Performance Research	\$0	\$0	\$25,000
79	2020-01-04-62	University of Delaware	EFRI DChEM: Food Waste Valorization through Biological-Chemical Modular Processing	\$1,305,206	\$0	\$0
80	2020-01-04-63	University of Delaware	CAREER: Mixed-Signal Photonic Integrated Circuits for Energy-Efficient High-Speed Data Interfaces	\$236,215	\$0	\$0
81	2020-01-04-64	University of Delaware	NSF-BSF: High-Precision Atomic Methodologies and New Physics Searches	\$259,290	\$0	\$0
82	2020-01-04-65	University of Delaware	Arthrogryposis: Evaluation Across the Lifespan	\$0	\$0	\$25,000

83	2020-01-04-66	University of Delaware	CDS/Iowa/Army TRL6 S Supplement	\$0	\$0	\$102,950
84	2020-01-04-67	University of Delaware	The Role of Resources in Environmental Displacement and Migration	\$0	\$0	\$175,000
85	2020-01-04-68	University of Delaware	Unraveling the Chain of Causality in Cross-Scale Heliospheric Energy Transport: From Large Scale Dynamics Through Cascade to Plasma Dissipation.	\$1,054,943	\$0	\$0
86	2020-01-04-69	University of Delaware	University of Delaware MRSEC - Center for Hybrid, Active, and Responsive Materials (CHARM)	\$10,500,104	\$0	\$0
87	2020-01-04-70	University of Delaware	Collaborative Research: WoU-MMA: Askaryan Radio Array: The World's Forefront Neutrino Astrophysics Program from 100 PeV	\$117,702	\$0	\$0
88	2020-01-04-71	University of Delaware	Collaborative Research: WoU-MMA: Construction of the Radio Neutrino Observatory in Greenland - Multi-messenger Astrophysics at Extreme Energies and a Pathfinder Toward IceCube-Gen2	\$131,954	\$0	\$0
89	2020-01-04-72	University of Delaware	Impacting Chemical Biology through Synthetic Excellence	\$0	\$0	\$88,890
90	2020-01-04-73	University of Delaware	Controlling and Preventing Asthma Progression and Severity in Kids (CASK) - Diversity Supplement	\$0	\$0	\$289,814
91	2020-01-04-74	University of Delaware	School-Based Health Center Partnership Program	\$0	\$0	\$63,341
92	2020-01-04-75	University of Delaware	Sloan Research Fellowship for Xinfeng Liang in Ocean Sciences	\$0	\$0	\$60,077
93	2020-01-04-76	University of Delaware	A 3-Faculty Team from the UD, The Center for the Study and Prevention of Gender-Based Violence in Collaboration with Faculty from BHAN & HDFs Proposes to Provide Evaluation Support to the DCADV Community Health Advocate Program.	\$0	\$0	\$46,425
94	2020-01-04-77	University of Delaware	NSF Student Travel Grant for 2020 IEEE Conference on Communications and Network Security (CNS)	\$18,000	\$0	\$0
95	2020-01-04-78	University of Delaware	NSF Student Travel Grant for 2020 ACM SIGCOMM Symposium on SDN Research (SOSR)	\$15,000	\$0	\$0
96	2020-01-04-79	University of Delaware	UM/DOS SUSI-FP 2020 Study of The U.S. Institutes for Scholars	\$0	\$0	\$277,552
97	2020-01-04-80	University of Delaware	Collaborative Research: Network Cluster: Salinization of the Coastal Critical Zone: Drivers and Feedbacks that Transform Landscapes and Fluxes Between Land and Sea	\$1,553,637	\$0	\$0
98	2020-01-04-81	University of Delaware	NSF Zhang Collaborative Research: Hybridizable Dg Methods for Optimal Transport Via Fluid Flows	\$57,523	\$0	\$0
99	2020-01-04-82	University of Delaware	NSF Zhang Collaborative Research: Interpolatory Hybridizable Dg Methods for Nonlinear PDES	\$57,523	\$0	\$0
100	2020-01-04-83	University of Delaware	Career: Proof in Secondary Classrooms: Decomposing a Central Mathematical Practice. Supplement	\$51,661	\$0	\$0
101	2020-01-04-84	University of Delaware	The Structural Basis of SwrA Activation Of Swarming Motility and its Adaptor-Mediated Degradation by LonA Protease	\$195,094	\$0	\$0
102	2020-01-04-85	University of Delaware	Neural Network Models of Competency Status to Enhance Human-Agent Team Performance	\$62,339	\$0	\$0
103	2020-01-04-86	University of Delaware	STRIVE PADE 19/20 Partner Organization	\$0	\$0	\$12,500

104	2020-01-04-87	University of Delaware	Girls Inc PADE 19/20 Partner Organization	\$0	\$0	\$14,500
105	2020-01-04-88	University of Delaware	Claymont Community Center PADE 19/20 Partner Organization	\$0	\$0	\$12,500
106	2020-01-04-89	University of Delaware	Summer Collaborative PADE 19/20 Partner Organization	\$0	\$0	\$14,500
107	2020-01-04-90	University of Delaware	Central Baptist CDC PADE 19/20 Partner Organization	\$0	\$0	\$16,500
108	2020-01-04-91	University of Delaware	MRI: Acquisition of a Multi Collector Inductively Coupled Mass Spectrometer	\$713,420	\$0	\$0
109	2020-01-04-92	University of Delaware	SCH: INT: Pediatric Motor Rehabilitation Via Socially Interacting Robot Swarms	\$794,720	\$0	\$0
110	2020-01-04-93	University of Delaware	Achieving Unprecedented Measurement Accuracy by a New Radio-Muon Method for Multi-Messenger Particle Astrophysics	\$444,699	\$0	\$0
111	2020-01-04-94	University of Delaware	Functional Consequences of Plasmalogens - Membrane Curvature and Lipid Miscibility	\$186,582	\$0	\$0
112	2020-01-04-95	University of Delaware	Collaborative Research: Precipitation-Driven Watershed Scale Controls of Carbon Dioxide Fluxes in Tropical Headwaters	\$0	\$0	\$28,117
113	2020-01-04-96	University of Delaware	Attachment A - Year 2 - Investigations of Hydrocarbon Reservoirs through Metagenomics and Biological Methane Oxidation	\$0	\$0	\$287,824
114	2020-01-04-97	University of Delaware	SCH: INT: Collaborative Research: A Smart Wearable System for Early Identification of Developmental Delays	\$570,052	\$0	\$0
115	2020-01-04-98	University of Delaware	Safety and Efficacy of Avian Paramyxovirus 3 Vectored Infectious Bursal Disease Virus Vaccine Administered to Day-old Chicks as a Monovalent or in Combination with Newcastle Disease Virus B1B1 against a Virulent Newcastle Disease Virus (Texas GB) Challenge	\$0	\$0	\$43,149
116	2020-01-04-99	University of Delaware	STRIVE2 PADE 19/20 Partner Organization	\$0	\$0	\$12,500
117	2020-01-05-01	University of Delaware	Non-Destructive Molecular Monitoring and Diagnosis of Alkali-Silica Reaction	\$0	\$4,000	\$49,945
118	2020-01-05-02	University of Delaware	Delaware Sea Grant 2020-2022 Research Projects	\$1,340,374	\$31,764	\$0
119	2020-01-11-01	University of Delaware	Collaborative Research: Generalized Fluctuation Tests for Deciphering Stochastic Phenotypic Switching within Cell Populations	\$158,652	\$0	\$0
120	2020-01-11-02	University of Delaware	A Novel Approach to Model Multiple Datasets Aimed to Improve Diagnosis, Predict Progression and Inform New Treatments of Chronic Disease	\$762,418	\$0	\$0
121	2020-01-11-03	University of Delaware	QESST: ERC For Quantum Energy and Sustainable Solar Technologies	\$0	\$0	\$23,164
122	2020-01-11-04	University of Delaware	Effects of Prenatal Opioid Exposure on Infant Autonomic Physiology	\$192,051	\$0	\$0
123	2020-01-11-05	University of Delaware	Delaware Geological Survey National Ground Water Monitoring Network 2020 Objective 2, Part A	\$28,615	\$0	\$0
124	2020-01-11-06	University of Delaware	NCCPD/BJA Opioid Response	\$0	\$0	\$126,102

125	2020-01-11-07	University of Delaware	NCCPD/BJA Justice and Mental Health Collaboration Program	\$0	\$0	\$63,559
126	2020-01-11-08	University of Delaware	Acquisition of Goods and Services	\$10,727	\$0	\$0
127	2020-01-11-09	University of Delaware	US Students Participation of the 22nd Course of ISCRA	\$15,000	\$0	\$0
128	2020-01-11-10	University of Delaware	Global Enterprise Technology Program Cullis	\$0	\$0	\$66,842
129	2020-01-11-11	University of Delaware	Patellofemoral OA Development in the ACL Reconstructed Knee	\$2,418,260	\$0	\$0
130	2020-01-11-12	University of Delaware	Accelerated Magnetic Resonance Elastography for Brain Stiffness Analysis in Children with Classic Autistic Disorder	\$193,958	\$0	\$0
131	2020-01-11-13	University of Delaware	State-Of-The-Practice Report Partial-Depth Precast Concrete Deck Panels	\$0	\$0	\$5,403
132	2020-01-11-14	University of Delaware	New Directions in AIOps	\$0	\$0	\$500,002
133	2020-01-11-15	University of Delaware	Leveraging Youth Participatory Action Research to Address Educational Inequities for Unstably Housed Youth	\$0	\$0	\$30,000
134	2020-01-11-16	University of Delaware	QLCI-CI: Enhanced Sensing and Distribution Using Quantum States	\$0	\$0	\$296,871
135	2020-01-11-17	University of Delaware	RCN: Think Globally, Sample Locally - Building an International Community to Advance Urban Soil Science	\$412,559	\$0	\$0
136	2020-01-11-18	University of Delaware	Collaborative Research: Synthetic CRISPR-Cas6 Endonucleases for Dynamic Control of Cellular Phenotypes in Yeast	\$391,777	\$0	\$0
137	2020-01-11-19	University of Delaware	NSF Oceanographic Instrumentation CY20	\$106,900	\$0	\$0
138	2020-01-11-20	University of Delaware	Effects of Developmental Alcohol Exposure and Adolescent Exercise Intervention on Myelination of the Corpus Callosum in a Rodent Model of Fetal Alcohol Spectrum Disorders	\$126,360	\$0	\$0
139	2020-01-11-21	University of Delaware	4D Rheo-SANS Sample Environment for Soft Matter, Biology and Materials Processing	\$0	\$0	\$234,533
140	2020-01-11-22	University of Delaware	The Case for Jewelry Manufacturing and its Impact on Value Addition, Job Creation, and the Economic Empowerment of Women and Youth	\$0	\$0	\$126,662
141	2020-01-11-23	University of Delaware	NSF OPS Support	\$511,207	\$0	\$0
142	2020-01-11-24	University of Delaware	Mapping Dynamics and Cooperative Interactions at Electrode/Electrolyte Interfaces to Direct Valorization of CO2 and N2	\$499,126	\$0	\$0
143	2020-01-11-25	University of Delaware	Effects of Aging and Mild Cognitive Impairment on the Viscoelastic Properties of the Hippocampal Subfields and Memory Performance	\$193,958	\$0	\$0
144	2020-01-11-26	University of Delaware	Novel Model of Tendinosis to Investigate Multiscale Structure and Function of Tendon after Overload	\$193,958	\$0	\$0
145	2020-01-11-27	University of Delaware	Prevention Point Philadelphia/ Dept of Health and Human Services Grants for the Benefit of Homeless Individuals	\$0	\$0	\$213,793

146	2020-01-11-28	University of Delaware	Logic-Gated Pro-MMPActivation for Bioinspired Motility and Signal Amplification in Nanocarriers	\$322,286	\$0	\$0
147	2020-01-11-29	University of Delaware	Study of the U.S. Institutes for Student Leaders on Women's Leadership	\$0	\$0	\$201,916
148	2020-01-11-30	University of Delaware	Stimuli Responsive Hydrogel Microparticle Populations for Controlled Delivery of Multiple Therapeutics Toward Improved Combination Therapy for Breast Cancer Treatment	\$0	\$0	\$960
149	2020-01-11-31	University of Delaware	Augmented Reality for Co-Located Collaborative Anatomy Learning	\$0	\$0	\$135,600
150	2020-01-11-32	University of Delaware	Catalytic Formation of Carbon-Heteroatom Bonds in Electrochemical CO2/CO Reduction	\$345,880	\$0	\$0
151	2020-01-11-33	University of Delaware	Harness Phase Transformation Near Diffraction Limit with Chip-Scale Dielectric Metasurface	\$0	\$0	\$600,001
152	2020-01-11-34	University of Delaware	Comprehensive Life Cycle Analysis of Mined Vs. Laboratory Grown Diamonds	\$0	\$0	\$58,160
153	2020-01-11-35	University of Delaware	Ultra-High Precision Sensing and Constraining Isotopic Ratios of Oxygen, Carbon and Water Vapor for Landed Mars Mission	\$92,953	\$0	\$0
154	2020-01-11-36	University of Delaware	Development of Region-based Image Registration and Change Detection Techniques for Mapping Natural Disasters	\$93,000	\$0	\$0
155	2020-01-11-37	University of Delaware	Military Youth Maker Camp	\$0	\$0	\$8,475
156	2020-01-11-38	University of Delaware	Clapper Rail (Rallus crepitans) Demography and Movement Ecology	\$100,840	\$0	\$0
157	2020-01-11-39	University of Delaware	Classifying Cosmic-Ray Events Detected by Radio Probes	\$65,063	\$0	\$0
158	2020-01-11-40	University of Delaware	Collaborative Research: Understanding Agglomeration and Deagglomeration of Irregularly Shaped Microparticles in Pulmonary Airflows	\$226,518	\$0	\$0
159	2020-01-11-41	University of Delaware	Durability of Steel Bridge Corrosion Protection Systems Using Environment-Based Accelerated Corrosion Testing	\$0	\$0	\$137,224
160	2020-01-11-42	University of Delaware	On-Chip Spectrometers for Infrared and Terahertz Wavelengths	\$0	\$0	\$600,001
161	2020-01-11-43	University of Delaware	Mixing in the Texas Coastal Zone through Coordinated Simulations and Field Measurements: The Role of Langmuir Cells in Sediment Suspension and Oil-mineral Aggregation	\$0	\$0	\$18,380
162	2020-01-11-44	University of Delaware	Blue Carbon Dynamics of a Tidal Salt Marsh Ecosystem: Investigating Storage and Transport Mechanisms at the St. Jones National Reserve	\$101,822	\$0	\$0
163	2020-01-11-45	University of Delaware	Mid-Atlantic Climate Change Education Conference	\$7,225	\$0	\$0
164	2020-01-11-46	University of Delaware	Preservation of Classical Music Historical Recordings FY20	\$0	\$0	\$10,000
165	2020-01-11-47	University of Delaware	Port of Albany-Rensselaer Sturgeon Monitoring Project	\$0	\$0	\$79,648
166	2020-01-11-48	University of Delaware	Developing Live Load Distribution Formulas for Cast-in-Place Culverts in Louisiana	\$0	\$0	\$80,001

167	2020-01-11-49	University of Delaware	SkyC: A Facility Bringing the Fast Moving Fast Changing Sky to the Astronomical Community	\$0	\$0	\$171,534
168	2020-01-11-50	University of Delaware	Impact of "Smart" Self-Monitoring Tools on Outcomes of the National Diabetes Prevention Program (NDPP): YMCA Model	\$0	\$0	\$539,088
169	2020-01-11-51	University of Delaware	Virtual World Preparation of "Diabetes Prevention Ambassadors" to Support Community-Based Real-World Diabetes Prevention Efforts	\$0	\$0	\$208,828
170	2020-01-11-52	University of Delaware	Ultra-High Energy Particle Astrophysics with Anita-4 Co-I	\$19,735	\$0	\$0
171	2020-01-11-53	University of Delaware	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	\$488,219	\$0	\$0
172	2020-01-11-54	University of Delaware	Priority 1: Rescue, Preservation and Maintaining Access to Geological Samples and Data at Delaware Geological Survey/ Priority 2: Regional Minerals Workshop	\$77,294	\$0	\$0
173	2020-01-11-55	University of Delaware	Plant Mediated Controls on Carbon Dioxide Exchange and Methane Emissions within a Coastal Mid-Atlantic Salt Marsh in the Face of Environmental Change	\$103,004	\$0	\$0
174	2020-01-11-56	University of Delaware	Delaware Pilot Study of the Lions Quest 12-Week Prevention Program	\$0	\$0	\$77,568
175	2020-01-11-57	University of Delaware	Modeling and Analysis of Sensorimotor Dynamics in Inter-leg Coupling Leads to Novel Model-based Approach to Human Gait Rehabilitation	\$0	\$0	\$130,142
176	2020-01-11-58	University of Delaware	The Surface and Subsurface Mechanics of Lubrication Failure: Toward Fuel Flexibility in Military	\$256,965	\$0	\$0
177	2020-01-11-59	University of Delaware	Amendment #4 Supplement to CES-RWJF Culture of Health	\$0	\$0	\$23,121
178	2020-01-11-60	University of Delaware	Examining Neural Sequelae of Childhood Deprivation and Abuse	\$0	\$0	\$2,000
179	2020-01-11-61	University of Delaware	NSF Collaborative Research: Expanding Reach of Industrial Career Training for Graduate Students	\$37,840	\$0	\$0
180	2020-01-11-62	University of Delaware	YIP: Realizing Large-Scale Integrated RF Photonic Signal Processing Systems	\$0	\$0	\$26,738
181	2020-01-11-63	University of Delaware	HHS DATI FY2020 Delaware Assistive Technology Initiative	\$31,027	\$0	\$0
182	2020-01-11-64	University of Delaware	Christiana Care Health Care Services Research Amendment 7A	\$0	\$0	\$42,047
183	2020-01-11-65	University of Delaware	Exploring the Space of CHO Extracellular Vesicles (EVs) & their Potential Applications	\$0	\$0	\$44,999
184	2020-01-11-66	University of Delaware	Lynen Fellowship Host Contribution: General Number and the DP/NP Question	\$50,262	\$0	\$0
185	2020-01-11-67	University of Delaware	Evoked Category Representations	\$12,030	\$0	\$0
186	2020-01-11-68	University of Delaware	Speech and Communicative Timing Across Linguistic Contexts	\$308,650	\$0	\$0
187	2020-01-11-69	University of Delaware	CY2020 ONR Ship Support	\$1,068,815	\$0	\$0

188	2020-01-11-70	University of Delaware	Bill and Melinda Gates Foundation, Professional Learning Partnership Study	\$0	\$0	\$203,680
189	2020-01-11-71	University of Delaware	Towards a Range-wide Understanding of Atlantic Sturgeon Migratory Patterns: Integrating Telemetry and Genetics for DPS-specific Insights	\$350,995	\$0	\$0
190	2020-01-11-72	University of Delaware	Smartwind: A Data-Driven Software for Wake Steering Via Yawn Control	\$0	\$0	\$226,107
191	2020-01-11-73	Delaware Technical Community College	Expanding Employer Engagement and Student Work Opportunities	\$0	\$0	\$500,000

Revised 1/21/2020

Delaware State Clearinghouse Committee
February Agenda
February 25, 2020

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Federal	Positions State	Other
New Business*									
1	4331	Department of Health and Social Services, Public Health, Community Health	Water System Supervision	\$541,000	\$329,816	\$0	7.50	6.85	0.00
2	4335	Department of Health and Social Services, Public Health, Community Health	Environmental Protection Agency Multipurpose Grant	\$58,544	\$0	\$0	0.00	0.00	0.00
3	4336	Department of Health and Social Services, Administration, Office of the Secretary	Delaware Health Insurance Individual Market Stabilization	\$20,000,000	\$0	\$0	0.00	0.00	0.00
4	4334	Department of Health and Social Services, State Service Centers	Foster Grandparent Program Grant	\$547,546	\$56,442	\$0	0.50	0.50	0.00
Continued									
1	4332	Executive, Criminal Justice, Criminal Justice Council	Victims of Crime Assistance Grant (VOCA)	\$7,008,130	\$132,706	\$1,531,725	11.50	0.75	0.00
2	4329	Legal, Department of Justice	Victims Compensation Assistance	\$738,000	\$0	\$0	0.00	0.00	0.00
3	4323	Department of Health and Social Services, Public Health, Community Health	Title X Family Planning Services	\$2,857,208	\$563,563	\$0	4.00	5.80	0.00
4	3723 Amendment	Department of Services for Children, Youth and their Families, Family Services, Intervention/Treatment	Title IV-E Adoption Assistance	\$471,564	\$471,564	\$0	0.00	0.00	0.00
5	4257 Amendment	Department of Safety and Homeland Security, State Police, Traffic	Motor Carrier Safety Assistance Program - (Revised FTE/Personnel Summary)	\$0	\$0	\$0	-0.05	0.05	0.00
6	2020-01-28-01	Las Americas ASPIRA Academy Charter School	Las Americas ASPIRA Academy Expansion to High School	\$0	\$0	\$150,000	0.00	0.00	0.00
Higher Education									
1	2020-02-01-01	Delaware State University	RII Track -2 FEC: Nanoscale Interactions: Harnessing Big Data for the Study Nanoparticles Efficacy and Ecotoxicity in Biological Ecosystems	\$999,925	\$0	\$0			
2	2017-10-07-11	Delaware State University	Wound Healing: Characterizing the Effect of Clinical Pseudomonas Aeruginosa on Diabetic Foot Ulcers	\$24,730	\$0	\$0			
3	2020-02-01-02	Delaware State University	Quantitative Image Analysis for Biomarkers of Ageing and Metabolic Disease	\$431,278	\$0	\$0			
4	2020-02-01-03	Delaware State University	Biogen Seminar in the Biological Sciences	\$0	\$0	\$4,380			
5	2020-02-01-04	Delaware State University	Development of Region-based Image Registration and Change Detection Techniques for Mapping Natural Disasters	\$93,000	\$0	\$0			
6	2020-02-01-05	Delaware State University	Ultra-High Precision Sensing and Constraining Isotopic Ratios of Oxygen, Carbon and Water Vapor for Landed Mars Mission	\$92,953	\$0	\$0			
7	2020-02-01-06	Delaware State University	Engaging and Versatile Educational Supplements to Enhance Student Training and Interest in Research	\$366,177	\$0	\$0			
8	2020-02-08-01	University of Delaware	High Temperature Sensor Based on Gan High Electron Mobility Transistors for Long Duration Venus Surface Operations	\$67,056	\$0	\$0			

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

9	2020-02-08-02	University of Delaware	PFI;Bic-Aspire; Hierarchical Control of a Smart Ankle-Foot Prosthesis that Supports Increased Mobility for Real-life Activities	\$465,712	\$0	\$0
10	2020-02-08-03	University of Delaware	Changing Health and Lifestyle Behaviors of Offspring Following Maternal Bariatric Surgery	\$0	\$0	\$17,252
11	2020-02-08-04	University of Delaware	Investigation of TDRD7 Function in Lens Development and Cataract Pathobiology	\$0	\$0	\$70,000
12	2020-02-08-05	University of Delaware	Characterization of Climate and Criteria Air Pollutant Emissions Before and After Deployment of Renewable Natural Gas Projects	\$0	\$0	\$61,583
13	2020-02-08-06	University of Delaware	Washing with Wisdom: Preventing the Introduction of Microfibers in Delaware's Waters	\$7,590	\$0	\$0
14	2020-02-08-07	University of Delaware	Mobility and Burial of Variable Density Munitions in the Inner Surf and Swash Zones During Controlled Extreme Forcing	\$1,271,366	\$0	\$0
15	2020-02-08-08	University of Delaware	Investigate Potential of Mars and Lunar Resources	\$62,760	\$0	\$0
16	2020-02-08-09	University of Delaware	Soft Ankle Foot Orthosis Using Dielectric Elastomer Actuator, Deafo.	\$162,812	\$0	\$0
17	2020-02-08-10	University of Delaware	Chip Design/Air Force Research Laboratory "Efficient Arrays for Generating Light Emission (Eagle)" Service Agreement, Kiamilev	\$0	\$0	\$2,700
18	2020-02-08-11	University of Delaware	Additive Manufacturing for RF Materials and Antennas	\$0	\$0	\$130,420
19	2020-02-08-12	University of Delaware	Melatonin and Salt on Blood Vessel Function	\$0	\$0	\$5,000
20	2020-02-08-13	University of Delaware	Optics-Free, In-Situ Assays Based on Mechanical Stiffness for Multicellular Constructs	\$400,000	\$0	\$0
21	2020-02-08-14	University of Delaware	Targeted Inclusive Diversity and Equitable Structures (Tides): Advancing Women in Stem at Old Dominion University	\$0	\$0	\$182,066
22	2020-02-08-15	University of Delaware	Minimizing the Food Outbreaks in Space: Understanding Innate Plant Defense Response in Leafy Greens Under Zero Gravity Conditions	\$64,574	\$0	\$0
23	2020-02-08-16	University of Delaware	Collaborative Proposal: Overcoming Thermodynamic Limits to Enhance P-Type Doping and Carrier Lifetime in CDTE Thin Film Photovoltaics	\$220,542	\$0	\$0
24	2020-02-08-17	University of Delaware	Automated Spectral X-Ray Imaging System for Identification and Location of Retained Surgical Items	\$190,284	\$0	\$0
25	2020-02-08-18	University of Delaware	Fructose Exacerbates Dietary Carcinogen, Phip, Induced Colon Carcinogenesis by Suppressing Hepatic Carcinogen Metabolism in Humanized Mice: A Time Course Study	\$0	\$0	\$100,840
26	2020-02-08-19	University of Delaware	Microrna Regulation of Mesodermal Cell Fate	\$0	\$0	\$10,000
27	2020-02-08-20	University of Delaware	Transcriptional Regulation of Mir-1 and its Regulatory Role in Development	\$0	\$0	\$10,000
28	2020-02-08-21	University of Delaware	An Evaluation of Deer Monitoring Techniques for Estimating White-Tailed Deer Abundance	\$130,390	\$0	\$0
29	2020-02-08-22	University of Delaware	Software Tools for the Mitigation of Wind Turbine Interference in the U.S. LOOS Network	\$0	\$0	\$33,585

30	2020-02-08-23	University of Delaware	Bio-Based and Biodegradable Polymer Electronics	\$0	\$0	\$5,000
31	2020-02-08-24	University of Delaware	Adversarial Learning to Learn: Modeling Uncertainty and Dynamics with Explainability	\$0	\$0	\$5,000
32	2020-02-08-25	University of Delaware	PhD Graduate Student Funding Plan - Luisa Palmese	\$0	\$0	\$9,500
33	2020-02-08-26	University of Delaware	Substance Use Disorder (SUD) Curriculum Delivery	\$0	\$0	\$4,630
34	2020-02-08-27	University of Delaware	Cardiovascular Responses to Exercise in Perimenopausal Women	\$0	\$0	\$5,000
35	2020-02-08-28	University of Delaware	Investigating Inter-organelle Communication in Prostate Cancer	\$1,879,320	\$0	\$0
36	2020-02-08-29	University of Delaware	West End Neighborhood House Pade 19/20 Partner Organization	\$0	\$0	\$12,500
37	2020-02-08-30	University of Delaware	Permafrost Modeling in the Dry Andes, Argentina	\$0	\$0	\$14,000
38	2020-02-08-31	University of Delaware	MRT: Development of Ccpflex - A Multi-Function, Modular Platform for Next-Generation Conductivity Concentration Profilers	\$0	\$0	\$114,334
39	2020-02-08-32	University of Delaware	Using Satellite and Deep Ocean Measurements to Investigate the Influence of Mesoscale Eddies on Deep Ocean Internal Waves	\$116,436	\$0	\$0
40	2020-02-08-33	University of Delaware	Sel Navigator: The Design and Development of a Telemetric Social Emotional Learning Dashboard	\$608,516	\$0	\$0
41	2020-02-08-34	University of Delaware	Digital Manufacturing Development (D-Mand)	\$563,143	\$0	\$0
42	2020-02-08-35	University of Delaware	Collaborative Research: Inclusion, Intersectionality and Legal Consciousness in Law-like University Practices	\$88,357	\$0	\$0
43	2020-02-08-36	University of Delaware	Examining the Global Ocean Vertical Salt Transport with a Dynamically Consistent Ocean State Estimate	\$46,610	\$0	\$0
44	2020-02-08-37	University of Delaware	Act Early Ambassador	\$0	\$0	\$3,360
45	2020-02-08-38	University of Delaware	MRI: Development of an Instrument for Understanding and Modeling the Multi-Level Mechanisms of Human Gait	\$786,482	\$0	\$0
46	2020-02-08-39	University of Delaware	Division of Health and Human Services, Admin. for Children and Families, Administration on Developmental Disabilities, Center for Disabilities (Yr 2 of 5 Year Grant)	\$103,695	\$0	\$0
47	2020-02-08-40	University of Delaware	A Comprehensive, Community-engaged Risk Assessment of Soil Contamination In Coastal Delaware Environmental Justice Communities	\$1,662,422	\$0	\$0
48	2020-02-08-41	University of Delaware	Modular Design of Co2 Electrolysis Reactor System for Chemical Production	\$0	\$0	\$335,371
49	2020-02-08-42	University of Delaware	Delaware SBDC Cooperative Agreement Fy19-20	\$173,293	\$0	\$0
50	2020-02-08-43	University of Delaware	Sex Differences in Subclinical CVD, Subclinical Brain Pathology, and Cognitive Function	\$0	\$0	\$269,879

51	2020-02-08-44	University of Delaware	Protect the Flock - Improving Biosecurity through Vehicle Disinfection	\$0	\$0	\$35,461
52	2020-02-08-45	University of Delaware	Richenthal Foundation Support for Garden Robbins 2020	\$0	\$0	\$7,500
53	2020-02-08-46	University of Delaware	Predictors and Mechanisms of Post-Concussion Musculoskeletal Injuries	\$0	\$0	\$947,753
54	2020-02-08-47	University of Delaware	AI Institute: Planning: Scalable and Trustworthy AI for Critical Decision Support	\$0	\$0	\$18,750
55	2020-02-08-48	University of Delaware	NRI: Int: Collab: Anthropomorphic Robotic Ankle Prosthesis with Programmable Materials	\$582,965	\$0	\$0
56	2020-02-08-49	University of Delaware	The Evaluation of Ocean Reanalyses in their Determining Trends in Global Ocean Heat Content with a Novel Method	\$110,766	\$0	\$0
57	2020-02-08-50	University of Delaware	CC* Team: Accelerating Collaborative Computational and Data-Intensive Research Across the Delaware Region	\$875,000	\$0	\$0
58	2020-02-08-51	University of Delaware	Inference in Atherosclerotic Plaques from Serial Ultrasound Images	\$0	\$0	\$35,000
59	2020-02-08-52	University of Delaware	AI Institute: Center for Artificial Intelligence in Polymer Chemistry (Aipoly)	\$0	\$0	\$1,345,922
60	2020-02-08-53	University of Delaware	Collaborative Research: Phytoplankton Evolution and Diversification of the Marine Biosphere	\$407,476	\$0	\$0
61	2020-02-08-54	University of Delaware	Collaborative Research: Modulation of Langmuir Turbulence by Coherent Structures in the Atmospheric Surface Layer through Computer Simulations and Laboratory Measurements	\$362,922	\$0	\$0
62	2020-02-08-55	University of Delaware	FMITF: Track II: Usability, Robustness, and Performance Improvements for CIVL	\$65,182	\$0	\$0
63	2020-02-08-56	University of Delaware	CC* Team: Careers: Cyberteam to Advance Research and Education in Eastern Regional Schools	\$0	\$0	\$86,224
64	2020-02-08-57	University of Delaware	Sex-Based Muscular Adaptations, Capillary Dysfunction and Functional Decline Impact Knee-related Psychosocial Outcomes After Acute Knee Injury (Smack)	\$0	\$0	\$77,595
65	2020-02-08-58	University of Delaware	Gait-Based Objective Feedback to Optimize Rehabilitation Therapy (Go Forth)	\$0	\$0	\$551,113
66	2020-02-08-59	University of Delaware	FY2020 State Water Resources Research Institute Program for Delaware	\$123,500	\$0	\$0
67	2020-02-08-60	University of Delaware	RII Track-2 Fec: Multistate Data Science Initiative for Addressing the Opioid Epidemic	\$0	\$0	\$1,150,547
68	2020-02-08-61	University of Delaware	Collaborative Research: Polynyas in Coastal Antarctica (Pica): Linking Physical Dynamics to Biological Variability	\$35,626	\$0	\$0
69	2020-02-08-62	University of Delaware	NRT-QL: Interdisciplinary Graduate Degree Program in Quantum Science and Engineering	\$2,528,893	\$0	\$0
70	2020-02-08-63	University of Delaware	Collaborative Research: Accelnet: A Global Network for Radar Surveillance of Animal Movement	\$8,347	\$0	\$0
71	2020-02-08-64	University of Delaware	Multimodal Closed-loop Sci Recovery System	\$0	\$0	\$299,821

72	2020-02-08-65	University of Delaware	Predictive Approaches for Stability of Therapeutic Proteins	\$0	\$0	\$70,259
73	2020-02-08-66	University of Delaware	Drug Discovery Platform for Sepsis by Direct and Live Monitoring of Endothelial Permeability In Vitro	\$0	\$0	\$278,827
74	2020-02-08-67	University of Delaware	AI Institute: Learning How to Represent, Reason and Act	\$0	\$0	\$313,507
75	2020-02-08-68	University of Delaware	Polymer-Free Durable Carbon Nanotube (CNT) Film Membrane	\$45,000	\$0	\$0
76	2020-02-08-69	University of Delaware	CC* Integration-Large: Data-Centric and Science-Driven Software-Defined Smart Stadium	\$758,710	\$0	\$0
77	2020-02-08-70	University of Delaware	MRI: Development of an Integrated Instrument for Testing Safety and Robustness of Robotic Co-Workers in Dynamic Environments	\$1,392,031	\$0	\$0
78	2020-02-08-71	University of Delaware	Exploring, Identifying, and Assessing Dressing ADL Challenges for Families of Young Adults With Moderate to Severe Cerebral Palsy	\$366,648	\$0	\$0
79	2020-02-08-72	University of Delaware	Temperature Profile Refinement and Centrifugal Spit Separation for Commercial-Scale Evaporation Sources	\$0	\$0	\$6,896
80	2020-02-08-73	University of Delaware	Supporting Teachers to Teach Mathematics through Problem Posing	\$0	\$0	\$231,360
81	2020-02-08-74	University of Delaware	Epscor Track II FEC - Harnessing Open Environmental Data to Understand a Crowded Sky	\$0	\$0	\$1,306,156
82	2020-02-08-75	University of Delaware	Identification of an Innate Activator of Intracellular Mg2+ Dynamics to Integrate Cellular Metabolism	\$0	\$0	\$78,082
83	2020-02-08-76	University of Delaware	Office of Education - Student Support Services Program - 2020-2025	\$312,493	\$0	\$0
84	2020-02-08-77	University of Delaware	Adaptation and Evaluation of a Novel Health Game to Support Healthy Aging	\$0	\$0	\$218,130
85	2020-02-08-78	University of Delaware	University of Delaware Prison Research and Innovation Network	\$0	\$0	\$86,956
86	2020-02-08-79	University of Delaware	Design and Evaluation of a Feeder Mounted Aerosol Spray Vaccine Application System	\$0	\$0	\$54,220
87	2020-02-08-80	University of Delaware	Collaborative Research: Dry Rifting in the Albertine-Rhino Graben (Driar), Uganda	\$483,897	\$0	\$0
88	2020-02-08-81	University of Delaware	A Novel Approach to Sanitize Fresh Produce, Food-contact Surfaces, and Wash Water Using Micro/Nanobubbles	\$45,000	\$0	\$0
89	2020-02-08-82	University of Delaware	RII Track-2 FEC: Large-Scale, Biopsychosocial Approaches to Identifying Factors that Promote and Prevent the Success and Well-Being of Stigmatized Individuals in Stem Pursuits	\$4,501,620	\$0	\$0
90	2020-02-08-83	University of Delaware	The Delaware Center for Musculoskeletal Research	\$7,499,994	\$0	\$0
91	2020-02-08-84	University of Delaware	Renal Cell Carcinoma, Osteocyte Death and Bone Osteolysis: Engineering Approaches to Conquering Bone Metastasis	\$0	\$0	\$824,790
92	2020-02-08-85	University of Delaware	RII Track-2 FEC: The Icecube Epscor Initiative (IEI) - Icecube and the Data Revolution	\$0	\$0	\$1,168,892

93	2020-02-08-86	University of Delaware	Individual Postdoctoral Fellowship from the Endangered Languages Documentation Programme	\$0	\$0	\$196,463
94	2020-02-08-87	University of Delaware	Collaborative Research:Accelnet: Advancing Understanding of the Relationships Between Genome and Phenome	\$464,705	\$0	\$0
95	2020-02-08-88	University of Delaware	Developmental Trajectories of Balance and Brain in Children with Cerebral Palsy	\$2,617,994	\$0	\$0
96	2020-02-08-89	University of Delaware	Energy Efficiency Study at Comcast, Inc.	\$0	\$0	\$34,681
97	2020-02-08-90	University of Delaware	Examining the Feasibility of a Food Skills Intervention on Obesity Prevention and Diet Quality in Adults	\$0	\$0	\$5,000
98	2020-02-08-91	University of Delaware	Estimating Nelsons Sparrows Reproductive Success at Mendall Marsh, Maine	\$0	\$0	\$114,605
99	2020-02-08-92	University of Delaware	Malware Analysis to Generate Important Capabilities	\$45,000	\$0	\$0
100	2020-02-08-93	University of Delaware	Adaptation to Age-related Physiological Changes to the Neural Feedback Control for Upright Balance During Walking	\$395,569	\$0	\$0
101	2020-02-08-94	University of Delaware	Career: Functional Analysis of Micromnas in Early Development	\$934	\$0	\$0
102	2020-02-08-95	University of Delaware	Factors Affecting Glycemic Variability Among Emerging Adult Couples Managing Type 1 Diabetes	\$0	\$0	\$130,143
103	2020-02-08-96	University of Delaware	Cardiovascular Consequences of Duchenne and Becker Muscular Dystrophinopathies	\$2,158,866	\$0	\$0
104	2020-02-08-97	University of Delaware	Improving Access to Mental Health Care for People with Parkinson's Disease and Caregivers in the State of Delaware	\$0	\$0	\$25,000
105	2020-02-08-98	University of Delaware	Proactive Data Management for Edge Computing	\$0	\$0	\$57,681
106	2020-02-08-99	University of Delaware	A 3-faculty Team from the UD, the Center for the Study and Prevention of Gender-Based Violence in Collaboration with Faculty from BHAN & HDFS Proposes to Provide Evaluation Support to the DCADV Community Health Advocate Program.	\$0	\$0	\$46,429
107	2020-02-09-01	University of Delaware	Front Page Cage (Gwen Florio)	\$0	\$0	\$1,600
108	2020-02-09-02	University of Delaware	Ascent: Co-architecting Functional Nanodevice and Probabilistic AI Architectures for High Performance Decision Making Under Uncertainty	\$360,976	\$0	\$0
109	2020-02-09-03	University of Delaware	NIH/R01 Bleakley Weighing the Good and the Bad: How Protective and Risky Media Content Affect Youth Substance Use Behaviors	\$2,280,657	\$0	\$0
110	2020-02-09-04	University of Delaware	The Goldilocks Approach to Educating Trauma-Exposed Students: Testing a Tiered System of Support to Address Trauma	\$0	\$0	\$117,375
111	2020-02-09-05	University of Delaware	Particle Astrophysics with the Payload for Ultrahigh Energy Observations (Pueo): A Next Generation Long-Duration Balloon-Borne Instrument for the Cosmic High Energy Frontier	\$0	\$0	\$84,536
112	2020-02-09-06	University of Delaware	GCR: Collaborative Research: Fine-Grain Generation of Multiscale Patterns in Programmable Organoids Using Microrobots	\$839,924	\$0	\$0
113	2020-02-09-07	University of Delaware	Collaborative Research: GCR: A Sociotechnical System Framework for Energy-Efficient Mobility	\$1,284,778	\$0	\$0

114	2020-02-09-08	University of Delaware	Research Collaboration: Accelnet: Nexus for the Universe from the Solar System to Cosmology: The Legacy Survey of Space and Time Science Collaborations N2N	\$987,759	\$0	\$0
115	2020-02-09-09	University of Delaware	Functional Characterization of the Human Retina-Specific Abca4 Transporter in Virus-Like Particles	\$0	\$0	\$2,500
116	2020-02-09-10	University of Delaware	Connections from Non-Commutative Functional Analysis	\$0	\$0	\$35,000
117	2020-02-09-11	University of Delaware	Experimental-computational Approach to Unraveling the Effect of Aging on Balance Control in Walking	\$1,984,179	\$0	\$0
118	2020-02-09-12	University of Delaware	Mid-Atlantic Gliders Supporting Hurricane Intensity forecasts	\$652,803	\$0	\$0
119	2020-02-09-13	University of Delaware	Validating the Recognizing Excellence in Learning and Teaching Tool for Special Education Classroom Observation for Use by School Practitioners	\$0	\$0	\$421,039
120	2020-02-09-14	University of Delaware	Spencer Research Practice Partnerships: RPP: Better (Building Entrepreneurship Through Targeted Evaluation and Research).	\$0	\$0	\$319,246
121	2020-02-09-15	University of Delaware	Implementation of Function and Behavior Focused Care for Assisted Living Residents with Dementia	\$0	\$0	\$428,356
122	2020-02-09-16	University of Delaware	NRT-ROL: Deciphering the Microbial Rules of Life	\$2,422,691	\$0	\$0
123	2020-02-09-17	University of Delaware	Collaborative Research: EHR-Polar Dcl: Addressing the Technical and Narrative Challenges in the Undergraduate Geoscience Classroommechanical and Narrative Challenges in the Undergraduate Science Classroom	\$160,472	\$0	\$0
124	2020-02-09-18	University of Delaware	Bill Design: River Corridors in the Anthropocene: Cascading Effects on Biotic Communities - Microbes to Forests, Soils to Streams, and Minutes to Millennia	\$139,999	\$0	\$0
125	2020-02-09-19	University of Delaware	Collaborative Research: Accelnet: Using International Networking to Promote Understanding and Predictions of Plant-Microbe-Arthropod Interactions	\$485,687	\$0	\$0
126	2020-02-09-20	University of Delaware	Modeling and Analysis of Waves in Complex Media	\$0	\$0	\$35,000
127	2020-02-09-21	University of Delaware	Electromagnetic Interference (EMI) Resilient, Low Noise Figure, Wide Dynamic Range of Radio Frequency to Photonic (RF Photonic) Link	\$0	\$0	\$57,812
128	2020-02-09-22	University of Delaware	Optimizing Production of a Dinoflagellate-specific Bacterial Algicide for Control of Karenia Brevis	\$0	\$0	\$89,380
129	2020-02-09-23	University of Delaware	Quantifying Short and Long Term Adverse Effects of Radiofrequency Ablation for Facet Joint Pain	\$0	\$0	\$324,224
130	2020-02-09-24	University of Delaware	Forecasting Potential Interactions Between Atlantic Sturgeon and Wind-Power Development in the Mid-Atlantic	\$135,000	\$0	\$0
131	2020-02-09-25	University of Delaware	Deriving a Dynamic Global Marine Biodiversity Index from Modis Aqua and Suomi Npp Viirs; Implications for Ecosystem Health and Economic Value of the Changing Oceans	\$135,000	\$0	\$0
132	2020-02-09-26	University of Delaware	GCR: Henswear - Garment-Aided Rehabilitation and Assistance of Upper Extremity Movements	\$2,322,705	\$0	\$0
133	2020-02-09-27	University of Delaware	Scalable Biological Conversion of Co2 From Industrial Effluents to C4-C6 Chemicals	\$625,001	\$0	\$0
134	2020-02-09-28	University of Delaware	Venturewell Spin in 360vr Fy20	\$0	\$0	\$5,000

135	2020-02-09-29	University of Delaware	Rhode Island Public Health Institute's "What Makes Cross-sector Alignment Work? Understanding Factors that Influence Success in Rhode Island Health Equity Zone Initiative."	\$0	\$0	\$32,872
136	2020-02-09-30	University of Delaware	Core Research Program, Adaptable Sensors for Shipping Container Screening	\$0	\$0	\$34,450
137	2020-02-09-31	University of Delaware	High Performance Radiation Hardened Gan High Electron Mobility Transistors on Silicon Substrate for Space Applications	\$62,499	\$0	\$0
138	2020-02-09-32	University of Delaware	NNA Track 1: Collaborative Proposal: Wastewater Disposal Challenges Facing Remote Communities and Northern Ecosystems in a Changing Arctic	\$678,192	\$0	\$0
139	2020-02-09-33	University of Delaware	Accelnet: US-Japan Digital Innovation (DI) Hub Linkage to Society 5.0	\$600,000	\$0	\$0
140	2020-02-09-34	University of Delaware	Processing Speech in Noise: What Eye-gaze and Brain Responses Can Tell Us about the Relation between the Listening Environment and Language Outcomes in Bilingual Infants at Risk for Language Disorders	\$281,128	\$0	\$0
141	2020-02-09-35	University of Delaware	Cross-Language Influence in Early Comprehension of DLLS from Mandarin-and Spanish-speaking Homes	\$2,626,822	\$0	\$0
142	2020-02-09-36	University of Delaware	Promoting Independence with Compensatory Cognitive Rehabilitation: A Pilot Clinical Trial for Early-Stage Alzheimers Disease	\$826,447	\$0	\$0
143	2020-02-09-37	University of Delaware	Evaluation of a Portable Electromyography Biofeedback Device and its Effect on Gait and Associated Cortical Activity in Stroke Patients	\$0	\$0	\$10,000
144	2020-02-09-38	University of Delaware	Fostering Local Strategic Outreach: Wind Energy Challenges and Opportunities in Worcester and Sussex Counties Phase III	\$0	\$0	\$51,897

Posted: 2/19/2020

Delaware State Clearinghouse Committee
March Agenda
Meeting to be Held via WebEx
WebEx Meeting Information/Instructions Attached
April 1, 2020 @ 10:00am

<i>Item</i>	<i>SAH#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
New Business*									
1	4357	Department of State, Veterans Home	Emergency Generator	\$1,129,599	\$608,245	\$0	0.00	0.00	0.00
2	2020-01-29-02	Department of State, Historical and Cultural Affairs	John Dickinson Plantation Master Plan Implementation	\$0	\$0	\$150,000	0.00	0.00	0.00
3	4352	Department of Health and Social Services, Public Health, Community Health	Chronic Disease Self-Management Education	\$299,160	\$0	\$0	0.00	0.00	0.00
4	4412	Department of Health and Social Services, Public Health, Community Health	Hospital Preparedness Program - Families First COVID-19	\$212,582	\$0	\$0	0.00	0.00	0.00
5	4407	Department of Health and Social Services, Community Services, Services for Aging and Adults with Physical Disabilities	Title III Congregate Meals - Families First COVID-19	\$400,000	\$0	\$0	0.00	0.00	0.00
6	4408	Department of Health and Social Services, Community Services, Services for Aging and Adults with Physical Disabilities	Title III Home Delivered Meals - Families First COVID-19	\$800,000	\$0	\$0	0.00	0.00	0.00
7	4340	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-88-L-1 State Fisheries Lands Enhancement	\$143,430	\$47,810	\$0	0.00	0.02	0.00
8	4351	Sussex Academy of Arts and Sciences	Community Facility Loan and Grant Program	\$50,000	\$0	\$178,900	0.00	0.00	0.00
Continued									
1	4356 Now 4385	Executive, Criminal Justice, Criminal Justice Council	Childrens Justice Act Grant	\$89,008	\$0	\$0	0.00	0.00	0.00
2	4350	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	State Health Insurance Assistance Program	\$1,042,405	\$0	\$0	2.00	0.00	0.00
3	3900 Amendment	Department of Health and Social Services, Public Health, Community Health	Public Health Crisis Response (Families First COVID-19)	\$4,567,500	\$0	\$0	0.00	0.00	0.00
4	4325	Department of Health and Social Services, Public Health, Community Health	Medical Monitoring Project (MMP)	\$1,933,705	\$0	\$0	1.30	0.00	0.00
5	4353	Department of Health and Social Services, Public Health, Community Health	Tobacco Control and Prevention	\$112,974	\$0	\$0	5.00	0.00	0.00
6	4358	Department of Health and Social Services, Public Health, Community Health	First Responders - Comprehensive Addiction & Recovery Act (Resubmitted w/position adjustment.)	\$0	\$0	\$0	0.25	0.20	0.00
7	4286	Department of Health and Social Services, Public Health, Community Health	Sexual Violence Prevention and Education	\$0	\$25,217	\$0	0.00	0.50	0.00
8	4349	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Adoption Incentive Payment Program	\$137,000	\$0	\$0	0.00	0.00	0.00
9	4337	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-84-R-3 Structure Oriented Fish Assessment Program	\$81,375	\$27,125	\$0	0.05	0.20	0.00
10	4347	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-83-D-2 Cape Henlopen Fishing Pier	\$300,000	\$100,000	\$0	0.00	0.00	0.00
11	2511 Amendment	Department of Natural Resources and Environmental Control, Office of the Secretary, Energy and Climate	Clean Cities Coalition Programmatic Support	\$20,000	\$0	\$0	0.00	0.00	0.00
12	4346	Department of Labor, Employment Training, Employment and Training Services	Work Opportunity Tax Credit (WOTC)	\$71,932	\$0	\$0	0.05	0.00	0.00
13	4341	Department of Agriculture, Animal Health	Animal Disease Traceability	\$4,646	\$0	\$0	0.00	0.00	0.00
14	4342	Department of Agriculture, Animal Health	Umbrella National Surveillance	\$245,235	\$0	\$0	0.00	0.00	0.00

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

Higher Education

1	2020-03-08-01	Delaware State University	Single-Step Preparation of Polymer/Metal-Organic Framework Membranes: Electrospinning Fabrication and Application for Hazardous Gas Capture	\$371,244	\$0	\$0
2	2020-03-08-02	Delaware State University	Settlers of the Milky Way: An Astrobiology Modeling Project to Increase Student Engagement and Confidence in Mathematics and Science	\$234,098	\$0	\$0
3	2020-03-08-03	Delaware State University	Active Minds Chapter Development Grant	\$0	\$0	\$250
4	2020-03-08-04	Delaware State University	Ethical Communication in STEM Research: International and North American Scholars Negotiating Diversity	\$75,614	\$0	\$0
5	2020-03-08-05	Delaware State University	Evolved RNA Recognition Motifs for Therapeutic and Gene Editing Applications	\$438,000	\$0	\$0
6	2020-03-08-06	Delaware State University	The Neuropathology of Cerebellum in Spinal Muscular Atrophy	\$437,967	\$0	\$0
7	2020-03-08-07	Delaware State University	Investigating the Regulatory Role of TDP-43 on Neuroinflammation in the Development of Amnesic and Non-Amnesic Dementia	\$620,500	\$0	\$0
8	2020-03-08-08	Delaware State University	Mitochondrial TDP-43 and the Role it Plays in Neurodegeneration	\$430,201	\$0	\$0
9	2020-03-08-09	Delaware State University	An Experiential Learning Opportunity in the Performing Arts and DSU for Summer 2020	\$0	\$25,000	\$0
10	2020-03-08-10	Delaware State University	New Tools to Find Corresponding Ages Across the Lifespan of Human and Model Organisms	\$1,999,785	\$0	\$0
11	2020-03-08-11	Delaware State University	BP-ENDURE: Advanced Training in Human Neuroscience	\$127,493	\$0	\$0
12	2020-03-08-12	Delaware State University	An Interdisciplinary Certificate Program in Bio-imaging and Bio-photonics to Strengthen Research and Doctorial Training	\$99,518	\$0	\$0
13	2020-03-08-13	Delaware State University	Advancing Future Food Scientists through Summer Programs	\$149,933	\$0	\$0
14	2020-03-08-14	Delaware State University	Assessment of New Technologies for Post-Harvest Oyster Purification	\$71,837	\$0	\$0
15	2020-03-08-15	Delaware State University	An Institute: CropSmart Institute--AI-driven Automation of Science-based Decision Making in Crop Production for Enhancing Farming Profitability, Productivity and Sustainability	\$389,727	\$0	\$0
16	2020-03-25-01	Delaware State University	ACCEL: Delaware Clinical and Translational Research Center (State Award)	\$0	\$114,000	\$0
17	2020-03-07-01	University of Delaware	Student Leaders Program In the Middle East and North Africa	\$0	\$0	\$162,721
18	2020-03-07-02	University of Delaware	Collaborative Research: Wave Dynamics on Rocky Shorelines	\$259,809	\$0	\$0
19	2020-03-07-03	University of Delaware	Activity Modification for Adolescents with Calcaneal Apophysitis	\$0	\$0	\$2,500
20	2020-03-07-04	University of Delaware	Supporting Healthy Language Development in Infants with Cochlear Implants by Tracking Neurodevelopment and Vocabulary Growth Post Implantation	\$0	\$0	\$44,601

21	2020-03-07-05	University of Delaware	Software Tool to Count Small Warehouse Parts Using Computer Vision and Machine Learning	\$0	\$0	\$9,404
22	2020-03-07-06	University of Delaware	Telehealth Services and Peer Support	\$0	\$0	\$12,891
23	2020-03-07-07	University of Delaware	Eavesdropping Security for Classified Conversations	\$0	\$0	\$12,891
24	2020-03-07-08	University of Delaware	Establishing the Role of Metabolites in HIV-1 Capsid Assembly and Maturation	\$0	\$0	\$117,000
25	2020-03-07-09	University of Delaware	Collaborative Research: GEM: Transition from Ion-Coupled to Electron-Only Reconnection	\$178,320	\$0	\$0
26	2020-03-07-10	University of Delaware	Testing the Fidelity of Neodymium Isotopes as a Paleocirculation Tracer in the Southeast Indian-Southern Ocean	\$23,194	\$0	\$0
27	2020-03-07-11	University of Delaware	Optics-Free, In-Situ Assays Based on Mechanical Stiffness for Multicellular Constructs	\$400,000	\$0	\$0
28	2020-03-07-12	University of Delaware	Information Platform for Emergency Response and Operations	\$0	\$0	\$13,020
29	2020-03-07-13	University of Delaware	ECO-CBET Preliminary Proposal: Integrated Approach of CO2 Capture and Conversion to Carbon Fuels Using Membrane-based Technology	\$0	\$0	\$261,350
30	2020-03-07-14	University of Delaware	Optimized Structural Battery Energy Storage System	\$0	\$0	\$13,020
31	2020-03-07-15	University of Delaware	NASA Delaware Space Grant College and Fellowship Program Year 1 Augmentation	\$53,572	\$0	\$0
32	2020-03-07-16	University of Delaware	De Novo Biosynthesis and Incorporation of a Non-Standard Amino Acid Containing a Reactive Side Chain	\$195,889	\$0	\$0
33	2020-03-07-17	University of Delaware	Ox-Ox Development and Forming Trials	\$192,307	\$0	\$0
34	2020-03-07-18	University of Delaware	Damage Mechanisms in Fatigued UHMW PE Composites	\$68,589	\$0	\$0
35	2020-03-07-19	University of Delaware	Using Historical Collections for Civic Engagement and Innovative Teaching and Learning	\$0	\$0	\$12,666
36	2020-03-07-20	University of Delaware	Effects of Mesoscale Eddies on Three Dimensional Oil Dispersion:Data Integration, Interpretation and Implications for Oil Spill Models	\$0	\$0	\$104,508
37	2020-03-07-21	University of Delaware	Student Travel Support for the 2020 IEEE/ACM CCGrid Conference	\$20,000	\$0	\$0
38	2020-03-07-22	University of Delaware	Support KIDS COUNT Activities	\$0	\$0	\$86,957
39	2020-03-07-23	University of Delaware	Adaptive Vibration Mitigation for Additive Manufacturing Equipment Using AI	\$0	\$0	\$60,000
40	2020-03-07-24	University of Delaware	Acquisition of Goods and Services	\$2,727	\$0	\$0

41	2020-03-07-25	University of Delaware	Impacts of Prey Resources, Weather and Time of Day on Habitat Use for Wintering Lesser Scaup in the Chesapeake Bay	\$0	\$0	\$122,082
42	2020-03-07-26	University of Delaware	Collaborative Research: Swash Zone Dynamics Driven by Obliquely Incident Waves	\$120,156	\$0	\$0
43	2020-03-07-27	University of Delaware	The Role of Nucleus Basalis Cholinergic Neurons in Avoidance	\$275,000	\$0	\$0
44	2020-03-07-28	University of Delaware	The Role of Sensory Deficits in the Neural Control of Balance during Walking in Parkinson's Disease	\$0	\$0	\$266,881
45	2020-03-07-29	University of Delaware	Cuyahoga County OH ABC Training Roben 20	\$0	\$0	\$17,593
46	2020-03-07-30	University of Delaware	Applied Machine Learning for Social Development of Children with Autism	\$0	\$0	\$50,000
47	2020-03-07-31	University of Delaware	Implementing the Land Bird Monitoring Protocol for the National Park Service Units of the National Capital Region Network	\$226,251	\$0	\$0
48	2020-03-07-32	University of Delaware	Elucidating the Mechanisms of Disparities for Lung Cancer Screening in High-Risk African Americans	\$0	\$0	\$182,762
49	2020-03-07-33	University of Delaware	Reverse Engineering Methods for Elucidating the Molecular Assembly Mechanisms of Thermoresponsive Peptide-Based Conjugates: Computation and Experiment	\$340,829	\$0	\$0
50	2020-03-07-34	University of Delaware	Liquid Composite Molding of Polymer Composites	\$233,181	\$0	\$0
51	2020-03-07-35	University of Delaware	Resilient, Resource-adaptive Multi-sensor Fusion for Persistent Navigation	\$651,899	\$0	\$0
52	2020-03-07-36	University of Delaware	Request for Post-Doctoral Salary Support	\$0	\$0	\$66,751
53	2020-03-07-37	University of Delaware	Planning a Clinical Trial for an Interdisciplinary Treatment Strategy Years After a Knee Injury	\$0	\$0	\$41,610
54	2020-03-07-38	University of Delaware	Media and Democratic Health: An Expert-Derived Roadmap for Effective Solutions	\$0	\$0	\$24,940
55	2020-03-07-39	University of Delaware	Novel CO2 Electrolyzer with High Efficiency and C2-product Selectivity	\$0	\$0	\$187,502
56	2020-03-07-40	University of Delaware	Mechanisms Regulating Tree Stem Methane Production and Transport Across Hydrologic Gradients	\$0	\$0	\$239,049
57	2020-03-07-41	University of Delaware	NNERPP District Research Leaders Network	\$0	\$0	\$34,715
58	2020-03-07-42	University of Delaware	Predicting and Evaluating PAX6 Targets in Aniridia Related Keratopathy	\$0	\$0	\$2,500
59	2020-03-07-43	University of Delaware	Mechanisms Driving Ocular Inflammation Following Cataract Surgery	\$0	\$0	\$2,500
60	2020-03-07-44	University of Delaware	MathByExample 6-8: Supporting Mathematical Proficiency and Executive Functions for Middle School Students	\$0	\$0	\$310,662

61	2020-03-07-45	University of Delaware	Hydrothermal and Microbial Controls on Organic Carbon Mobilization from Guaymas Basin Sediments	\$344,651	\$0	\$0
62	2020-03-07-46	University of Delaware	Collaborative Research: Impacts of Surface Ocean Surfactant Sources and Transformations on their Chemical Composition and Air-Sea Relevant Properties	\$291,076	\$0	\$0
63	2020-03-07-47	University of Delaware	Collaborative Proposal: Gametes to Growth - The Role Of Coral Acclimatization in Discovering Phenotypes that Enhance Thermal Tolerance	\$309,927	\$0	\$0
64	2020-03-07-48	University of Delaware	Neurobiology of Reading Compensation	\$108,533	\$0	\$0
65	2020-03-07-49	University of Delaware	New Rare-Earth-Free Gap Magnets by an Energy Efficient Manufacturing Process	\$0	\$0	\$62,188
66	2020-03-07-50	University of Delaware	The Conserved RNA-Binding Protein Rbm24 Post-Transcriptionally Controls Gene Expression in Early Eye and Lens Development	\$0	\$0	\$2,500
67	2020-03-07-51	University of Delaware	Collaborative Research: Characterization of the Effects of Atmospheric Organics On Lifetime of Aerosol Labile Iron in Surface Ocean	\$165,936	\$0	\$0
68	2020-03-07-52	University of Delaware	Spatial Ecology of Fish Spawning Aggregations and their Transgenerational Connectivity to Reef Habitats	\$2,093,051	\$0	\$0
69	2020-03-07-53	University of Delaware	Transport of Buoyant Material in the Diurnally Stratified Upper Ocean	\$326,279	\$0	\$0
70	2020-03-07-54	University of Delaware	An Electrochemical CO2 Reduction Reactor with a Novel Size Selective Anion Exchange Membrane	\$0	\$0	\$187,502
71	2020-03-07-55	University of Delaware	Central Neural Mechanisms of Mobility Limitations in Older Adults	\$0	\$0	\$132,664
72	2020-03-07-56	University of Delaware	Plasmodesmata and Chloroplasts in Integrative Defense Signaling	\$588,606	\$0	\$0
73	2020-03-07-57	University of Delaware	Laboratory Measurements of Turbulence and Coherent Structures on Bothside of an Wind-Driven Air-Water Interface	\$397,418	\$0	\$0
74	2020-03-07-58	University of Delaware	A Tandem Electrolysis Process for Multi-Carbon Chemical Production from Carbon Dioxide	\$728,750	\$0	\$0
75	2020-03-07-59	University of Delaware	COSMO-CH4: Coordination for Synthesis and Modeling of Regional-to-Global CH4 Dynamics	\$457,041	\$0	\$0
76	2020-03-07-60	University of Delaware	Translating Vesicle-Mediated Delivery of Dystrophin	\$908,633	\$0	\$0
77	2020-03-07-61	University of Delaware	MISSE Testing of Impact-Resistant, Damage-Tolerant Composites with STF Energy Absorbing Layers	\$0	\$0	\$163,437
78	2020-03-07-62	University of Delaware	Determine the Effect of Gravity on Transgenerational Crop Growth	\$364,052	\$0	\$0
79	2020-03-07-63	University of Delaware	Beginning Farmer & Rancher Development Program	\$0	\$0	\$86,433
80	2020-03-07-64	University of Delaware	Mechanism of Aberrant BMP2 Signaling in Osteoblasts from Patients Diagnosed with Osteoporosis	\$1,906,589	\$0	\$0

81	2020-03-07-65	University of Delaware	HNDS-I: Building a Data Infrastructure to Enable Research on Social Media and its Impacts on Adolescents	\$1,051,382	\$0	\$0
82	2020-03-07-66	University of Delaware	Supplemental REU Request for Stochastic Inference and Control of Complex Biological Networks	\$5,000	\$0	\$0
83	2020-03-07-67	University of Delaware	BP-ENDURE: Advanced Research Training in Human Neuroscience	\$1,598,824	\$0	\$0
84	2020-03-07-68	University of Delaware	Longterm Prediction of Morphological Fate of Unexplored Ordnance (UXO) on Steep Shores with Varying Constituent Materials	\$0	\$0	\$68,533
85	2020-03-07-69	University of Delaware	Engineering Dynamic, Heterogeneous in Vitro Extracellular Matrices to Model Progressive Desmoplasia and Early-Stage Invasion in Pancreatic Ductal Adenocarcinoma	\$0	\$0	\$84,000
86	2020-03-07-70	University of Delaware	Neuromuscular Electrical Stimulation for Achilles Tendon Rupture Rehabilitation	\$0	\$0	\$31,028
87	2020-03-07-71	University of Delaware	QOS-Aware 5G Component Selection in Mobile Edge Computing	\$0	\$0	\$115,938
88	2020-03-07-72	University of Delaware	HNDS-I: A Multi-city Urban Observatory Network (MUON) for Comparative Behavioral Dynamics in Cities	\$1,387,819	\$0	\$0
89	2020-03-07-73	University of Delaware	Scientific Challenges and Cost-Effective Management of Risks Associated with Implementation of Produce Safety Regulations	\$0	\$0	\$299,843
90	2020-03-07-74	University of Delaware	Admin Supplement to Decoding the Non-Canonical Polyubiquitin Chains Using Chemical Approaches	\$196,056	\$0	\$0
91	2020-03-07-75	University of Delaware	BME Student Design Collaboration with South Africa	\$0	\$0	\$3,995
92	2020-03-07-76	University of Delaware	Towards a Predictive Framework for Spatially-Explicit Wetland Accretion Over Sea Level Rise	\$0	\$0	\$249,871
93	2020-03-07-77	University of Delaware	Proactive Data Management for Edge Computing	\$0	\$0	\$57,681
94	2020-03-07-78	University of Delaware	Coming of Age on the Autism Spectrum: Theorizing Youth-Family-Educator Decision Making and Identity Formation During the Transition to Adulthood	\$0	\$0	\$24,204
95	2020-03-07-79	University of Delaware	The Onset of Reconnection and Associated Turbulence in Solar Eruptions	\$0	\$0	\$261,039
96	2020-03-07-80	University of Delaware	NRI: FND: Robots Covering Corn Fields for Large-Scale In-Situ Phenotyping	\$510,703	\$0	\$0
97	2020-03-07-81	University of Delaware	Post Transcriptional Control of Gene Expression in the Lens	\$1,250,000	\$0	\$0
98	2020-03-07-82	University of Delaware	Manufacturing Quality and Performance Assessment of Composite External Volumes	\$0	\$0	\$37,500
99	2020-03-07-83	University of Delaware	NASA EPSCoR Research Project: Building a Competitive and Sustainable Delaware Remote Sensing Big Data Center for Cutting-Edge Coastal and Environmental Change Research and Workforce Development	\$484,943	\$0	\$0
100	2020-03-07-84	University of Delaware	NRI: INT: Power Sustainability for Long-term Operation of Co-Robots under Uncertainty	\$978,691	\$0	\$0
101	2020-03-07-85	University of Delaware	Megakaryocyte Membrane-Wrapped Nanoparticles for Targeted Delivery of Sima Cargo to Hematopoietic Stem and Progenitor Cells	\$0	\$0	\$95,000

102	2020-03-07-86	University of Delaware	Measuring Symptom Clusters in People with Sudden-Onset Disabilities	\$249,200	\$0	\$0
103	2020-03-07-87	University of Delaware	The Impact of a Modified Car Intervention on Development, Design and Brain Function	\$2,495,344	\$0	\$0
104	2020-03-07-88	University of Delaware	High-Performance Natural Fiber Composites using the Tailorable Universal Feedstock for Forming (TuFF) Process	\$0	\$0	\$37,500
105	2020-03-07-89	University of Delaware	Predicting the Health Endpoints of QINDPs Using a CFPD-PK Model with the Next-Generation Virtual Elastic Whole Lung	\$0	\$0	\$10,000
106	2020-03-07-90	University of Delaware	Advanced Manufacturing Platform for Gene Therapeutic Production	\$0	\$0	\$46,091
107	2020-03-07-91	University of Delaware	Bottom-Up Assembly of Functional Salivary Gland Tissues	\$2,186,548	\$0	\$0
108	2020-03-07-92	University of Delaware	Implement Level 3 GeMS Schema for all Published DGS geologic Map Files Funded by STATEMAP/Compile 1:24,000 maps of Sussex County, Delaware at a Scale of 1:100,000, Identify & Resolve Edge-matching Issues, with Field Work and Implement on County Map	\$36,071	\$0	\$0
109	2020-03-07-93	University of Delaware	A Novel Bridge Vehicle Impact Protection System Composed of Ductile Cementitious Foams	\$0	\$0	\$9,375
110	2020-03-07-94	University of Delaware	Christiana Care Health Care Services Research Amendment 8A	\$0	\$0	\$58,490
111	2020-03-07-95	University of Delaware	Science and Technology Driven Island Sustainability Workshop	\$0	\$0	\$4,000
112	2020-03-07-96	University of Delaware	Motor Learning in Mild Cognitive Impairment	\$250,000	\$0	\$0
113	2020-03-07-97	University of Delaware	Developing, Implementing and Evaluating a Video-based Lesson Series for Health and Science Educators	\$0	\$0	\$53,709
114	2020-03-07-98	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	\$570,573
115	2020-03-07-99	University of Delaware	Delaware INBRE	\$248,638	\$0	\$0

Revised: March 30, 2020

Delaware State Clearinghouse Committee
April Agenda
Meeting to be Held via WebEx
WebEx Meeting Information/Instructions Attached
April 28, 2020 @ 10:00am

<i>Item</i>	<i>SAI#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
New Business*									
1	4454	Executive, Office of the Governor via Executive, Office of Mangement and Budget	Governors Emergency Education Relief Fund CARES Act COVID-19	\$7,916,821	\$0	\$0	0.00	0.00	0.00
2	4436	Executive, Criminal Justice, Criminal Justice Council	Coronavirus Emergency Supplemental Funding Program - CARES Act COVID-19	\$3,536,720	\$0	\$0	0.70	0.00	0.00
3	4020	Department of Health and Social Services, Social Services	Child Care Development Fund Discretionary - CARES Act COVID-19	\$9,757,763	\$0	\$0	0.00	0.00	0.00
4	4435	Department of Health and Social Services, State Service Centers	Community Development Block Grant - CARES Act COVID-19	\$163,211	\$0	\$0	0.00	0.00	0.00
5	4442	Department of Health and Social Services, Public Health, Community Health	Ryan White Program Supplement COVID-19 Response	\$192,314	\$0	\$0	0.00	0.00	0.00
6	4440	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities	Aging and Disability Resource Center - CARES Act COVID-19	\$299,997	\$0	\$0	0.00	0.00	0.00
7	4451	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities	Title III C-1 Nutrition Services - CARES Act COVID-19	\$2,400,000	\$0	\$0	0.00	0.00	0.00
8	4452	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities	Title III B Supportive Services - CARES Act COVID-19	\$1,000,000	\$0	\$0	0.00	0.00	0.00
9	4453	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities	Title VII Ombudsman Program - CARES Act COVID-19	\$100,000	\$0	\$0	0.00	0.00	0.00
10	4455	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities	Title III E Family Caregivers Support CARES Act COVID-19	\$500,000	\$0	\$0	0.00	0.00	0.00
11	4447	Department of Health and Social Services, Substance Abuse	Delaware Emergency COVID-19 Grant	\$2,000,000	\$0	\$0	0.00	0.00	0.00
12	2020-02-10-01	Department of Correction, Administration, Office of the Commissioner	Prison Research Innovation Grant	\$0	\$312,822	\$100,000	0.00	0.00	0.00
13	4365	Department of Natural Resources and Environmental Control, Division of Climate, Coastal and Energy	Belowground Decomposition Rates in Tidal Wetlands	\$40,851	\$0	\$0	0.08	0.00	0.00
14	4366	Department of Natural Resources and Environmental Control, Division of Climate, Coastal and Energy	Dickinson Plantation Trail Connection	\$402,500	\$172,500	\$0	0.00	0.00	0.00
15	4432	Department of Elections	Help America Vote Act (HAVA) CARES Act COVID-19	\$3,000,000	\$600,000	\$0	0.00	0.00	0.00
16	4424	Department of Education	Elementary and Secondary School Emergency Relief Fund - CARES Act COVID-19	\$43,493,000	\$0	\$0	0.00	0.00	0.00
Pending Business									
1	4450	Executive, Office of Management and Budget	Coronavirus Relief Fund - CARES Act Title V (\$927M State, \$323M NCC)	\$1,250,000,000	\$0	\$0	0.00	0.00	0.00
Continued									
1	4348	Executive, Office of Management and Budget, Government Support Services, Food Distribution	Emergency Food Assist Program Trade Mitigation	\$225,753	\$0	\$0	0.00	0.00	0.00
2	4030 Amendment	Department of State, Arts, Office of the Director	Promotion of the Arts - Partnership Agreement - CARES Act COVID-19	\$423,600	\$0	\$0	0.00	0.00	0.00
3	4324	Department of Health and Social Services, Public Health, Community Health	National Cancer Prevention and Control Program	\$1,953,869	\$384,888	\$0	10.15	2.00	0.00
4	4354	Department of Health and Social Services, Public Health, Community Health	Public Health Approaches to Ensuring Quitline Capacity	\$8,333	\$0	\$0	0.00	0.00	0.00
5	4355	Department of Health and Social Services, Public Health, Community Health	State Office of Rural Health	\$179,270	\$1,093,242	\$0	1.25	0.00	0.00

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

6	4361	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	5.10	0.00	0.00
7	4372	Department of Health and Social Services, Public Health, Community Health	Personal Responsibility Education Program	\$195,000	\$0	\$0	0.00	0.00	0.00
8	4066 Amendment	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children	\$66,229	\$0	\$0	0.00	0.00	0.00
9	3973	Department of Health and Social Services, Social Services	Supplemental Nutrition Program Nutritional Education	\$1,215,250	\$0	\$0	0.00	0.00	0.00
10	4369	Department of Health and Social Services, Social Services	Medicare Improvements for Patient Providers Act Age	\$23,730	\$0	\$0	0.00	0.00	0.00
11	4370	Department of Health and Social Services, Social Services	Medicare Improvement for Patients & Providers Act - Aging and Disability Resource Cente	\$17,970	\$0	\$0	0.00	0.00	0.00
12	3796 Amendment	Department of Natural Resources and Environmental Control, Natural Resources, Parks and Recreation	LWCF 10-00197 Brandywine Zoo Improvements	\$700,471	\$700,471	\$0	0.00	0.00	0.00
13	4121 Amendment	Department of Safety and Homeland Security, Office of the Secretary, Developmental Disabilities Council	Developmental Disabilities Council	\$143,546	\$0	\$0	0.00	0.00	0.00
14	3969 Amendment	Department of Labor, Unemployment Insurance	Reemployment and Eligibility Assessment	\$257,123	\$0	\$0	-0.67	0.00	0.00
15	4359	Department of Agriculture, Plant Industries	Farm Bill-National Honeybee Survey	\$13,800	\$0	\$0	0.00	0.00	0.00
16	4373	Department of Elections	Help America Vote Act Election Security Grant	\$3,031,481	\$606,296	\$0	0.00	0.00	0.00

Higher Education

1	2020-04-11-02	Delaware State University	Laser-based Analysis for Nuclear and Environmental Materials	\$894,746	\$0	\$0			
2	2020-04-11-03	Delaware State University	Consortium for Integrating Machine Learning in Engineering Research	\$2,923,513	\$0	\$0			
3	2020-04-11-04	Delaware State University	Evaluation of Dover PSN (Continuation of year 2)	\$0	\$21,087	\$250			
4	2020-04-11-05	Delaware State University	A Summer Undergraduate Research Program in Neuroscience at an HBCU	\$340,000	\$0	\$0			
5	16-11-06-54 Amer	Delaware State University	Alzheimer's Disease Related Suppliment to P20GM103653	\$365,000	\$0	\$0			
6	2020-04-11-06	Delaware State University	Vesicular Acetylcholine Transporter C. Terminus in Synaptic Transmission	\$955,783	\$0	\$0			
7	2020-04-11-07	Delaware State University	Integrating Low-Cost Paper-Based Devices and Personalized Immunotherapeutics to Optimize Breast Cancer Treatment	\$547,501	\$0	\$0			
8	2020-04-11-08	Delaware State University	Undergraduate International Studies and Foreign Language Programs	\$197,824	\$0	\$0			
9	2020-04-21-01	Delaware State University	Advanced Supercapacitors Based on Novel Low-cost Biocarbon Materials	\$25,000	\$0	\$0			
10	2020-04-18-01	University of Delaware	Development of Blood-Based Biomarkers for Parkinson's Disease	\$275,000	\$0	\$0			
11	2020-04-18-02	University of Delaware	ARO Workshop on Amorphous Materials	\$25,546	\$0	\$0			
12	2020-04-18-03	University of Delaware	Materials in Extreme Dynamic Environments (MEDE) Collaborative Research Alliance (CRA) 2020	\$0	\$0	\$660,789			

13	2020-04-18-04	University of Delaware	Analyzing 14 Years of Landbird Data for the Northern Colorado Plateau I&M Network of the National Park Service	\$40,419	\$0	\$0
14	2020-04-18-05	University of Delaware	Collaborative Research: INFEWS: US-China: Synergy of Wind Energy and Seafood Production in Offshore Waters: An Integrative Modeling and Feasibility Evaluation	\$62,500	\$0	\$0
15	2020-04-18-06	University of Delaware	Potential for Sea Bed Munition Transport due to Turbulent Prop Wash	\$181,707	\$0	\$0
16	2020-04-18-07	University of Delaware	Evaluation of FHB Management Strategies in Delaware following the MGMT Coordinated Projects Standard Protocol	\$0	\$0	\$35,878
17	2020-04-18-08	University of Delaware	Collaborative Research: Enabling Control of Bacillus Subtilis Growth Using Non-standard Amino Acids	\$308,769	\$0	\$0
18	2020-04-18-09	University of Delaware	Center for Integrated Upcycling of Mixed Polymers (CUPs)	\$211,880	\$0	\$0
19	2020-04-18-10	University of Delaware	The Effect of Sodium on Mitochondrial Function of Endothelial Cells	\$0	\$0	\$1,000
20	2020-04-18-11	University of Delaware	Delaware Water-Ecosystem Initiative	\$161,374	\$0	\$0
21	2020-04-18-12	University of Delaware	A Plan for NASA EPSCoR Research Infrastructure Development (RID) in Delaware Augmentation	\$53,571	\$0	\$0
22	2020-04-18-13	University of Delaware	Waterford, Virginia National Historic Landmark District Documentation Modification.	\$27,902	\$0	\$0
23	2020-04-18-14	University of Delaware	Electronic Structure and Spin Correlations in Novel Magnetic Structures	\$56,250	\$0	\$0
24	2020-04-18-15	University of Delaware	Longitudinal Associations with Health Behaviors and Disparate Outcomes in Adolescence	\$379,989	\$0	\$0
25	2020-04-18-16	University of Delaware	Quantifying the Influence of Pathological Hemodynamics on Cerebral Microvascular Dysfunction and Neuronal Injury in Alzheimers and Its Related Dementias	\$275,000	\$0	\$0
26	2020-04-18-17	University of Delaware	Mid-Atlantic ADA Center Collaboration The Delaware Assistive Technology Initiative's Talent Work Project	\$0	\$0	\$9,091
27	2020-04-18-18	University of Delaware	Targeting Genes Identified Through Genome-Wide Association Study of Wooden Breast: Identification and Characterization of Causal Variants	\$371,457	\$0	\$0
28	2020-04-18-19	University of Delaware	Multi-Messenger Heliophysics: Using the HSO to Identify How Turbulence and Kinetic Processes Heat the Corona and Accelerate the Solar Wind	\$0	\$0	\$79,114
29	2020-04-18-20	University of Delaware	Oceanographic Technical Services	\$22,660	\$0	\$0
30	2020-04-18-21	University of Delaware	RAPID: Biophysical Characterization of the Native SARS-CoV-2 Virion by Atomistic Simulations	\$131,686	\$0	\$0
31	2020-04-18-22	University of Delaware	Delaware Summer Scholars Support	\$0	\$0	\$25,000
32	2020-04-18-23	University of Delaware	13th International Symposium on Marek's Disease Virus and Avian Herpesviruses	\$25,000	\$0	\$0
33	2020-04-18-24	University of Delaware	Evaluation of Hindgut Buffers	\$0	\$0	\$74,409

34	2020-04-18-25	University of Delaware	Crack Nucleation Sites and Propagation Pathways in Polycrystalline Ceramic Composites	\$525,437	\$0	\$0
35	2020-04-18-26	University of Delaware	FHWA Asset Management Peer Exchanges 2020	\$0	\$0	\$14,742
36	2020-04-18-27	University of Delaware	Solar-Wind Heating and Acceleration: Observations and Simulations of Cross-Scale Dynamics in the Inner Heliosphere	\$1,249,755	\$0	\$0
37	2020-04-18-28	University of Delaware	Human Trafficking Toolkit for Hospitality Educators	\$0	\$0	\$36,484
38	2020-04-18-29	University of Delaware	The Conserved RNA-Binding Protein Rbm24 Post-transcriptionally Controls Gene Expression in Early Eye and Lens Development	\$0	\$0	\$2,500
39	2020-04-18-30	University of Delaware	A Multi-Level Examination of Health-Related Time-Use Among Adults with Intellectual Disabilities	\$280,999	\$0	\$0
40	2020-04-18-31	University of Delaware	Bookworms Implementation Support Customized for Special Education Teachers, EL Teachers and Reading Specialists.	\$0	\$0	\$5,701
41	2020-04-18-32	University of Delaware	Examining the Ocean Vertical Salt Transport with a Dynamically Consistent Ocean State Estimate	\$45,000	\$0	\$0
42	2020-04-18-33	University of Delaware	National Register Update of Canal Lockkeeper's House	\$25,444	\$0	\$0
43	2020-04-18-34	University of Delaware	Cotton: Reclaim the Value of the End-of-Use Cotton Apparel: Product Development From Cotton Waste	\$0	\$0	\$57,256
44	2020-04-18-35	University of Delaware	Construction of Aquatic Animal Model Organism Facility	\$7,896,751	\$0	\$0
45	2020-04-18-36	University of Delaware	Localization and Functional Role of MiR-31 on Mitotic Spindles During Early Development	\$0	\$0	\$1,000
46	2020-04-18-37	University of Delaware	Pax6-Runx1 Axis in Aniridic Fibrosis	\$0	\$0	\$1,950
47	2020-04-18-38	University of Delaware	Protein Kinase C Regulates Skeletogenic Cell Motility Through the Inactivation of Fascin and the Activation Of CDC42	\$0	\$0	\$1,000
48	2020-04-18-39	University of Delaware	Training in Social Processes of HIV/AIDS	\$0	\$0	\$41,566
49	2020-04-18-40	University of Delaware	K-Space RF Receiver - Phase III Effort	\$1,024,266	\$0	\$0
50	2020-04-18-41	University of Delaware	Improving Rational Design of Phage Therapies Through Understanding Resistance Trade-Offs and Infection Dynamics	\$287,034	\$0	\$0
51	2020-04-18-42	University of Delaware	The Contribution of Disrupted Oxytocin Signaling at Birth to Autism	\$0	\$0	\$70,000
52	2020-04-18-43	University of Delaware	Brood Mixing As A Cultural IPM Beekeeping Practice: Capitalizing on Full Population Genetic Resources to Maximize Varroa Mite Resistance	\$187,282	\$0	\$0
53	2020-04-18-44	University of Delaware	Additive Manufacturing of Continuous Carbon Fiber Reinforced Phthalonitriles For Thermal Protection	\$0	\$0	\$45,650
54	2020-04-18-45	University of Delaware	Advanced Lithium-Sulfur Batteries Based on Innovative Electrodes	\$0	\$0	\$27,125

55	2020-04-18-46	University of Delaware	Blockchain Technology for Highway Transportation	\$744,537	\$0	\$0
56	2020-04-18-47	University of Delaware	EFRI DChEM: Distributed Modular Electro-Bio Reactor Systems for Nutrition Production (ModularEBRS)	\$0	\$0	\$257,476
57	2020-04-18-48	University of Delaware	Collaborative Research: Visual Ecology of Hydrothermal Vent Shrimp	\$235,006	\$0	\$0
58	2020-04-18-49	University of Delaware	Automated Fabrication of Ablation-Resistant TPS	\$0	\$0	\$27,131
59	2020-04-18-50	University of Delaware	Adapting Acceptance And Mindfulness-Based Behavior Therapy for Stroke Survivors with Aphasia to Improve Communication Success, Post-Stroke Adaptation, and Quality of Life	\$0	\$0	\$8,341
60	2020-04-18-51	University of Delaware	Summer Literacy Project Evaluation	\$0	\$0	\$74,902
61	2020-04-18-52	University of Delaware	Supplement to Chincoteague Inlet Modeling Study Phase I	\$0	\$0	\$12,000
62	2020-04-18-53	University of Delaware	Investigating The Evolutionary Stability and Host-generalizability of Synthetic Auxotrophy	\$350,001	\$0	\$0
63	2020-04-18-54	University of Delaware	A Low-Cost and Practical Way to Decontaminate Nuts and Spices	\$238,997	\$0	\$0
64	2020-04-18-55	University of Delaware	High-Energy Metal-CO2 Batteries for Space Missions	\$0	\$0	\$27,125
65	2020-04-18-56	University of Delaware	Building Opportunities to Engage and Educate the Public About Aquatic Invasive Fish Species in the Mid-Atlantic Region	\$0	\$0	\$7,004
66	2020-04-18-57	University of Delaware	Characterization of Breeding Black Duck Carrying Capacity and Habitat Use with Linkages to Population Dynamics	\$305,838	\$20,000	\$0
67	2020-04-18-58	University of Delaware	EFRC: FerroElectronic Materials and Structures (FEMS) for Energy-Efficient Information Technologies	\$0	\$0	\$373,221
68	2020-04-18-59	University of Delaware	Collaborative Research: Understanding the Fluid Dynamics of Fish-like Propulsion Through Shape Control and Optimization	\$164,891	\$0	\$0
69	2020-04-18-60	University of Delaware	RARE-1: A Novel Computational Framework for the Effective Transport Properties of Heterogeneous Media with Application to Image-Based Modeling and Optimal Design.	\$193,006	\$0	\$0
70	2020-04-18-61	University of Delaware	Novel Platform to Evaluate in Vitro And in Vivo Toxicity of Engineered Food Related Nanoparticles	\$412,576	\$0	\$0
71	2020-04-18-62	University of Delaware	Functional Microbiome Approaches to Modulate Soil Water Retention to Improve Drought Tolerance in Plants	\$349,788	\$0	\$0
72	2020-04-18-63	University of Delaware	Multi-Joint Coordination: Postural Flexibility and Instability in Parkinson's Disease	\$0	\$0	\$25,678
73	2020-04-18-64	University of Delaware	iManage-Sexual Wellness: Development of a Symptom-monitoring/Self-management Program to Enhance Sexual Wellness After SCI and TBI	\$1,804,980	\$0	\$0
74	2020-04-18-65	University of Delaware	iManage-Sexual Wellness: Development of a Symptom-monitoring/Self-management Program to Enhance Sexual Wellness After SCI and TBI	\$1,804,980	\$0	\$0
75	2020-04-18-66	University of Delaware	A Simple and Quantitative Clinical Assessment of Neuromuscular Recovery After ACL Injury	\$0	\$0	\$27,525

76	2020-04-18-67	University of Delaware	Can Future Forests Provide Services While Stressed?	\$147,207	\$0	\$0
77	2020-04-18-68	University of Delaware	Measurement Inc/Bill & Melinda Gates Foundation	\$0	\$0	\$397,304
78	2020-04-18-69	University of Delaware	Iowa Army Efficient InfraRed Emitters (EIRE) Kiamilev	\$0	\$0	\$273,397
79	2020-04-18-70	University of Delaware	Tier 1 UTC-Railroad	\$0	\$0	\$263,650
80	2020-04-18-71	University of Delaware	Structural Health Monitoring of Spacecraft and Launch Vehicle Structures	\$0	\$0	\$19,062
81	2020-04-18-72	University of Delaware	Energy and Waste Assessments for Automotive Manufacturing and Maintenance	\$165,353	\$0	\$0
82	2020-04-18-73	University of Delaware	Effects of Tart Cherry on Blood Pressure Variability and Vascular Endothelial Function	\$350,004	\$0	\$0
83	2020-04-18-74	University of Delaware	CLEPS, Consortia for Leadership Education in Plant Science	\$29,999	\$0	\$0
84	2020-04-18-75	University of Delaware	Advanced High Energy Batteries for Electrified Aircraft Propulsion	\$0	\$0	\$27,680
85	2020-04-18-76	University of Delaware	The NCAA-DOD Grand Alliance: Concussion Assessment, Research and Education (CARE)	\$0	\$0	\$16,000
86	2020-04-18-77	University of Delaware	Linking Airway Deposition Patterns to E-Cigarette/Vaping Associated Lung Injury (EVALI) Pathology	\$100,000	\$0	\$0
87	2020-04-18-78	University of Delaware	Can We Modify Gait Asymmetry After ACL Reconstruction?	\$133,005	\$0	\$0
88	2020-04-18-79	University of Delaware	A Tool to Support Research into the Cognitive, Affective, and Motivational Influences of Social Media Interaction	\$0	\$0	\$142,400
89	2020-04-18-80	University of Delaware	Neuromotor Control During Walking in Children with Cerebral Palsy	\$0	\$0	\$2,000
90	2020-04-18-81	University of Delaware	Demonstration of Vehicle-to-Grid (V2G) Power and Value of V2G Distribution Services	\$0	\$0	\$332,450
91	2020-04-18-82	University of Delaware	Structural Monitoring of Composite Pressure Tanks	\$0	\$0	\$72,439
92	2020-04-18-83	University of Delaware	Multimodal Analysis of Drone Based Imagery for Automatic Target Recognition	\$229,759	\$0	\$0
93	2020-04-18-84	University of Delaware	HHS DATI FY2020 Delaware Assistive Technology Initiative	\$316,140	\$0	\$0
94	2020-04-18-85	University of Delaware	Master Players Concert Series	\$0	\$0	\$2,000
95	2020-04-18-86	University of Delaware	Collaborative Research: New Roles for Reactive Oxygen Species in Mediating Carbon Fluxes at the Terrestrial-Aquatic Interface	\$153,112	\$0	\$0
96	2020-04-18-87	University of Delaware	Root Causes of School Violence: Examining School Disorder, Community Context, and School Shootings	\$0	\$0	\$36,349

97	2020-04-18-88	University of Delaware	Service Academy Longitudinal mTBI Outcomes Study (SALTOS)	\$0	\$0	\$114,884
98	2020-04-18-89	University of Delaware	Scale-Model Radome Demonstrator	\$0	\$0	\$250,000
99	2020-04-18-90	University of Delaware	Sustainable Strategies for Lowering Weed Competition and Seed Contamination in Soybean Production	\$25,000	\$0	\$0
100	2020-04-18-91	University of Delaware	Analysis of the Apparel-Specific Tariff Schedule and Rules of Origin Provisions in Free Trade Agreements and Trade Preference Programs	\$0	\$0	\$16,000
101	2020-04-18-92	University of Delaware	EGFR Signaling in Osteoarthritis and Treatment	\$0	\$0	\$28,125
102	2020-04-18-93	University of Delaware	Bioactive Injectable Implants for Functional Intervertebral Disc Regeneration	\$17,755	\$0	\$0
103	2020-04-18-94	University of Delaware	Thermophysical Testing of Composite Samples 2020	\$0	\$0	\$33,962
104	2020-04-18-95	University of Delaware	Enabling Industrial and Regulatory Adoption of Model-Based Systems Engineering Solutions to Support Process and Product Quality Assurance Via Continuous Manufacturing of Pharmaceutical Solid Doses	\$0	\$0	\$335,646
105	2020-04-18-96	University of Delaware	NSF Intergovernmental Personnel Act (IPA) Agreement	\$177,405	\$0	\$0
106	2020-04-18-97	University of Delaware	Metabolic Labeling of Bacteria for Spatio-Temporal Resolution of Microbiota-immune System Interactions in Pathological Inflammation and Cancer	\$0	\$0	\$184,000
107	2020-04-18-98	University of Delaware	Christiana Care Health Care Services Research Amendment 7B	\$0	\$0	\$1,533
108	2020-04-18-99	University of Delaware	COVID-19 and Communication Disparities: Ideological Health Spirals	\$125,062	\$0	\$0
109	2020-04-19-01	University of Delaware	Location-Specific Agriculture Labels to Enhance Profitability: A Case-Study on a Southeast "Black Belt" Label	\$0	\$0	\$42,001
110	2020-04-19-02	University of Delaware	Autonomic Function in Women Across the Menopausal Transition	\$131,840	\$0	\$0
111	2020-04-19-03	University of Delaware	Preventing Expulsion and Suspension through Policy Alignment and Cohesion (PEASPAC): Linkages Between Federal Guidance, State CCDF plans, State Child Care Licensing, QRIS, and State Pre-K Policies	\$61,538	\$0	\$0
112	2020-04-19-04	University of Delaware	Alma Vazquez DE Sea Grant Knauss Fellowship 2021	\$74,000	\$0	\$0
113	2020-04-19-05	University of Delaware	Nicole Rucker DE Sea Grant Knauss Fellowship 2021	\$74,000	\$0	\$0
114	2020-04-19-06	University of Delaware	Spectral Platform to Detect and Monitor Opportunistic Food-Borne Pathogens on Phyllosphere	\$377,018	\$0	\$0
115	2020-04-19-07	University of Delaware	Restoration Options for Salt-Damaged Agricultural Land in The Chesapeake Bay: Reducing Pollution and Increasing Wetland Habitat	\$0	\$0	\$80,933
116	2020-04-19-08	University of Delaware	Neutralizing the Degenerate Disc Microenvironment to Enhance the Efficacy of Therapeutic Stem Cells	\$0	\$0	\$254,161
117	2020-04-19-09	University of Delaware	Using Smart Manufacturing to Enable Energy-Efficient Manufacturing of Pharmaceutical Products	\$0	\$0	\$92,074

118	2020-04-19-10	University of Delaware	Modeling the Transport of HIV Antivirals into Lymph Nodes	\$0	\$0	\$198,825
119	2020-04-19-11	University of Delaware	Expanding Computational Skills and Research Opportunities for Future Agricultural Leaders Through a Collaborative Collegiate Network	\$615,231	\$0	\$0
120	2020-04-19-12	University of Delaware	Carbonate Microbiome	\$21,676	\$0	\$0
121	2020-04-19-13	University of Delaware	ABC Dissemination Training	\$0	\$0	\$24,162
122	2020-04-19-14	University of Delaware	Using A Multifaceted Approach to Conserve and Recover the Delaware Watershed'S Most Imperiled Aquatic Organism: The Atlantic Sturgeon	\$0	\$0	\$77,977
123	2020-04-19-15	University of Delaware	Developing, Implementing, and Evaluating a Video-based Lesson Series for Health and Science Educators - Supplement	\$0	\$0	\$25,623
124	2020-04-19-16	University of Delaware	Haley Olenyick DE Sea Grant Knauss Fellowship 2021	\$74,000	\$0	\$0
125	2020-04-19-17	University of Delaware	Amanda Pappas DE Sea Grant Knauss Fellowship 2021	\$74,000	\$0	\$0
126	2020-04-19-18	University of Delaware	Fall Risk Prediction in Elderly Population Using Non-Invasive Wearable Sensors and Novel Algorithms	\$0	\$0	\$82,361
127	2020-04-19-19	University of Delaware	Digitizing the Disappeared: Partnerships to Publish Digital Scholarship on Guatemala's Desaparecidos	\$0	\$0	\$70,000
128	2020-04-19-20	University of Delaware	Environmental Drivers of American Eel Emigration in the Delaware River	\$0	\$0	\$55,163

Revised 4/27/20

Delaware State Clearinghouse Committee
May Agenda
Meeting to be Held via WebEx
WebEx Meeting Information/Instructions Attached
May 18, 2020 @ 1:00pm

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Federal	Positions State	Other
New Business*									
1	4457	Department of Health and Social Services, Public Health, Community Health	Epidemiology & Lab Capacity - CARES Act COVID-19	\$5,075,000	\$0	\$0	0.00	0.00	0.00
2	4470	Department of Labor, Unemployment Insurance	Federal Pandemic Unemployment Compensation - CARES Act COVID-19	\$2,980,677	\$0	\$0	0.00	0.00	0.00
3	4471	Department of Labor, Unemployment Insurance	Pandemic Unemployment Assistance - CARES Act COVID-19	\$6,532,476	\$0	\$0	0.00	0.00	0.00
4	4472	Department of Labor, Unemployment Insurance	Pandemic Emergency Unemployment Compensation - CARES Act COVID-19	\$3,340,367	\$0	\$0	0.00	0.00	0.00
5	4473	Department of Education	Child Nutrition - CARES Act COVID-19	\$15,556,787	\$0	\$0	0.00	0.00	0.00
Continued									
1	2019-04-15-01 Amendment	Executive, Delaware State Housing Authority	Housing Choice Vouchers (Moving to Work) - CARES Act COVID-19	\$159,666	\$0	\$0	0.00	0.00	0.00
2	2019-04-16-02 Amendment	Executive, Delaware State Housing Authority	Public Housing Operations Program (Moving to Work) - CARES Act COVID-19	\$471,712	\$0	\$0	0.00	0.00	0.00
3	2019-04-23-01 Amendment	Executive, Delaware State Housing Authority	Community Development Block Grant DSHA - CARES Act COVID-19	\$1,471,924	\$0	\$0	0.00	0.00	0.00
4	2019-04-23-02 Amendment	Executive, Delaware State Housing Authority	Housing Opportunities for Persons with Aids - CARES Act COVID-19	\$45,703	\$0	\$0	0.00	0.00	0.00
5	2019-04-23-03 Amendment	Executive, Delaware State Housing Authority	Emergency Solutions Grants Program - CARES Act COVID-19	\$807,114	\$0	\$0	0.00	0.00	0.00
6	4416	Department of Labor, Unemployment Insurance	Reemployment and Eligibility Assessment	\$796,881	\$0	\$0	8.58	0.00	0.00
Higher Education									
1	4434	Delaware Technical Community College	Federal Work Study	\$456,359	\$132,400	\$0			
2	4415	Delaware Technical Community College	Federal Supplemental Educational Opportunity Grants (FSEOG)	\$490,189	\$163,396	\$0			
3	2020-05-06-01	Delaware Technical Community College	Enhancing Technology Access, Online Course Delivery and Employment Opportunities for Delaware Tech Students	\$0	\$0	\$300,000			

Revised: 5/14/20

Delaware State Clearinghouse Committee
REVISED May Agenda
Meeting to be Held via WebEx
WebEx Meeting Information/Instructions Attached
June 5, 2020 @ 10:00am

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
New Business*									
1	4525	Executive, Office of Management and Budget, Government Support Services, Food Distribution	The Emergency Food Assistance Program Administrative - CARES Act COVID-19	\$400,938	\$0	\$0	0.00	0.00	0.00
2	4526	Executive, Office of Management and Budget, Government Support Services, Food Distribution	The Emergency Food Assistance Program Farm to Food Bank - CARES Act COVID-19	\$18,190	\$0	\$18,190	0.00	0.00	0.00
3	4527	Executive, Office of Management and Budget, Government Support Services, Food Distribution	The Emergency Food Assistance Program Administrative - Families First Coronavirus Relief Act COVID-19	\$167,292	\$0	\$0	0.00	0.00	0.00
4	4459	Department of State, Libraries	Library Services and Technology - CARES Act COVID-19	\$87,988	\$0	\$0	0.00	0.00	0.00
5	4495	Department of State, Small Business, Delaware Economic Development	Rise UP Now Delaware (RUN-DE) - CARES Act COVID-19	\$5,000,000	\$0	\$0	0.00	0.00	0.00
6	4457 Amendment	Department of Health and Social Services, Public Health, Community Health	Epidemiology & Laboratory Capacity - CARES Act COVID-19	\$0	\$0	\$0	5.00	0.00	0.00
7	4376	Department of Health and Social Services, Administration, Management Services	Infants and Toddlers with Disabilities	\$2,333,044	\$6,907,500	\$0	10.00	33.50	0.00
8	4519	Department of Health and Social Services, State Service Centers	Community Services Block Grant - CARES Act COVID-19	\$1,372,494	\$0	\$0	0.00	0.00	0.00
9	4377	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Geospatial and Outreach Support for Shoreline	\$9,914	\$881	\$0	0.00	0.01	0.00
10	4497	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Disaster #4526 Crisis Counseling Assistance & Training - CARES Act COVID-19	\$281,630	\$1,799	\$0	0.00	0.02	0.00
Pending Business									
1	4515	Department of Health and Social Services, Public Health, Community Health	FY20 Epidemiology & Laboratory Capacity Detection - CARES Act COVID-19	\$67,436,696	\$0	\$0	80.00	0.00	0.00
Continued									
1	4413	Executive, Criminal Justice, Criminal Justice Council	Edward Byrne Justice Assistance Grant	\$904,435	\$42,728	\$0	0.80	0.55	0.00
2	4362	Department of Health and Social Services, Public Health, Community Health	Development, Maintenance and Enhancement of Early Hearing Detection and Intervention System Surveillance Programs	\$160,000	\$0	\$0	0.00	0.00	0.00
3	4363	Department of Health and Social Services, Public Health, Community Health	Public Health Emergency Preparedness Cooperative Agreement	\$5,312,726	\$531,273	\$0	24.00	0.00	0.00
4	4381	Department of Health and Social Services, Public Health, Community Health	Integrating Colorectal Cancer Screening	\$899,919	\$0	\$0	2.25	0.00	0.00
5	4386	Department of Health and Social Services, Social Services	Refugee Social Service Case Program	\$75,000	\$0	\$0	0.00	0.00	0.00
6	4387	Department of Health and Social Services, Social Services	Refugee Cash and Medical Assistance Program	\$95,000	\$0	\$0	0.20	0.00	0.00
7	4421	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/ Community Services	Senior Community Service Employment Program	\$1,700,512	\$0	\$189,323	0.75	0.00	0.00
8	2020-03-23-01	Department of Health and Social Services, Administration, Substance Abuse and Mental Health, Substance Abuse	Transformation Transfer Initiative	\$0	\$0	\$150,000	0.00	0.00	0.00
9	2020-03-30-01	Department of Health and Social Services, Administration, Office of the Secretary	Stand By Me Financial Empowerment Grant	\$0	\$0	\$426,099	0.00	0.00	0.00
10	4412 Amendment	Department of Health and Social Services, Public Health, Community Health	Hospital Preparedness Program - CARES Act COVID-19	\$750,000	\$0	\$0	0.00	0.00	0.00
11	4420	Department of Services for Children, Youth and Their Families, Division of Management and Support Services, Family Services, Intervention/Treatment	Title IV-B, Subpart 2 - Promoting Safe and Stable Families	\$225,605	\$0	\$0	0.00	0.00	0.00
12	4213 Amendment	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E Adoption Assistance	\$1,101,650	\$1,101,650	\$0	0.00	0.00	0.00

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

13	4399	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous	State Memorandum of Agreement Program for the Reimbursement of Technical Services	\$77,100	\$0	\$0	0.32	0.00	0.00
14	4403	Department of Natural Resources and Environmental Control, Office of the Secretary, Information Technology	Environmental Exchange Network	\$190,517	\$150,000	\$0	0.00	0.00	0.00
15	3037 Amendment	Department of Natural Resources and Environmental Control, Office of the Secretary, Energy and Climate	Weatherization Assistance Program	\$844,216	\$0	\$0	0.00	0.00	0.00
16	4378	Safety and Homeland Security, State Police, Executive	Asset Forfeiture - Justice	\$3,000,000	\$0	\$0	0.00	0.00	0.00
17	4379	Safety and Homeland Security, State Police, Executive	Asset Forfeiture - Treasury	\$1,000,000	\$0	\$0	0.00	0.00	0.00
18	4380	Department of Education	Migrant Education Program Consortium Incentive	\$136,363	\$0	\$0	0.00	0.00	0.00
19	4382	Department of Education	Rural and Low Income Schools	\$135,344	\$0	\$0	0.00	0.00	0.00
20	4384	Department of Education	Adult Basic Education	\$1,693,041	\$855,621	\$0	0.10	0.00	0.00
21	4389	Department of Education	Title I Part C Migrant Education	\$386,024	\$0	\$0	1.30	0.00	0.00
22	4390	Department of Education	Title I, Part A - Improving the Academic Achievement of the Disadvantaged	\$54,692,225	\$0	\$0	2.75	0.00	0.00
23	4391	Department of Education	Title II Part A Improving Teacher Quality	\$10,298,533	\$0	\$0	2.05	0.00	0.00
24	4392	Department of Education	Title III English Acquisition	\$1,227,045	\$0	\$0	1.10	0.00	0.00
25	4393	Department of Education	Title IV Part A Student Support and Enrichment	\$5,839,158	\$0	\$0	0.00	0.00	0.00
26	4394	Department of Education	Individuals with Disabilities Education Act, Part B, Section 611-State Grant	\$39,412,835	\$0	\$0	11.50	0.00	0.00
27	4395	Department of Education	Individuals with Disabilities Education Act, Part B, Section 619-Preschool	\$1,301,639	\$0	\$0	0.00	0.00	0.00
28	4396	Department of Education	Carl D. Perkins Career and Technical Education	\$5,557,329	\$0	\$0	2.57	0.00	0.00
29	4400	Department of Education	State Assessment and Related Activities	\$3,576,455	\$0	\$0	2.20	0.00	0.00
30	4401	Department of Education	Education for Homeless Children and Youth	\$334,652	\$0	\$0	0.15	0.00	0.00
31	4402	Department of Education	Title IV, Part B - 21st Century Community Learning	\$6,123,398	\$0	\$0	0.80	0.00	0.00
32	4404	Department of Education	Prevention and Intervention Programs for Children	\$697,867	\$0	\$0	0.00	0.00	0.00

Higher Education

1	4521	Delaware Technical Community College	Higher Education Emergency Relief Fund (HEERF)	\$4,504,200	\$0	\$0			
2	2020-05-16-01	Delaware State University	Novel Cassava (M.Esculenta) with Improved Starches, Zinc, Iron and B-Carotene Levels via Combining CRISPR with De Novo Meristem Induction	\$299,956	\$0	\$0			
3	2020-04-29-03	Delaware State University	The Garage	\$70,000	\$0	\$0			
4	2020-05-16-02	Delaware State University	Higher Education Emergency Relief Fund - IHE/Institution COVID-19	\$5,565,920	\$0	\$0			
5	2020-05-16-03	Delaware State University	Evaluate the Effects Cruciferous Vegetables on Gut Microbiome Body Weight and Metabolic dysfunction in Parents and offspring	\$500,000	\$0	\$0			
6	2020-05-16-04	Delaware State University	Using a Multifaceted Approach to Conserve and Recover the Delaware Watershed's most Imperiled Aquatic Organism; the Atlantic Sturgeon	\$0	\$0	\$416,120			

7	2020-05-16-05	Delaware State University	DSU Scholars in Physics, Engineering, Mathematics, and Computer Science (DSU-SPEMaCS)	\$999,809	\$0	\$0
8	2020-05-16-06	Delaware State University	Prevalence of Toxoplasma Gondii on Small Ruminant Farms in Delaware	\$29,992	\$0	\$0
9	2020-05-16-07	Delaware State University	Coordination for the Trauma Recovery Demonstration Project.	\$0	\$20,000	\$0
10	2020-05-16-08	Delaware State University	GeoAg Economics, Markets and Trade	\$500,000	\$0	\$47,499
11	2020-05-16-09	Delaware State University	Higher Education Emergency Relief Fund - IHE/Institution COVID-19	\$2,782,960	\$0	\$0
12	2020-05-16-10	Delaware State University	Higher Education Emergency Relief Fund - IHE/Institution COVID-19	\$11,323,463	\$0	\$0
13	2020-05-09-01	University of Delaware	Collaborative Research: Physiological and Developmental Traits of Brooders Conferring Fitness Under Climate Change	\$252,035	\$0	\$0
14	2020-05-09-02	University of Delaware	Embedded NERVE System for Intelligent Manufacturing of Multifunctional Composites for Vehicles	\$0	\$0	\$144,985
15	2020-05-09-03	University of Delaware	Tissue Engineered Total Disc Replacement in a Large Animal Model	\$17,755	\$0	\$0
16	2020-05-09-04	University of Delaware	Hooked on OA Education: Developing Engagement Tools for Recreational Fishermen in the Mid-Atlantic	\$14,995	\$0	\$0
17	2020-05-09-05	University of Delaware	Towards Continuous Downstream Purification of mAb Production: Modeling and Experimental Approach	\$2,771,116	\$0	\$0
18	2020-05-09-06	University of Delaware	NSF HDBE: Integrating Logistics Management with Social Data for Enhancing Food System Resilience in Catastrophic Hazard Events	\$513,506	\$0	\$0
19	2020-05-09-07	University of Delaware	Identifying the Neural Factors and Exploring the Role of Sex in Emotion Differentiation	\$193,563	\$0	\$0
20	2020-05-09-08	University of Delaware	Effects of Neighborhood Disadvantage on Adolescent Cortisol Reactivity and Mental Health	\$193,563	\$0	\$0
21	2020-05-09-09	University of Delaware	CRA MEDE Congressional Plus Up 2020	\$0	\$0	\$869,944
22	2020-05-09-10	University of Delaware	Jeremy Tobacman, Visiting Scholar, Bureau of Consumer Financial Protection	\$18,271	\$0	\$0
23	2020-05-09-11	University of Delaware	Women of Color Faculty Members Transitioning to New Teaching Contexts	\$0	\$0	\$7,493
24	2020-05-09-12	University of Delaware	Mechanism of Interaction of SARS-CoV2 with ACE2	\$0	\$0	\$90,909
25	2020-05-09-13	University of Delaware	High Throughput High Pressure SANS Sample Environment	\$0	\$0	\$26,004
26	2020-05-09-14	University of Delaware	A Decentralized Optimal Control Framework for Emerging Mobility Systems	\$685,491	\$0	\$0
27	2020-05-09-15	University of Delaware	Short Fiber Preform Technology for Automotive Part Production	\$0	\$0	\$225,000

28	2020-05-09-16	University of Delaware	Residue Management: Impacts on The Microbial Community, Soil Health and Elemental Cycling in Rice Paddy Soil	\$347,851	\$0	\$0
29	2020-05-09-17	University of Delaware	Acquisition of Goods and Services: Develop a Protocol for Preparing & Sequencing Reduced Representation Genomic Libraries Using Next-Generation Sequencing Technology To Discover & Genotype Large Nos. Of Sequence Polymorphisms Distributed Across Genomes.	\$1,000	\$0	\$0
30	2020-05-09-18	University of Delaware	Repurposing Actin-related Drugs to Prevent Posterior Capsular Opacification in Canine Ocular Lenses	\$0	\$0	\$20,000
31	2020-05-09-19	University of Delaware	Targeted Delivery of Antiviral Therapeutics via Atomized Aerosol Inhalation to Treat COVID2019	\$0	\$0	\$16,000
32	2020-05-09-20	University of Delaware	Climate Diplomacy Between India and Pakistan: Contending with Common Threats and Identifying Opportunities for Peace-Building	\$0	\$0	\$89,590
33	2020-05-09-21	University of Delaware	RVA-OA2020 Evaluating OA Vulnerability and Interactions Among Traditional and Emerging Coastal Alaska Industries	\$105,143	\$0	\$0
34	2020-05-09-22	University of Delaware	Stochastic Resonance for Improving Balance and Motor Function in Cerebral Palsy	\$0	\$0	\$24,999
35	2020-05-09-23	University of Delaware	Antimicrobial Thermosetting Bio-Polymers Derived from Non-Edible Oils	\$93,105	\$0	\$0
36	2020-05-09-24	University of Delaware	NUVVE Service Ahmed 20	\$0	\$0	\$72,254
37	2020-05-09-25	University of Delaware	Improving the Durability and Extending the Life of Transportation Infrastructure	\$0	\$0	\$74,299
38	2020-05-09-26	University of Delaware	Improving the Durability and Extending the Life of Transportation Infrastructure	\$0	\$0	\$222,678
39	2020-05-09-27	University of Delaware	Supplement: Evaluation of a Portable Electromyography Biofeedback Device and its Effect On Gait and Associated Cortical Activity in Stroke Patients	\$0	\$0	\$5,000
40	2020-05-09-28	University of Delaware	Advancing an Urban Silvicultural Toolbox for Forests in Cities: Assessment and Management Strategies for Urban Stressors, Climate Change, and Canopy Disturbance Across a Multi-City Network.	\$64,898	\$0	\$0
41	2020-05-09-29	University of Delaware	Taking the Pulse of the West Florida Shelf at a Hypothesized Loop Current Control Point	\$0	\$0	\$60,318
42	2020-05-09-30	University of Delaware	Understanding Sensitive Periods for Cognitive Development in Young Children Growing Up in Rural Ivory Coast	\$0	\$0	\$246,950
43	2020-05-09-31	University of Delaware	Moving Education Online: Can Video Chat Reading Improve Kindergartners' Language and Emergent Literacy?	\$0	\$0	\$249,995
44	2020-05-09-32	University of Delaware	Center for Plastics Innovation (CPI)	\$11,159,828	\$0	\$0
45	2020-05-09-33	University of Delaware	Developing a Decision Support Tool for Agricultural Nutrient Application Timing using the National Weather Service National Water Model Framework	\$0	\$0	\$73,629
46	2020-05-09-34	University of Delaware	Delaware Procurement Technical Assistance Center Base FY21	\$253,476	\$77,784	\$0
47	2020-05-09-35	University of Delaware	Advancing Bridge Load Rating: Best Practices and Model Frameworks	\$0	\$0	\$125,741
48	2020-05-09-36	University of Delaware	The Impact Of Technological Advancements in Communication on Correctional Functioning and Incarcerated Individuals	\$124,854	\$0	\$0

49	2020-05-09-37	University of Delaware	Effects of Peanut Consumption on Cardiovascular Risk Factors and Cognitive Function	\$0	\$0	\$93,959
50	2020-05-09-38	University of Delaware	Transcriptomics of the Aging Human Lens	\$0	\$0	\$4,800
51	2020-05-09-39	University of Delaware	NIJ Hearing Unheard Voices: Investigating the Lives of Survivors of Human Trafficking	\$283,555	\$0	\$0
52	2020-05-09-40	University of Delaware	Addressing Emotional Pain in Post-Stroke Aphasia	\$0	\$0	\$6,195
53	2020-05-09-41	University of Delaware	PRO: A Protein Ontology in OBO Foundry for Scalable Integration of Biomedical Knowledge	\$5,500	\$0	\$0
54	2020-05-09-42	University of Delaware	University Of Delaware Expanded Food and Nutrition Education Program(EFNEP) FY2020	\$3,617	\$0	\$0
55	2020-05-09-43	University of Delaware	Impacts of Prey Resources, Weather and Time of Day on Habitat use for Wintering Lesser Scaup the Chesapeake Bay	\$0	\$0	\$130,870
56	2020-05-09-44	University of Delaware	University of Delaware: National Project Director (transitioning) at 40% FTE	\$0	\$0	\$34,000
57	2020-05-09-45	University of Delaware	Using Drone Technology to Predict Potential Nitrogen, Soil Sample Locations, and Planting Issues from Cover Crop Biomass	\$0	\$0	\$13,349
58	2020-05-09-46	University of Delaware	Comparison of Salmonella Infections in Human and Chicken Macrophages to Improve Food Safety and Public Health	\$0	\$0	\$13,497
59	2020-05-09-47	University of Delaware	Re/Cover Textiles: Development of an Innovative Waste to Value Reprocessing Platform	\$0	\$0	\$115,506
60	2020-05-09-48	University of Delaware	Seahorse XFe96 Analyzer	\$202,983	\$0	\$0
61	2020-05-09-49	University of Delaware	Adapting to Climate Change: Trends and Severe Storm Responses by Migratory Landbirds and Their Habitats	\$82,306	\$0	\$0
62	2020-05-09-50	University of Delaware	NSF2026: EAGER: Harnessing Protein Disorder in the Design of Ordered Cellular Materials	\$187,122	\$0	\$0
63	2020-05-09-51	University of Delaware	RAPID: Can Survivor-Centered Approaches Work During a Pandemic?	\$43,231	\$0	\$0
64	2020-05-09-52	University of Delaware	Antibiotic-Loaded Nanoparticles for the Treatment of Bacterial Vaginosis in Pregnant and Non-Pregnant Women	\$244,506	\$0	\$0
65	2020-05-09-53	University of Delaware	Additive and Transformative Manufacturing IPT A	\$0	\$0	\$79,591
66	2020-05-09-54	University of Delaware	Additive and Transformative Manufacturing IPT B	\$0	\$0	\$79,591
67	2020-05-09-55	University of Delaware	Collaborative Research: RECODE: Programmable Differentiation of Stem Cells Using Synthetic Control Strategies	\$560,686	\$0	\$0
68	2020-05-09-56	University of Delaware	NCAE-C Cybersecurity Education Diversity Northeast Regional Coalition	\$0	\$0	\$302,487
69	2020-05-09-57	University of Delaware	Development of a Multi-Dimensional Time-Based Track Quality Index (TQI) and Defect Risk Model in Support of Autonomous Track Geometry Inspection	\$154,569	\$0	\$0

70	2020-05-09-58	University of Delaware	The Bacterial Peptidoglycans as Targets Of Vaccines	\$0	\$0	\$625,000
71	2020-05-09-59	University of Delaware	Ultra-Low Emissivity Reflector Using TiO2 Materials by Atomic Layer Deposition for Multilayer Insulation Shields	\$386,307	\$0	\$0
72	2020-05-09-60	University of Delaware	NIIMBL Responds to the COVID-19 Pandemic #1	\$8,598,351	\$0	\$0
73	2020-05-09-61	University of Delaware	Improving Women'S Health with a Diagnostic Companion To Mammography	\$292,408	\$0	\$0
74	2020-05-09-62	University of Delaware	Development and Testing of Standards for Host Cell Protein (HCP) Analysis in Chinese Hamster Ovary (CHO) Cells	\$0	\$0	\$161,120
75	2020-05-09-63	University of Delaware	GOALI: Creating Functional Structural Assemblies by Controlling Patch-Wise Particle Interactions	\$194,281	\$0	\$0
76	2020-05-09-64	University of Delaware	Broadband Acoustic Wave Propagation on the New England Continental Shelf	\$568,758	\$0	\$0
77	2020-05-09-65	University of Delaware	Enhancing Soldier Protection to Defeat Evolving Threats	\$0	\$0	\$3,175,154
78	2020-05-09-66	University of Delaware	Delaware Geological Survey National Ground Water Monitoring Network 2020 Objective 2, Part A	\$28,615	\$0	\$0
79	2020-05-09-67	University of Delaware	SBA SBDC COVID FY20 Bowman	\$1,174,312	\$0	\$0
80	2020-05-09-68	University of Delaware	Accelerating Implementation of 4R Nutrient Stewardship Practices in the Chesapeake Bay Watershed	\$0	\$0	\$67,397
81	2020-05-09-69	University of Delaware	RII Track-4: Elucidating Complex Interaction Mechanisms between Epoxy and Concrete in Externally Bonded Fiber-reinforced Polymer Composite Seismic Retrofits	\$200,389	\$0	\$0
82	2020-05-09-70	University of Delaware	Improving the Education of Youth on the Autism Spectrum: A Model Demonstration Coaching System to Increase the Implementation of Evidenced-Based Practices and Data-Driven Decision Making.	\$943,572	\$0	\$0
83	2020-05-09-71	University of Delaware	Engineering Biomaterials to Study Host-Bacteria Immune Interactions	\$91,040	\$0	\$0
84	2020-05-09-72	University of Delaware	Long Term Predictive Models of Childhood Obesity	\$116,400	\$0	\$0
85	2020-05-09-73	University of Delaware	Multicenter Career Development Program for Physical and Occupational Therapy	\$0	\$0	\$54,148
86	2020-05-09-74	University of Delaware	Spatio-Temporal Linkages Between Social Media and Offline Political Violence	\$0	\$0	\$143,404
87	2020-05-09-75	University of Delaware	Technical Assistance and Evaluation Support for the Philadelphia Family Child Care Hub Initiative	\$0	\$0	\$74,689
88	2020-05-09-76	University of Delaware	Scaling Up Biochar Applications for Accelerated Stormwater Runoff Reduction in the Chesapeake Bay	\$0	\$30,000	\$120,151
89	2020-05-09-77	University of Delaware	Maintenance and Operations of the IceCube Neutrino Observatory 2021-2026	\$0	\$0	\$598,600
90	2020-05-09-78	University of Delaware	RECODE: Driving Lineage-Specific Differentiation of Blood Stem Cells with MicroRNAs	\$962,615	\$0	\$0

91	2020-05-09-79	University of Delaware	INTERN Supplemental Funding Request for Collaborative Research: Capturing 4D Variations in Stress, Slip, and Fault-Zone Material Properties	\$34,863	\$0	\$0
92	2020-05-09-80	University of Delaware	Don't Forget the Foot! Exposing Foot Energetics to Enhance Foot Orthoses and Gait Rehabilitation	\$257,823	\$0	\$0
93	2020-05-09-81	University of Delaware	Coupling Metabolism to Mineralogical Scaffolding for Understanding Nano-Material Production in Metal-Oxidizing Bacteria	\$30,742	\$0	\$0
94	2020-05-09-82	University of Delaware	Designer MMP Nanostructures with Logic-Gated Tumor Motility and Targeted Drug Delivery	\$275,000	\$0	\$0
95	2020-05-09-83	University of Delaware	Administrative Supplement to Discovery of Chemical Probes and Therapeutic Leads	\$200,000	\$0	\$0
96	2020-05-09-84	University of Delaware	Administrative Supplement to Selenoproteins in the ER-associated Protein Degradation Pathway	\$62,743	\$0	\$0
97	2020-05-09-85	University of Delaware	Investigation of The Role Of Runx1 in Aniridia Fibrosis Syndrome	\$0	\$0	\$50,000
98	2020-05-09-86	University of Delaware	Hemp Marketing: Measuring Stated Demand and Preferences in an Emerging Market	\$4,000	\$0	\$0
99	2020-05-09-87	University of Delaware	Coupling Microbial Biosynthesis and Heterogeneous Catalysis for the Petroleum-Free Production of Alkylated Phenol Compounds	\$0	\$0	\$98,000
100	2020-05-09-88	University of Delaware	Consequences and Control of Randomness in Timing of Intracellular Events	\$5,000	\$0	\$0
101	2020-05-09-89	University of Delaware	Understanding Institutional Trust and Consumer Demand for Safe Dairy Products	\$0	\$0	\$71,041
102	2020-05-09-90	University of Delaware	New Etching Methodologies for Atomic Level Precision in Manufacturing Processes from Micro to Nanoscales	\$331,761	\$0	\$0
103	2020-05-09-91	University of Delaware	Changing Health and Lifestyle Behaviors of Offspring Following Maternal Bariatric Surgery	\$0	\$0	\$42,792
104	2020-05-09-92	University of Delaware	Advanced Development of Asset Protection Technologies for Enhanced Armaments & Soldier Lethality (ADAPT Phase III)	\$0	\$0	\$254,461
105	2020-05-09-93	University of Delaware	Sub-Canopy Robotics For Brace Root Phenotyping	\$349,885	\$0	\$0
106	2020-05-09-94	University of Delaware	Persistence of Agri-environmental Best Management Practices	\$405,060	\$0	\$0
107	2020-05-09-95	University of Delaware	Quantum Energy and Sustainable Solar Technologies (QESST) Renewal	\$0	\$0	\$88,210
108	2020-05-09-96	University of Delaware	TUFF internal WRAP for Rapid Pipeline Repair (TuFF iWRAP)	\$4,357,233	\$0	\$0
109	2020-05-09-97	University of Delaware	Certificate in Data Science & Analytics for JPMC employees	\$0	\$0	\$163,526
110	2020-05-09-98	University of Delaware	Developing a Workforce for a Hydrogen Technology Economy	\$0	\$0	\$127,800
111	2020-05-09-99	University of Delaware	Madison Board of Education Superintendent Search and Recruitment	\$0	\$0	\$20,940

REVISED: 6/4/20

Delaware State Clearinghouse Committee
June Agenda
Meeting to be Held via WebEx
WebEx Meeting Information/Instructions Attached
July 14, 2020 @ 10:00am

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
New Business*									
1	4454 Amendment	Office of the Governor via the Office of Management and Budget	Governors Emergency Education Relief Fund CARES Act COVID-19	\$0	\$0	\$0	2.00	0.00	0.00
2	4406	Department of Health and Social Services, Public Health, Community Health	National & State Tobacco Control Program	\$951,360	\$0	\$0	5.00	0.00	0.00
3	4538	Department of Health and Social Services, State Service Centers	Low-Income Home Energy Assistance CARES Act - COVID-19	\$3,258,876	\$0	\$0	0.00	0.00	0.00
4	4540	Department of Health and Social Services, State Service Centers	Community Development Block Grant City of Wilmington - CARES Act COVID-19	\$300,000	\$0	\$0	0.00	0.00	0.00
5	4562	Department of Health and Social Services, State Service Centers	Community Development Block Grant New Castle County - CARES Act COVID-19	\$731,218	\$0	\$0	0.00	0.00	0.00
6	4517	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B, Subpart 2, Promoting Safe & Stable Families	\$1,432,430	\$0	\$0	0.00	0.00	0.00
7	4520	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B, Subpart 1, Child Welfare Services- CARES Act COVID-19	\$127,441	\$0	\$0	0.00	0.00	0.00
8	4441	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Thousand Acre Marsh Water Control Structure	\$0	\$1,107,594	\$500,000	0.00	0.00	0.00
9	4552	Department of Transportation, Office of the Secretary, Finance Division	Federal Transit Administration 5311-5 Rural - CARES Act COVID-19	\$5,915,431	\$0	\$0	0.00	0.00	0.00
10	4555	Department of Transportation, Office of the Secretary, Finance Division	Federal Transit Administration 5307-6 Urban - CARES Act COVID-19	\$55,256,990	\$0	\$0	0.00	0.00	0.00
11	4465	Department of Education	Youth Apprenticeship Readiness Program	\$2,499,999	\$0	\$0	0.00	0.00	0.00
Continued									
1	3644 Amendment	Executive, Criminal Justice, Statistical Analysis Centers	State Justice Statistics Program	\$74,186	\$0	\$0	0.90	0.00	0.00
2	2019-04-23-01 Amendment	Executive, Delaware State Housing Authority	Community Development Block Grant DSHA - CARES Act COVID-19	\$3,236,174	\$0	\$0	0.00	0.00	0.00
3	2019-04-23-03 Amendment	Executive, Delaware State Housing Authority	Emergency Solutions Grants Program - CARES Act COVID-19	\$1,527,664	\$0	\$0	0.00	0.00	0.00
4	2020-04-02-01	Executive, Delaware State Housing Authority	Community Block Grant	\$2,505,301	\$0	\$0	1.00	0.00	0.00
5	2020-04-03-01	Executive, Delaware State Housing Authority	Housing Opportunities for Persons with AIDS	\$314,048	\$0	\$0	0.00	0.00	0.00
6	2020-04-03-02	Executive, Delaware State Housing Authority	HOME Investment Partnership	\$3,000,000	\$0	\$0	0.00	0.00	0.00
7	2020-04-03-03	Executive, Delaware State Housing Authority	Emergency Solutions Grants Program	\$234,063	\$0	\$0	0.00	0.00	0.00
8	2020-04-09-01	Executive, Delaware State Housing Authority	Public Housing Capital Program - Moving to Work	\$1,035,886	\$0	\$0	0.00	0.00	0.00
9	2020-04-09-02	Executive, Delaware State Housing Authority	Public Housing Operations Program - Moving to Work	\$2,766,790	\$0	\$440,270	0.00	0.00	0.00
10	2020-04-09-03	Executive, Delaware State Housing Authority	Housing Choice Vouchers Program - Moving to Work	\$8,796,940	\$0	\$0	1.00	0.00	0.00
11	2020-04-09-04	Executive, Delaware State Housing Authority	Family Unification Program	\$425,860	\$0	\$0	0.00	0.00	0.00
12	2020-04-09-05	Executive, Delaware State Housing Authority	Performance Based Contract Administrator Program	\$42,183,823	\$0	\$0	0.00	0.00	0.00

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

13	2020-05-11-01	Executive, Delaware State Housing Authority	Housing Trust Fund	\$3,000,000	\$0	\$0	0.00	0.00	0.00
14	4439	Department of State, Libraries	Library Services and Technology Act	\$1,166,087	\$634,814	\$0	7.00	8.00	0.00
15	4485	Department of State, Arts, Office of the Director	Promotion of the Arts -Partnership Agreement	\$734,500	\$3,832,349	\$75,000	3.00	5.00	0.00
16	4364	Department of Health and Social Services, Social Services	Temporary Assistance For Needy Families	\$32,290,978	\$29,028,092	\$0	125.75	0.00	0.00
17	4367	Department of Health and Social Services, Social Services	Temporary Assistance for Needy Families - Contingency	\$3,729,985	\$0	\$0	0.00	0.00	0.00
18	4409	Department of Health and Social Services, Public Health, Community Health	Immunization and Vaccines for Children	\$1,923,524	\$0	\$0	15.40	0.00	0.00
19	4417	Department of Health and Social Services, Public Health, Community Health	Early Childhood Comprehensive Systems	\$426,475	\$0	\$0	1.00	0.00	0.00
20	4419	Department of Health and Social Services, Public Health, Community Health	State Indoor Radon Grant	\$300,000	\$204,538	\$0	0.20	0.61	0.00
21	4422	Department of Health and Social Services, Social Services	Delaware Senior Medicare Patrol Program Funds	\$241,734	\$0	\$0	1.00	0.00	0.00
22	4423	Department of Health and Social Services, Medicaid and Medical Assistance	Children's Health Insurance Program	\$47,995,343	\$7,341,196	\$0	1.15	1.15	0.00
23	4425	Department of Health and Social Services, Medicaid and Medical Assistance	Medicaid Services XIX-MAP18	\$1,242,973,000	\$748,223,067	\$0	0.00	0.00	0.00
24	4426	Department of Health and Social Services, Medicaid and Medical Assistance	Medicaid Administration XIX	\$76,008,970	\$41,406,357	\$0	246.50	251.10	0.00
25	4427	Department of Health and Social Services, Medicaid and Medical Assistance	Health Information Technology Initiatives-Provider Incentive Payments	\$2,887,650	\$320,850	\$0	0.00	0.00	0.00
26	4428	Department of Health and Social Services, Medicaid and Medical Assistance	Health Information Technology Initiatives-Administrative Implementation	\$1,452,191	\$161,355	\$0	1.80	0.20	0.00
27	4429	Department of Health and Social Services, Medicaid and Medical Assistance	Section 1003 Demonstration Project to Increase Substance Use Provider Capacity	\$3,579,864	\$0	\$0	0.00	0.00	0.00
28	4466	Department of Health and Social Services, Public Health, Community Health	Behavioral Risk Factor Surveillance System	\$428,916	\$0	\$0	0.00	0.00	0.00
29	4469	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Laboratory Capacity for Infectious Diseases	\$3,661,255	\$0	\$0	8.25	0.25	0.00
30	4496	Department of Health and Social Services, Social Services	Child Care Development-Discretionary	\$14,202,295	\$0	\$0	8.76	0.00	0.00
31	4498	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program	\$14,115,656	\$13,861,353	\$0	62.63	62.63	0.00
32	4500	Department of Health and Social Services, State Service Centers	AmeriCorps State Formula Fixed Amount	\$60,800	\$0	\$0	0.00	0.00	0.00
33	4522	Department of Health and Social Services, Child Support Services	Child Support Enforcement	\$25,265,988	\$12,189,372	\$0	129.36	66.64	0.00
34	4523	Department of Health and Social Services, Child Support Services	Child Support Enforcement Incentive	\$1,208,489	\$0	\$0	21.00	0.00	0.00
35	2020-05-04-01	Department of Health and Social Services, Administration, Office of the Secretary, Health Care Commission	Statewide Health Care Innovation Plan	\$0	\$0	\$500,000	0.00	0.00	0.00
36	4444	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Cooperating Technical Partnership Grant	\$90,000	\$0	\$0	0.59	0.00	0.00
37	4445	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Nonpoint Source Implementation Grant	\$1,189,500	\$560,068	\$239,599	4.36	2.80	0.00
38	4448	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	W-35-R-18 Wildlife Investigations-White-tailed Deer	\$500,000	\$166,667	\$0	0.44	0.42	0.00
39	4460	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Coastal Programs	Delaware National Estuarine Research Reserve Operations	\$1,529,249	\$655,393	\$0	4.50	1.90	0.00
40	4476	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Port Security Grant Program	\$356,568	\$64,728	\$0	0.00	0.00	0.00

41	4477	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	W-44-R-3 National Bobwhite Conservation Initiative	\$25,075	\$0	\$8,358	0.00	0.00	0.00
42	4478	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	W-36-R-21 Wildlife Investigations- Surveys	\$120,000	\$40,000	\$0	0.06	0.09	0.00
43	4480	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Coastal Programs	Delaware Coastal Management Program Implementation	\$3,199,950	\$3,031,950	\$0	9.50	9.60	0.00
44	4482	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Community Assistance Program	\$108,876	\$27,219	\$0	0.98	0.12	0.00
45	4494	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Shellfish Sanitation Grant	\$18,474	\$0	\$0	0.00	0.00	0.00
46	3660 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Division of Waste and Hazardous Substances	Support Agency Cooperative Agreement - Core	\$310,000	\$62,551	\$0	1.15	0.30	0.00
47	3998 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Division of Waste and Hazardous Substances	Hockessin Cleaners PCE Site Operable Unit 2 RI/FS	\$1,029	\$0	\$0	0.01	0.00	0.00
48	3999 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Division of Waste and Hazardous Substances	Hockessin Sunrise Cleaners PCE Site Operable Unit 3 RI/FS	\$1,029	\$0	\$0	0.01	0.00	0.00
49	4101 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Brownfield Revitalization	\$450,424	\$0	\$0	2.85	0.00	0.00
50	4398	Department of Labor, Employment and Training, Employment and Training Services	Apprenticeship USA State Expansion Grants	\$714,251	\$0	\$0	0.65	0.00	0.00
51	4461	Department of Labor, Employment and Training, Employment and Training Services	Workforce Innovation and Opportunity Act - Adult	\$2,108,605	\$0	\$0	10.37	0.00	0.00
52	4462	Department of Labor, Employment and Training, Employment and Training Services	Workforce Innovation and Opportunity Act - Dislocated Worker	\$2,403,520	\$0	\$0	13.48	0.00	0.00
53	4463	Department of Labor, Employment and Training, Employment and Training Services	Workforce Innovation and Opportunity Act - Youth	\$2,219,198	\$0	\$0	3.15	0.00	0.00
54	4464	Department of Labor, Employment and Training, Employment and Training Services	Wagner-Peyser Act, Employment Services	\$1,856,198	\$0	\$0	22.15	0.00	0.00
55	4414	Department of Agriculture, Pesticides	Performance Partnership Grant	\$320,000	\$87,162	\$0	2.00	0.92	0.00
56	4443	Department of Agriculture, Plant Industries	Spotted Lanternfly Survey	\$583,000	\$0	\$0	1.00	0.00	0.00
57	4483	Department of Agriculture, Forest Service	Forest Legacy Administration	\$30,000	\$10,362	\$0	0.00	0.08	0.00
58	4484	Department of Agriculture, Forest Service	Chesapeake Bay Watershed	\$20,000	\$60	\$19,940	0.00	0.00	0.00
59	4489	Department of Agriculture, Forest Service	State Fire Assistance	\$115,448	\$85,001	\$30,447	0.58	0.74	0.00
60	4490	Department of Agriculture, Forest Service	Urban and Community Forestry	\$200,000	\$164,920	\$35,080	1.45	1.64	0.00
61	4491	Department of Agriculture, Forest Service	Volunteer Fire Assistance	\$30,505	\$8,505	\$22,000	0.07	0.00	0.00
62	4492	Department of Agriculture, Forest Service	Forest Stewardship	\$64,900	\$64,900	\$0	0.46	0.65	0.00
63	4493	Department of Agriculture, Forest Service	Forest Health Management and Monitoring	\$83,000	\$83,000	\$0	0.57	0.79	0.00
64	4499	Department of Agriculture, Agricultural Lands Preservation Foundation	Agricultural Conservation Easement Program	\$5,000,000	\$5,000,000	\$0	0.00	0.00	0.00
65	4501	Department of Education, Student Support	Child Nutrition State Administrative Expense	\$1,141,639	\$276,523	\$0	4.05	2.50	0.00
66	4502	Department of Education, Student Support	National School Breakfast Program	\$15,013,878	\$0	\$0	0.00	0.00	0.00
67	4503	Department of Education, Student Support	National School Lunch Program	\$38,771,359	\$487,127	\$0	0.00	0.00	0.00
68	4504	Department of Education, Student Support	Special Milk Program	\$4,076	\$0	\$0	0.00	0.00	0.00

69	4505	Department of Education, Student Support	Child and Adult Care Food Program	\$18,962,918	\$0	\$0	2.00	0.00	0.00
70	4506	Department of Education, Student Support	Child and Adult Care Food Program Cash In Lieu	\$645,436	\$0	\$0	0.00	0.00	0.00
71	4507	Department of Education, Student Support	Child and Adult Care Food Program Sponsor Admin	\$604,952	\$0	\$0	0.00	0.00	0.00
72	4508	Department of Education	Summer Food Service Program	\$2,451,870	\$0	\$0	0.45	0.00	0.00
73	4509	Department of Education	Fresh Fruit and Vegetables	\$2,200,917	\$0	\$0	0.00	0.00	0.00
74	4518	Department of Education	Equipment Assistance Grant	\$89,184	\$0	\$0	0.00	0.00	0.00

Higher Education

1	4561	Delaware Technical Community College	National Institute of Standards and Technology Manufacturing Extension Partnership Emergency Assistance Program CARES Act - COVID-19	\$93,000	\$0	\$0			
2	4397	Delaware Technical Community College	CW STEM UP Delaware - DoD	\$3,000,000	\$0	\$0			
3	4411	Delaware Technical Community College	Technician Training in Gene Editing 2.0 ATE	\$569,207	\$0	\$0			
4	4437	Delaware Technical Community College	PELL Grant	\$21,713,747	\$0	\$0			
5	4438	Delaware Technical Community College	Federal Direct Student Loan Program	\$12,935,533	\$0	\$0			
6	2020-07-18-01	Delaware State University	Reducing The Impact Of SARS-COV-2 And Related Disruptions On The Local Food Supply Chain In Minority Communications In 1890 Land	\$996,691	\$0	\$0			
7	2020-07-18-02	Delaware State University	Social, Behavioral And Health Determinants Of Covid-19 Transmission In Undeserved Communities	\$249,953	\$0	\$0			
8	2020-07-18-03	Delaware State University	DDOC Key/Crest Recidivism Study	\$43,428	\$0	\$0			
9	2020-07-18-04	Delaware State University	Improving Producer-Consumer Marketing Potential	\$624,963	\$0	\$0			
10	2020-07-18-05	Delaware State University	Small Business Website Initiative	\$300,000	\$0	\$0			
11	2020-07-18-06	Delaware State University	Evolved RNA Recognition Motifs For Therapeutic Discovery And Gene Editing	\$438,000	\$0	\$0			
12	2020-07-18-07	Delaware State University	Transcriptomic And Structural Variation In Olfactory Circuits In Alzheimer's Disease.	\$34,694	\$0	\$0			
13	2020-07-18-08	Delaware State University	U-RISE Delaware State University Supplement: Building Interactive Online Training Modules.	\$117,732	\$0	\$0			
14	2020-07-18-09	Delaware State University	Promoting Mental Wellness And Resilience In Rural Communities: Developing A Mindful Based Approach	\$14,250	\$0	\$0			
15	2020-07-18-10	Delaware State University	Biocarbon based Supercapacitors With Improved Ionic Conductivity.	\$20,000	\$0	\$0			

16	2020-07-18-11	Delaware State University	Value-Added Systems And Technology	\$75,000	\$0	\$0
17	2020-07-18-12	Delaware State University	Effectiveness Of Deer Deterrent Methods To Safeguard Speciality Crops	\$49,820	\$0	\$0
18	2020-07-18-13	Delaware State University	Accurate Non-Invasive Measures Of Skeletal Muscle Loss In Older Adults With Impaired Glucose States	\$113,846	\$0	\$0
19	2020-07-18-14	Delaware State University	Carbon And Nutrient Recovery/Reuse Throughout The Aquaculture Production Supply Chain	\$7,187	\$0	\$0
20	2020-07-18-15	Delaware State University	HPC Cliuster to Strengthen Delaware State University Genomic Core Center	\$165,516	\$0	\$0
21	2020-07-18-16	Delaware State University	Towards Preceision Medicine In Epilepsy	\$401,500	\$0	\$0
22	2020-07-18-17	Delaware State University	Improving the effectiveness Of Farmers Outreach As An Agriculture Service Provider In Dellaware And The Eastern Shore Of Maryland	\$166,665	\$0	\$0
23	2020-07-18-18	Delaware State University	DOD Center Of Excellence In Advanced Quantum Sensing (COE-AQS)	\$7,480,156	\$0	\$0
24	2020-07-18-19	Delaware State University	Increase Participation Of Minority Students In Food And Agricultural Sciences To Strengthen America's Scientific And Technological Leadership Workforce.	\$246,000	\$0	\$0
25	2020-07-18-20	Delaware State University	Vesicular Acetylcholine Transporter Trafficking During Synaptic Transmission	\$955,783	\$0	\$0
26	2020-07-04-01	University of Delaware	Silicon Photonics enabled Reconfigurable Optical Analog Processor (SiROAP)	\$809,889	\$0	\$0
27	2020-07-04-02	University of Delaware	Public Perceptions Of Misinformation, Disinformation, And Conspiracy Theories About Covid-19	\$0	\$0	\$47,700
28	2020-07-04-03	University of Delaware	Staff Development and Leadership Training	\$0	\$0	\$351,479
29	2020-07-04-04	University of Delaware	Improving the Quality of Learning Opportunities For All Students in Virtual Environment	\$0	\$0	\$49,998
30	2020-07-04-05	University of Delaware	Side-scan Sonar Object Detection Project	\$0	\$0	\$47,850
31	2020-07-04-06	University of Delaware	Collaborative Research: Floodplain Management In The United States: Where, Why, And How Policies To Limit Or Remove Development Have Shaped Exposure Outcomes	\$283,014	\$0	\$0
32	2020-07-04-07	University of Delaware	RAPIDS2: A SciDAC Institute For Computer Science, Data, And Artificial Intelligence	\$516,467	\$0	\$0
33	2020-07-04-08	University of Delaware	UniProt: A Protein Sequence and Function Resource for Biomedical Science	\$0	\$0	\$83,333
34	2020-07-04-09	University of Delaware	Function And Regulation Of Canonical Wnt Signaling	\$1,637,195	\$0	\$0
35	2020-07-04-10	University of Delaware	CICOMS - Center for Intelligent Coastal and Ocean Mapping Systems	\$5,963,475	\$0	\$0
36	2020-07-04-11	University of Delaware	Delaware Hatch (Regular Fund) FY 20	\$59,357	\$0	\$0

37	2020-07-04-12	University of Delaware	Valorization Of Food Waste Into Added-Value Products	\$350,017	\$0	\$0
38	2020-07-04-13	University of Delaware	A Wormhole In Time-Series: Integrating Time-Series Analyses In Educational Research And Measures Of Educational Attainment	\$0	\$0	\$50,000
39	2020-07-04-14	University of Delaware	Ensuring Offshore Wind Success Through Science & Public Participation	\$0	\$0	\$30,000
40	2020-07-04-15	University of Delaware	Stories Of The Vanishing Historic Architecture Of The Mid-Atlantic	\$36,513	\$0	\$0
41	2020-07-04-16	University of Delaware	Borealis Philanthropy Dif COVID-19 Rapid Response Fund	\$0	\$0	\$11,876
42	2020-07-04-17	University of Delaware	EAGER: NSF 2026: Enhancing Diverse STEM Identities Through User-Specific Immersive Storytelling	\$198,115	\$0	\$0
43	2020-07-04-18	University of Delaware	RII Track-4: Robust and Unified Multi-Sensor Calibration For Autonomous Systems	\$169,483	\$0	\$0
44	2020-07-04-19	University of Delaware	Eating Better Together (EBT): A Primary Care-Based Childhood Obesity Program Containing A Fruit And Vegetable Rx For The Underserved	\$0	\$0	\$72,530
45	2020-07-04-20	University of Delaware	Center for Neutron Science at the University of Delaware: Neutron Metrology for Solving Grand Challenge Problems by Engineering the Tools of Scientific Discovery	\$3,730,473	\$0	\$0
46	2020-07-04-21	University of Delaware	Remote Teaching And Learning For Young English Learners During The COVID-19 Pandemic	\$0	\$0	\$12,497
47	2020-07-04-22	University of Delaware	Augmented Reality (AR) Software For AF Maintenance Training Applications	\$0	\$0	\$18,760
48	2020-07-04-23	University of Delaware	Cross-Cutting Metrology Tools For In Operando Characterization Of Carrier Dynamics In Photovoltaic Devices	\$0	\$0	\$2
49	2020-07-04-24	University of Delaware	School'S Out For . . . Spring? Understanding The Response Of School Districts In The United States To COVID-19-Related Disruptions	\$0	\$0	\$14,210
50	2020-07-04-25	University of Delaware	Department Of Health And Human Services New Directions Early Head Start Year 23 COVID	\$53,548	\$0	\$0
51	2020-07-04-26	University of Delaware	Cell-Mediated Antiretroviral Drug Transport In The Lymph Node	\$275,002	\$0	\$0
52	2020-07-04-27	University of Delaware	Can Survivor-Centered Approaches Work During A Pandemic?	\$0	\$0	\$146,496
53	2020-07-04-28	University of Delaware	Reu Site: Summer Reu Program In Marine Science At The University Of Delaware	\$61,431	\$0	\$0
54	2020-07-04-29	University of Delaware	Manufacturing Usa: Biomanufacturing Of Cell Microparticles From Stem Cells As Novel Thrombotic Therapeutic Agents	\$59,044	\$0	\$0
55	2020-07-04-30	University of Delaware	Scale-Up And Development Of Carbon Dioxide Electrolyzers For Methanol	\$0	\$0	\$392,478
56	2020-07-04-31	University of Delaware	Carbonate microbiome	\$35,983	\$0	\$0
57	2020-07-04-32	University of Delaware	Network Visioning - Eastern Regional Seafood Safety And Quality Network And Training	\$14,524	\$0	\$0

58	2020-07-04-33	University of Delaware	A Regional Approach To Achieving a National Water Resources Vision: Linking Headwaters To Coastal Waters	\$16,618	\$0	\$0
59	2020-07-04-34	University of Delaware	Teacher Induction And Mentoring Professional Development	\$0	\$0	\$213,660
60	2020-07-04-35	University of Delaware	Mechanisms Of Symbiotic Nitrogen (N)-Fixing Bacterial Interactions With Plant Growth Promoting Rhizobacteria	\$500,040	\$0	\$0
61	2020-07-04-36	University of Delaware	Peptide Scaffolds For Corona Virus Detection	\$0	\$0	\$50,000
62	2020-07-04-37	University of Delaware	Falls, Function And Novel Determinants Among Older Adults With Lower-Limb Amputation	\$1,547,757	\$0	\$0
63	2020-07-04-38	University of Delaware	NASA SBIR/STTR 2016-II-E Shear Thickening Fluid (STF)-Enhanced Textiles For Durable, Cut- And Puncture-Resistant Environmental Protective Garment (EPG) Materials	\$0	\$0	\$30,948
64	2020-07-04-39	University of Delaware	Covid-19 Spillover? How The Covid-19 Information Environment Affects Perceptions Of Scientific Research And Alzheimer'S Disease Prevention Efforts	\$0	\$0	\$446,684
65	2020-07-04-40	University of Delaware	Development Of Biological Control Methods For Management Of Spotted Lanternfly	\$19,895	\$0	\$0
66	2020-07-04-41	University of Delaware	Scalable Hydroxide Exchange Membrane-based CO2 Electrolysis Technology	\$0	\$0	\$281,253
67	2020-07-04-42	University of Delaware	Discovering the ever-changing sky with the Flatiron CCA and the Rubin Observatory LSST	\$141,059	\$0	\$0
68	2020-07-04-43	University of Delaware	The High-Energy Emission Of The Doubly-Magnetic Massive Binary Epsilon Lupi	\$27,610	\$0	\$0
69	2020-07-04-44	University of Delaware	Risk-Taking Behavior Among Adolescents With Congenital Heart Disease (CHD)	\$0	\$0	\$1,000
70	2020-07-04-45	University of Delaware	NIH PCO Duncan Admin SUP Angle	\$84,591	\$0	\$0
71	2020-07-04-46	University of Delaware	Multi-Collector Inductively Coupled Plasma Mass Spectrometry System for Basic Research in Environmental Chemistry	\$1,347,894	\$0	\$0
72	2020-07-04-47	University of Delaware	Understanding Of Atlantic Sturgeon Migratory Patterns: Integrating Telemetry And Genetics For Distinct Population Segment-Specific Insights	\$351,513	\$0	\$0
73	2020-07-04-48	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	\$27,215
74	2020-07-04-49	University of Delaware	U.S. Urban Land Use Projections For The 21St Century	\$75,527	\$0	\$0
75	2020-07-04-50	University of Delaware	Vocabulary Development In Chinese- And Spanish-Speaking English Learners: Long-Term Impact Of Home Language Input During The Covid-19 Pandemic Period	\$0	\$0	\$2,000
76	2020-07-04-51	University of Delaware	Stereolithography Additive Manufacturing Of Silicon Carbide	\$0	\$0	\$159,668
77	2020-07-04-52	University of Delaware	VA IPA Post-Incarceration Engagement (PIE) Project Visser	\$10,000	\$0	\$0
78	2020-07-04-53	University of Delaware	Upcycling Of Polystyrene Waste To Organic Electronics For Energy Storage	\$0	\$0	\$50,000

79	2020-07-04-54	University of Delaware	HensNest Rapid Manufacture Face Mask	\$0	\$0	\$62,500
80	2020-07-04-55	University of Delaware	Relationships Between Motor, Social Communication, Cognitive, And Functional Abilities As Well As Repetitive Behaviors In Children With Asd	\$0	\$0	\$163,935
81	2020-07-04-56	University of Delaware	Sex-Specific Differences In Meiosis	\$1,250,000	\$0	\$0
82	2020-07-04-57	University of Delaware	Combining Pharmacological And Behavioral Techniques To Inhibit Persistent Fear Memory In Post Traumatic Stress Disorder.	\$200,000	\$0	\$0
83	2020-07-04-58	University of Delaware	Enhancing Documentation Of Lost Navy Aircraft Associated With U.S. Service Members Missing-In-Action	\$187,660	\$0	\$0
84	2020-07-04-59	University of Delaware	Spurring Economic Growth And Enhancing The Environment Through The Development Of An Oyster Remote Setting System In Delaware	\$105,146	\$0	\$0
85	2020-07-04-61	University of Delaware	Scaling-Up Precision Sustainable Integrated Weed Management Solutions To Us Field Crop Producers	\$0	\$0	\$180,000
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89	2020-07-04-65	University of Delaware	Economic Recessions, Federal Aid, And School Resource Inequality: Implications For The Era Of Coronavirus	\$0	\$0	\$16,551
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91	2020-07-04-67	University of Delaware	Department Of Health And Human Services New Directions Early Head Start Year 24	\$2,508,463	\$0	\$0
92	2020-07-04-68	University of Delaware	Department Of Health And Human Services New Directions Early Head Start Year 24	\$116,139	\$0	\$0
93	2020-07-04-69	University of Delaware	Ex Vivo Mouse Lung Explant Model To Study Immune Interactions In Covid-19 Progression	\$249,519	\$0	\$0
94	2020-07-04-70	University of Delaware	Instrumentation To Observe Interfacial Processes In Real-Time	\$191,752	\$0	\$0
95	2020-07-04-71	University of Delaware	Developing A Novel Method To Sanitize Fresh Produce And Disinfect Wash Water Using Micronanobubbles	\$389,242	\$0	\$0
96	2020-07-04-72	University of Delaware	Developing a novel method to sanitize fresh produce and disinfect wash water using micronanobubbles	\$0	\$0	\$10,327
97	2020-07-04-73	University of Delaware	The Impact Of Artificial Light On Arctic Marine Organisms And Ecosystems	\$0	\$0	\$23,196
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100	2020-07-04-76	University of Delaware	Professional Development, In Person And On-Line, For 1St Year Teachers In Effective Classroom Management And Instruction, From Theory To Practice.	\$0	\$0	\$239,087
101	2020-07-04-77	University of Delaware	New Biodegradable Respirator Materials For Covid-19 Pandemic	\$0	\$0	\$50,680
102	2020-07-04-78	University of Delaware	Roads Diverge Ii: Life Course Patterns Of Intermittent Desistance For A Mixed-Race And Gender Re-Entry Cohort Followed For Three Decades	\$506,393	\$0	\$0
103	2020-07-04-79	University of Delaware	NCEI Engagement Funding	\$0	\$0	\$3,906
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105	2020-07-04-81	University of Delaware	Statistical Learning Of Speech And Music In Children With Asd: Combining Evidence From Brain Connectivity And Dynamics	\$0	\$0	\$268,045
106	2020-07-04-82	University of Delaware	Tendon Loading Profiles To Promote Healing In Achilles Tendinopathy	\$0	\$0	\$413,313
107	2020-07-04-83	University of Delaware	Reducing Social Isolation For Adults With Chronic Communication Disabilities	\$892,136	\$0	\$0
108	2020-07-04-84	University of Delaware	Reducing social isolation for adults with chronic communication disabilities	\$0	\$0	\$41,153
109	2020-07-04-85	University of Delaware	Directed Funding for IOOS MBON Support	\$0	\$0	\$11,719
110	2020-07-04-86	University of Delaware	Molecularly Engineering Using Biomimetic Proteoglycans For Improved Mechanotransduction In Degenerative Disease	\$0	\$0	\$110,000
111	2020-07-04-87	University of Delaware	Spinning Disk Confocal And Single Molecule Localization Microscope	\$561,735	\$0	\$0
112	2020-07-04-88	University of Delaware	Foxe3 And single cell RNA-Seq In The Developing Eye And Lens	\$0	\$0	\$80,450
113	2020-07-04-89	University of Delaware	Achieving Nutritional, Environmental, And Economic Co-Benefits Through Global Crop Diversification	\$0	\$0	\$403,016
114	2020-07-04-90	University of Delaware	Nanoparticle-Mediated Inhibition Of Bcl-2 And Notch Signaling To Treat Triple-Negative Breast Cancer	\$1,250,000	\$0	\$0
115	2020-07-04-91	University of Delaware	Evaluation Of The Regional Educational Laboratories, Supplemental Proposal	\$0	\$0	\$82,013
116	2020-07-04-92	University of Delaware	4H Programming In Ncc, Rt9 And Knollwood For FY2021	\$0	\$0	\$84,000
117	2020-07-04-93	University of Delaware	Linking Nano-Macro Scales To Develop Ultratough Multimaterial Ceramic Matrix (Mcm) Composites	\$344,228	\$0	\$0
118	2020-07-04-94	University of Delaware	Radio America Production Of Educational Audio And Video Features For The Center For Economic Educations & Entrepreneurship	\$0	\$0	\$49,091
119	2020-07-04-95	University of Delaware	Assessing The Impacts Of The Covid-19 Pandemic On Domestic Violence Services	\$0	\$0	\$4,781
120	2020-07-04-96	University of Delaware	Keeping Herbicides On-Target In High-Residue Cover Cropping Systems	\$0	\$0	\$52,319

121	2020-07-04-97	University of Delaware	Keeping Herbicides On-Target In High-Residue Cover Cropping Systems	\$0	\$0	\$301,104
122	2020-07-04-98	University of Delaware	Process Modeling Project	\$0	\$0	\$95,000
123	2020-07-04-99	University of Delaware	Electrochemically-Driven Carbon Dioxide Separation	\$500,000	\$0	\$0
124	2020-07-05-01	University of Delaware	University of Delaware EIP - Extension Implementation Continuation	\$171,219	\$0	\$0
125	2020-07-05-02	University of Delaware	Adaptation Of The Caribbean-Proven Sustained Mitigation, Adaptation And Resilient Technique (Smart) Hospitals Model To Build The Climate Resilience Of Health Facilities In Coastal Virginia, Using The Resilience Adaptation Feasibility Tool (The Raft).	\$0	\$0	\$135,392
126	2020-07-05-03	University of Delaware	Targeting The Extracellular Matrix: The Role Of Endothelial-Mesenchymal Transition In Pulmonary Hypertension Due To Congenital Diaphragmatic Hernia	\$0	\$0	\$758,065
127	2020-07-05-04	University of Delaware	Data Management And Storage System For Shared Resource Facilities	\$599,921	\$0	\$0
128	2020-07-05-05	University of Delaware	Relationships Between Motor And Social Communication Impairments As Well As Repetitive Behavior Severity In Children With Autism Spectrum Disorder (ASD)	\$450,000	\$0	\$0
129	2020-07-05-06	University of Delaware	Relationships Between Motor And Social Communication Impairments As Well As Repetitive Behavior Severity In Children With Autism Spectrum Disorder (ASD)	\$1,774,828	\$0	\$0
130	2020-07-05-07	University of Delaware	Development And Round-Robin Verification Of Dynamic Rtd Models For The On-Line Product Quality Analysis	\$0	\$0	\$229,700
131	2020-07-05-08	University of Delaware	FMSG: Manufacturing Spatially Patterned Bio-Polymers Using Microrobotic Strategies	\$318,207	\$0	\$0
132	2020-07-05-09	University of Delaware	Quantifying Crop Biomechanics Across Plant Lifespans	\$230,511	\$0	\$0
133	2020-07-05-10	University of Delaware	Using Viirs To Operationalize Dynamic Ebm Tools On The U.S. East And West Coasts	\$0	\$0	\$44,192
134	2020-07-05-11	University of Delaware	Uncovering Clinical Evidence In COVID-19 Publications: An Integrated Search Via Text & Images	\$61,028	\$0	\$0
135	2020-07-05-12	University of Delaware	Combined Effect Of User-Driven Treadmill With Functional Electrical Stimulation For Post-Stroke Gait Rehabilitation (Udtm+Fes)	\$1,356,174	\$0	\$0
136	2020-07-05-13	University of Delaware	NOAA NWS National Mesonet Program 2020	\$0	\$0	\$105,644
137	2020-07-05-14	University of Delaware	Novel Class Of Monoclonal Antibodies Against Ubiquitinated Proteins For Immunodiagnostics	\$0	\$0	\$59,572
138	2020-07-05-15	University of Delaware	Planet Validation Software	\$358,353	\$0	\$0
139	2020-07-05-16	University of Delaware	FMRG: Type I: Secure And Data Driven Cyber Manufacturing Systems	\$0	\$0	\$310,422
140	2020-07-05-17	University of Delaware	Bacterial Utilization Of The Organosulfur Compound Dimethylsulfoniopropionate (DMSP) As An Abiotic Stress Protectant	\$517,770	\$0	\$0
141	2020-07-05-18	University of Delaware	Enhancing The Safety And Quality Of Fresh Produce And Low-Moisture Foods By Waterless Non-Thermal Technologies	\$0	\$0	\$218,741

142	2020-07-05-19	University of Delaware	Therapeutic Vibrating Motor Using Shape Memory Alloy Springs	\$0	\$0	\$37,500
143	2020-07-05-20	University of Delaware	Addressing Critical Data Gaps Essential For Enhancing Covid Culture In Food Production	\$463,987	\$0	\$0
144	2020-07-05-21	University of Delaware	United States East Coast Tsunami Hazard Program	\$0	\$0	\$42,089
145	2020-07-05-22	University of Delaware	Law And Policy Tools For Managed Retreat In New York And California	\$0	\$0	\$114,556
146	2020-07-05-23	University of Delaware	RAPID: Enzyme-Free Detection Of SARS-CoV2 Using A PAINT-Based Single-Molecule Microscopy Assay	\$125,012	\$0	\$0
147	2020-07-05-24	University of Delaware	Structure, Immunity And Microbiome: Human 3D Biomimetic Cervicovaginal Models For Sexually Transmitted Infections (SIM-STI)	\$0	\$0	\$1,895,149
148	2020-07-05-25	University of Delaware	Prevention Of OA via The Regulation Of Chondrocyte Mechanotransduction	\$1,250,002	\$0	\$0
149	2020-07-05-26	University of Delaware	The Role Of Family Child Care Providers In Supporting School-Age Children, Families, And Schools During The Covid-19 Pandemic	\$0	\$0	\$19,999
150	2020-07-05-27	University of Delaware	Distant Learning Offline Solution For Early Education.	\$0	\$0	\$39,634
151	2020-07-05-28	University of Delaware	FMSG: Programmable Cellular Processing Of Future Functional Structures And Assemblages In Manufacturing	\$0	\$0	\$146,198
152	2020-07-05-29	University of Delaware	FMRG: Scalable Hybrid Biological/Electrocatalytic Co-Conversion Of Biomass Sugars, CO2 & Waste Gases To C4-C6 Chemicals	\$2,827,213	\$0	\$0
153	2020-07-05-30	University of Delaware	FMRG: Molecular And Cellular Engineering For Ultra-Intensification Of Biopharmaceutical Manufacturing	\$2,458,572	\$0	\$0
154	2020-07-05-31	University of Delaware	FMRG: Monitoring, Machine Learning, And Control For Closed Loop Functional Additive Manufacturing of 3D Electronics	\$1,967,074	\$0	\$0
155	2020-07-05-32	University of Delaware	Pathways To Mental Health Care: Examining The Longitudinal Impact Of Stigma Mechanisms On Treatment Engagement In Emerging Adults	\$2,349,418	\$0	\$0
156	2020-07-05-33	University of Delaware	Examining Provider Participation In The Child Care Subsidy System: A Mixed Methods Study	\$50,000	\$0	\$0
157	2020-07-05-34	University of Delaware	Purification Of Peptide Conjugates From Fermentation Using Catechol-Boronate Coupling	\$0	\$0	\$45,000
158	2020-07-18-20	Delaware State University	Development And Round Robin Verification Of Dynamic Rtd Models For The On-Line Product-Quality Analysis	\$0	\$0	\$229,700
159	2020-07-04-01	University of Delaware	Silicon Photonics enabled Reconfigurable Optical Analog Processor (SiROAP)	\$809,889	\$0	\$0
160	2020-07-04-02	University of Delaware	Public Perceptions Of Misinformation, Disinformation, And Conspiracy Theories About Covid-19	\$0	\$0	\$47,700
161	2020-07-04-03	University of Delaware	Staff Development and Leadership Training	\$0	\$0	\$351,479
162	2020-07-04-04	University of Delaware	Improving the Quality of Learning Opportunities For All Students in Virtual Environment	\$0	\$0	\$49,998

163	2020-07-04-05	University of Delaware	Side-scan Sonar Object Detection Project	\$0	\$0	\$47,850
164	2020-07-04-06	University of Delaware	Collaborative Research: Floodplain Management In The United States: Where, Why, And How Policies To Limit Or Remove Development Have Shaped Exposure Outcomes	\$283,014	\$0	\$0
165	2020-07-04-07	University of Delaware	RAPIDS2: A SciDAC Institute For Computer Science, Data, And Artificial Intelligence	\$516,467	\$0	\$0
166	2020-07-04-08	University of Delaware	UniProt: A Protein Sequence and Function Resource for Biomedical Science	\$0	\$0	\$83,333
167	2020-07-04-09	University of Delaware	Function And Regulation Of Canonical Wnt Signaling	\$1,637,195	\$0	\$0
168	2020-07-04-10	University of Delaware	CICOMS - Center for Intelligent Coastal and Ocean Mapping Systems	\$5,963,475	\$0	\$0
169	2020-07-04-11	University of Delaware	Delaware Hatch (Regular Fund) FY 20	\$59,357	\$0	\$0
170	2020-07-04-12	University of Delaware	Valorization Of Food Waste Into Added-Value Products	\$350,017	\$0	\$0
171	2020-07-04-13	University of Delaware	A Wormhole In Time-Series: Integrating Time-Series Analyses In Educational Research And Measures Of Educational Attainment	\$0	\$0	\$50,000
172	2020-07-04-14	University of Delaware	Ensuring Offshore Wind Success Through Science & Public Participation	\$0	\$0	\$30,000
173	2020-07-04-15	University of Delaware	Stories Of The Vanishing Historic Architecture Of The Mid-Atlantic	\$36,513	\$0	\$0
174	2020-07-04-16	University of Delaware	Borealis Philanthropy Dif COVID-19 Rapid Response Fund	\$0	\$0	\$11,876
175	2020-07-04-17	University of Delaware	EAGER: NSF 2026: Enhancing Diverse STEM Identities Through User-Specific Immersive Storytelling	\$198,115	\$0	\$0
176	2020-07-04-18	University of Delaware	RII Track-4: Robust and Unified Multi-Sensor Calibration For Autonomous Systems	\$169,483	\$0	\$0
177	2020-07-04-19	University of Delaware	Eating Better Together (EBT): A Primary Care-Based Childhood Obesity Program Containing A Fruit And Vegetable Rx For The Underserved	\$0	\$0	\$72,530
178	2020-07-04-20	University of Delaware	Center for Neutron Science at the University of Delaware: Neutron Metrology for Solving Grand Challenge Problems by Engineering the Tools of Scientific Discovery	\$3,730,473	\$0	\$0
179	2020-07-04-21	University of Delaware	Remote Teaching And Learning For Young English Learners During The COVID-19 Pandemic	\$0	\$0	\$12,497
180	2020-07-04-22	University of Delaware	Augmented Reality (AR) Software For AF Maintenance Training Applications	\$0	\$0	\$18,760
181	2020-07-04-23	University of Delaware	Cross-Cutting Metrology Tools For In Operando Characterization Of Carrier Dynamics In Photovoltaic Devices	\$0	\$0	\$2
182	2020-07-04-24	University of Delaware	School'S Out For . . . Spring? Understanding The Response Of School Districts In The United States To COVID-19-Related Disruptions	\$0	\$0	\$14,210
183	2020-07-04-25	University of Delaware	Department Of Health And Human Services New Directions Early Head Start Year 23 COVID	\$53,548	\$0	\$0

184	2020-07-04-26	University of Delaware	Cell-Mediated Antiretroviral Drug Transport In The Lymph Node	\$275,002	\$0	\$0
185	2020-07-04-27	University of Delaware	Can Survivor-Centered Approaches Work During A Pandemic?	\$0	\$0	\$146,496
186	2020-07-04-28	University of Delaware	Reu Site: Summer Reu Program In Marine Science At The University Of Delaware	\$61,431	\$0	\$0
187	2020-07-04-29	University of Delaware	Manufacturing Usa: Biomanufacturing Of Cell Microparticles From Stem Cells As Novel Thrombotic Therapeutic Agents	\$59,044	\$0	\$0
188	2020-07-04-30	University of Delaware	Scale-Up And Development Of Carbon Dioxide Electrolyzers For Methanol	\$0	\$0	\$392,478
189	2020-07-04-31	University of Delaware	Carbonate microbiome	\$35,983	\$0	\$0
190	2020-07-04-32	University of Delaware	Network Visioning - Eastern Regional Seafood Safety And Quality Network And Training	\$14,524	\$0	\$0
191	2020-07-04-33	University of Delaware	A Regional Approach To Achieving a National Water Resources Vision: Linking Headwaters To Coastal Waters	\$16,618	\$0	\$0
192	2020-07-04-34	University of Delaware	Teacher Induction And Mentoring Professional Development	\$0	\$0	\$213,660
193	2020-07-04-35	University of Delaware	Mechanisms Of Symbiotic Nitrogen (N)-Fixing Bacterial Interactions With Plant Growth Promoting Rhizobacteria	\$500,040	\$0	\$0
194	2020-07-04-36	University of Delaware	Peptide Scaffolds For Corona Virus Detection	\$0	\$0	\$50,000
195	2020-07-04-37	University of Delaware	Falls, Function And Novel Determinants Among Older Adults With Lower-Limb Amputation	\$1,547,757	\$0	\$0
196	2020-07-04-38	University of Delaware	NASA SBIR/STTR 2016-II-E Shear Thickening Fluid (STF)-Enhanced Textiles For Durable, Cut- And Puncture-Resistant Environmental Protective Garment (EPG) Materials	\$0	\$0	\$30,948
197	2020-07-04-39	University of Delaware	Covid-19 Spillover? How The Covid-19 Information Environment Affects Perceptions Of Scientific Research And Alzheimer'S Disease Prevention Efforts	\$0	\$0	\$446,684
198	2020-07-04-40	University of Delaware	Development Of Biological Control Methods For Management Of Spotted Lanternfly	\$19,895	\$0	\$0
199	2020-07-04-41	University of Delaware	Scalable Hydroxide Exchange Membrane-based CO2 Electrolysis Technology	\$0	\$0	\$281,253
200	2020-07-04-42	University of Delaware	Discovering the ever-changing sky with the Flatiron CCA and the Rubin Observatory LSST	\$141,059	\$0	\$0
201	2020-07-04-43	University of Delaware	The High-Energy Emission Of The Doubly-Magnetic Massive Binary Epsilon Lupi	\$27,610	\$0	\$0
202	2020-07-04-44	University of Delaware	Risk-Taking Behavior Among Adolescents With Congenital Heart Disease (CHD)	\$0	\$0	\$1,000
203	2020-07-04-45	University of Delaware	NIH PCO Duncan Admin SUP Angle	\$84,591	\$0	\$0
204	2020-07-04-46	University of Delaware	Multi-Collector Inductively Coupled Plasma Mass Spectrometry System for Basic Research in Environmental Chemistry	\$1,347,894	\$0	\$0

205	2020-07-04-47	University of Delaware	Understanding Of Atlantic Sturgeon Migratory Patterns: Integrating Telemetry And Genetics For Distinct Population Segment-Specific Insights	\$351,513	\$0	\$0
206	2020-07-04-48	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	\$27,215
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215	2020-07-04-57	University of Delaware	Combining Pharmacological And Behavioral Techniques To Inhibit Persistent Fear Memory In Post Traumatic Stress Disorder.	\$200,000	\$0	\$0
216	2020-07-04-58	University of Delaware	Enhancing Documentation Of Lost Navy Aircraft Associated With U.S. Service Members Missing-In-Action	\$187,660	\$0	\$0
217	2020-07-04-59	University of Delaware	Spurring Economic Growth And Enhancing The Environment Through The Development Of An Oyster Remote Setting System In Delaware	\$105,146	\$0	\$0
218	2020-07-04-60	University of Delaware	Didactic Framework To Foster The Adoption Of New Monitoring And Analysis Techniques In Museums	\$0	\$0	\$0
219	2020-07-04-61	University of Delaware	Scaling-Up Precision Sustainable Integrated Weed Management Solutions To Us Field Crop Producers	\$0	\$0	\$180,000
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221	2020-07-04-63	University of Delaware	NSF I-Corps Sites New Activities	\$26,795	\$0	\$0
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226	2020-07-04-68	University of Delaware	Department Of Health And Human Services New Directions Early Head Start Year 24	\$116,139	\$0	\$0
227	2020-07-04-69	University of Delaware	Ex Vivo Mouse Lung Explant Model To Study Immune Interactions In Covid-19 Progression	\$249,519	\$0	\$0
228	2020-07-04-70	University of Delaware	Instrumentation To Observe Interfacial Processes In Real-Time	\$191,752	\$0	\$0
229	2020-07-04-71	University of Delaware	Developing A Novel Method To Sanitize Fresh Produce And Disinfect Wash Water Using Micronanobubbles	\$389,242	\$0	\$0
230	2020-07-04-72	University of Delaware	Developing a novel method to sanitize fresh produce and disinfect wash water using micronanobubbles	\$0	\$0	\$10,327
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232	2020-07-04-74	University of Delaware	Multitactical Strategies To Reduce Fusarium Wilt And Phytophthora Fruit Rot In Watermelon (Citrullus Lanatus), While Improving Soil Health	\$0	\$0	\$134,798
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234	2020-07-04-76	University of Delaware	Professional Development, In Person And On-Line, For 1St Year Teachers In Effective Classroom Management And Instruction, From Theory To Practice.	\$0	\$0	\$239,087
235	2020-07-04-77	University of Delaware	New Biodegradable Respirator Materials For Covid-19 Pandemic	\$0	\$0	\$50,680
236	2020-07-04-78	University of Delaware	Roads Diverge II: Life Course Patterns Of Intermittent Desistance For A Mixed-Race And Gender Re-Entry Cohort Followed For Three Decades	\$506,393	\$0	\$0
237	2020-07-04-79	University of Delaware	NCEI Engagement Funding	\$0	\$0	\$3,906
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244	2020-07-04-86	University of Delaware	Molecularly Engineering Using Biomimetic Proteoglycans For Improved Mechanotransduction In Degenerative Disease	\$0	\$0	\$110,000
245	2020-07-04-87	University of Delaware	Spinning Disk Confocal And Single Molecule Localization Microscope	\$561,735	\$0	\$0
246	2020-07-04-88	University of Delaware	Foxe3 And single cell RNA-Seq In The Developing Eye And Lens	\$0	\$0	\$80,450

247	2020-07-04-89	University of Delaware	Achieving Nutritional, Environmental, And Economic Co-Benefits Through Global Crop Diversification	\$0	\$0	\$403,016
248	2020-07-04-90	University of Delaware	Nanoparticle-Mediated Inhibition Of Bcl-2 And Notch Signaling To Treat Triple-Negative Breast Cancer	\$1,250,000	\$0	\$0
249	2020-07-04-91	University of Delaware	Evaluation Of The Regional Educational Laboratories, Supplemental Proposal	\$0	\$0	\$82,013
250	2020-07-04-92	University of Delaware	4H Programming In Ncc, Rt9 And Knollwood For FY2021	\$0	\$0	\$84,000
251	2020-07-04-93	University of Delaware	Linking Nano-Macro Scales To Develop Ultratough Multimaterial Ceramic Matrix (Mcm) Composites	\$344,228	\$0	\$0
252	2020-07-04-94	University of Delaware	Radio America Production Of Educational Audio And Video Features For The Center For Economic Educations & Entrepreneurship	\$0	\$0	\$49,091
253	2020-07-04-95	University of Delaware	Assessing The Impacts Of The Covid-19 Pandemic On Domestic Violence Services	\$0	\$0	\$4,781
254	2020-07-04-96	University of Delaware	Keeping Herbicides On-Target In High-Residue Cover Cropping Systems	\$0	\$0	\$52,319
255	2020-07-04-97	University of Delaware	Keeping Herbicides On-Target In High-Residue Cover Cropping Systems	\$0	\$0	\$301,104
256	2020-07-04-98	University of Delaware	Process Modeling Project	\$0	\$0	\$95,000
257	2020-07-04-99	University of Delaware	Electrochemically-Driven Carbon Dioxide Separation	\$500,000	\$0	\$0
258	2020-07-05-01	University of Delaware	University of Delaware EIP - Extension Implementation Continuation	\$171,219	\$0	\$0
259	2020-07-05-02	University of Delaware	Adaptation Of The Caribbean-Proven Sustained Mitigation, Adaptation And Resilient Technique (Smart) Hospitals Model To Build The Climate Resilience Of Health Facilities In Coastal Virginia, Using The Resilience Adaptation Feasibility Tool (The Raft).	\$0	\$0	\$135,392
260	2020-07-05-03	University of Delaware	Targeting The Extracellular Matrix: The Role Of Endothelial-Mesenchymal Transition In Pulmonary Hypertension Due To Congenital Diaphragmatic Hernia	\$0	\$0	\$758,065
261	2020-07-05-04	University of Delaware	Data Management And Storage System For Shared Resource Facilities	\$599,921	\$0	\$0
262	2020-07-05-05	University of Delaware	Relationships Between Motor And Social Communication Impairments As Well As Repetitive Behavior Severity In Children With Autism Spectrum Disorder (ASD)	\$450,000	\$0	\$0
263	2020-07-05-06	University of Delaware	Relationships Between Motor And Social Communication Impairments As Well As Repetitive Behavior Severity In Children With Autism Spectrum Disorder (ASD)	\$1,774,828	\$0	\$0
264	2020-07-05-07	University of Delaware	Development And Round-Robin Verification Of Dynamic Rtd Models For The On-Line Product Quality Analysis	\$0	\$0	\$229,700
265	2020-07-05-08	University of Delaware	FMSG: Manufacturing Spatially Patterned Bio-Polymers Using Microrobotic Strategies	\$318,207	\$0	\$0
266	2020-07-05-09	University of Delaware	Quantifying Crop Biomechanics Across Plant Lifespans	\$230,511	\$0	\$0
267	2020-07-05-10	University of Delaware	Using Viirs To Operationalize Dynamic Ebm Tools On The U.S. East And West Coasts	\$0	\$0	\$44,192

268	2020-07-05-11	University of Delaware	Uncovering Clinical Evidence In COVID-19 Publications: An Integrated Search Via Text & Images	\$61,028	\$0	\$0
269	2020-07-05-12	University of Delaware	Combined Effect Of User-Driven Treadmill With Functional Electrical Stimulation For Post-Stroke Gait Rehabilitation (Udtm+Fes)	\$1,356,174	\$0	\$0
270	2020-07-05-13	University of Delaware	NOAA NWS National Mesonet Program 2020	\$0	\$0	\$105,644
271	2020-07-05-14	University of Delaware	Novel Class Of Monoclonal Antibodies Against Ubiquitinated Proteins For Immunodiagnostics	\$0	\$0	\$59,572
272	2020-07-05-15	University of Delaware	Planet Validation Software	\$358,353	\$0	\$0
273	2020-07-05-16	University of Delaware	FMRG: Type I: Secure And Data Driven Cyber Manufacturing Systems	\$0	\$0	\$310,422
274	2020-07-05-17	University of Delaware	Bacterial Utilization Of The Organosulfur Compound Dimethylsulfoniopropionate (DMSP) As An Abiotic Stress Protectant	\$517,770	\$0	\$0
275	2020-07-05-18	University of Delaware	Enhancing The Safety And Quality Of Fresh Produce And Low-Moisture Foods By Waterless Non-Thermal Technologies	\$0	\$0	\$218,741
276	2020-07-05-19	University of Delaware	Therapeutic Vibrating Motor Using Shape Memory Alloy Springs	\$0	\$0	\$37,500
277	2020-07-05-20	University of Delaware	Addressing Critical Data Gaps Essential For Enhancing Covid Culture In Food Production	\$463,987	\$0	\$0
278	2020-07-05-21	University of Delaware	United States East Coast Tsunami Hazard Program	\$0	\$0	\$42,089
279	2020-07-05-22	University of Delaware	Law And Policy Tools For Managed Retreat In New York And California	\$0	\$0	\$114,556
280	2020-07-05-23	University of Delaware	RAPID: Enzyme-Free Detection Of SARS-CoV2 Using A PAINT-Based Single-Molecule Microscopy Assay	\$125,012	\$0	\$0
281	2020-07-05-24	University of Delaware	Structure, Immunity And Microbiome: Human 3D Biomimetic Cervicovaginal Models For Sexually Transmitted Infections (SIM-STI)	\$0	\$0	\$1,895,149
282	2020-07-05-25	University of Delaware	Prevention Of OA via The Regulation Of Chondrocyte Mechanotransduction	\$1,250,002	\$0	\$0
283	2020-07-05-26	University of Delaware	The Role Of Family Child Care Providers In Supporting School-Age Children, Families, And Schools During The Covid-19 Pandemic	\$0	\$0	\$19,999
284	2020-07-05-27	University of Delaware	Distant Learning Offline Solution For Early Education.	\$0	\$0	\$39,634
285	2020-07-05-28	University of Delaware	FMSG: Programmable Cellular Processing Of Future Functional Structures And Assemblages In Manufacturing	\$0	\$0	\$146,198
286	2020-07-05-29	University of Delaware	FMRG: Scalable Hybrid Biological/Electrocatalytic Co-Conversion Of Biomass Sugars, CO2 & Waste Gases To C4-C6 Chemicals	\$2,827,213	\$0	\$0
287	2020-07-05-30	University of Delaware	FMRG: Molecular And Cellular Engineering For Ultra-Intensification Of Biopharmaceutical Manufacturing	\$2,458,572	\$0	\$0
288	2020-07-05-31	University of Delaware	FMRG: Monitoring, Machine Learning, And Control For Closed Loop Functional Additive Manufacturing of 3D Electronics	\$1,967,074	\$0	\$0

289	2020-07-05-32	University of Delaware	Pathways To Mental Health Care: Examining The Longitudinal Impact Of Stigma Mechanisms On Treatment Engagement In Emerging Adults	\$2,349,418	\$0	\$0
290	2020-07-05-33	University of Delaware	Examining Provider Participation In The Child Care Subsidy System: A Mixed Methods Study	\$50,000	\$0	\$0
291	2020-07-05-34	University of Delaware	Purification Of Peptide Conjugates From Fermentation Using Catechol-Boronate Coupling	\$0	\$0	\$45,000
292	2020-07-11-01	University of Delaware	FMRG: Microrobot-Enabled Automation Of Organoid Manufacturing	\$2,993,128	\$0	\$0
293	2020-07-11-02	University of Delaware	Neurophysiological Determinants Of Post Concussion Subsequent Musculoskeletal Injury	\$2,358,355	\$0	\$0
294	2020-07-11-03	University of Delaware	FMRG: A Systems-Enabled Paradigm Shift For Modular Manufacturing Of A Circular Economy	\$2,462,952	\$0	\$0
295	2020-07-11-04	University of Delaware	Factors Affecting Glycemic Variability Among Emerging Adult Couples Managing Type 1 Diabetes	\$0	\$0	\$64,822
296	2020-07-11-05	University of Delaware	Further Psychometric Testing Of The Novice Nurse Practitioner Role Transition Scale	\$62,500	\$0	\$0
297	2020-07-11-06	University of Delaware	Understanding The Infection Heterogeneity And Role Of Exosomes In Coronavirus Infection	\$275,000	\$0	\$0
298	2020-07-11-07	University of Delaware	Development Of A Seismic Microzoning Map Of Iso-Periods For Bayamon, Puerto Rico	\$63,321	\$0	\$0
299	2020-07-11-08	University of Delaware	Department Of Health And Human Services New Directions Early Head Start Year 23 COVID	\$164,581	\$0	\$0
300	2020-07-11-09	University of Delaware	Instructional Leadership Systems Approach To Professional Development	\$0	\$0	\$140,643
301	2020-07-11-10	University of Delaware	4.0-CRESP RPP New Normal Wave Evaluation Support	\$0	\$0	\$65,454
302	2020-07-11-11	University of Delaware	Nanostructure And Dynamics Of Complex Lipid Membranes By Integrated Ixs And Molecular Simulation	\$0	\$0	\$12,505
303	2020-07-11-12	University of Delaware	Logic-Gated Pro-Mmp Activation For Bioinspired Motility And Signal Amplification In Nanocarriers	\$323,717	\$0	\$0
304	2020-07-11-13	University of Delaware	CPS: TTP Option: Medium: A Policy-Informed And Adaptive Control Framework For Mobility Decision Making	\$761,494	\$0	\$0
305	2020-07-11-14	University of Delaware	Mental Health Awareness In An Era of COVID-19	\$0	\$0	\$31,515
306	2020-07-11-15	University of Delaware	Enhancement Of Balance Control And Reduction Of Visual Dependence During Walking In Children With Cp Using Stochastic Resonance Stimulation	\$275,000	\$0	\$0
307	2020-07-11-16	University of Delaware	Creating New Tactile Sensations For Tactile Aids With Designer Materials	\$1,524,986	\$0	\$0
308	2020-07-11-17	University of Delaware	Engineering Approach To Modeling COVID-19 For Determining Optimal Intervention Policies	\$0	\$0	\$6,250
309	2020-07-11-18	University of Delaware	Booz Allen Foundation Innovation Fund	\$0	\$0	\$25,000

310	2020-07-11-19	University of Delaware	Mentoring And Adult Education Principles For Extension Educators	\$0	\$0	\$28,306
311	2020-07-11-20	University of Delaware	Advanced Video Capture With Computer Vision Analysis For Assessing Park Use And Environment	\$296,859	\$0	\$0
312	2020-07-11-21	University of Delaware	Math Modeling And Data Analysis To Address Stem Cell Origin Of Colon Cancer	\$1,332,860	\$0	\$0
313	2020-07-11-22	University of Delaware	Integrative Data Analysis To Identify Persistent Post-Concussion Deficits And Subsequent Musculoskeletal Injury Risk	\$275,000	\$0	\$0
314	2020-07-11-23	University of Delaware	DESG COVID-19 Rapid Response Project	\$72,255	\$0	\$0
315	2020-07-11-24	University of Delaware	Great Lakes Sediment Surveillance Program (GLSSP) 2020-2024	\$0	\$0	\$149,107
316	2020-07-11-25	University of Delaware	Innovative Carbon Nanotube-Based Composite Sensing Skins For Structural Health Monitoring - NSF 18-102	\$35,256	\$0	\$0
317	2020-07-11-26	University of Delaware	Atlantic And Shortnose Sturgeon Habitat And Telemetry Survey In The Potomac River Near Naval Support Facility Dahlgren	\$60,712	\$0	\$0
318	2020-07-11-27	University of Delaware	ARO: Data-Driven Modeling And Uncertainty Question For Mechanics Of Materials	\$545,365	\$0	\$0
319	2020-07-11-28	University of Delaware	Virtual & Onsite Pd For Implementation Of Bookworms In Laurel Sd Elementary Schools	\$0	\$0	\$40,143
320	2020-07-11-29	University of Delaware	ELA & Disciplinary Literacy Coaching For Middle School	\$0	\$0	\$38,006
321	2020-07-11-30	University of Delaware	Integrated RF Photonic Devices for Frequency Agnostic Sensors	\$665,879	\$0	\$0
322	2020-07-11-31	University of Delaware	2243-5617: High-Throughput Deposition Of Thin Film Perovskite Absorbers For An All-Vapor Solar Cell Process	\$187,500	\$0	\$0
323	2020-07-11-32	University of Delaware	National Research Consortium On Mental Health in IDD, Examining The Mental Health Of College Autistic Students	\$0	\$0	\$9,360
324	2020-07-11-33	University of Delaware	Actin Cytoskeleton Regulation Of Lens Architecture, Transparency And Mechanics	\$1,302,500	\$0	\$0
325	2020-07-11-34	University of Delaware	Poached: Pinpointing Normative Drivers Of The Illicit Wildlife Trade	\$0	\$0	\$12,908
326	2020-07-11-35	University of Delaware	Laurel MS virtual And Onsite PD To Implement Bookworms Curriculum	\$0	\$0	\$24,189
327	2020-07-11-36	University of Delaware	Enhancing Autonomous Railway Track Geometry Measurement System With Blockchain Technology	\$95,256	\$0	\$0
328	2020-07-11-37	University of Delaware	Targeting Slow Release Therapeutics To The Glottis In Dynamic, Cellularized Pharyngeal Replicas For The Treatment Of Pediatric Diseases	\$417,545	\$0	\$0
329	2020-07-11-38	University of Delaware	Establishing National Borehole Inventory	\$37,399	\$0	\$0
330	2020-07-11-39	University of Delaware	Predicting Atomistic Events That Govern Toughness In Polycrystalline Ceramics	\$367,034	\$0	\$0

331	2020-07-11-40	University of Delaware	Mid-Atlantic Gliders Supporting Hurricane Intensity Forecasts	\$652,803	\$0	\$0
332	2020-07-11-41	University of Delaware	Efficacy Of Ml Write Automated Writing Evaluation For Improving Writing Outcomes Of Students Who Are Black, Hispanic, And Experiencing Poverty	\$0	\$0	\$464,692
333	2020-07-11-42	University of Delaware	2243-5579 Mask-Free Plating Of Solar Cells	\$0	\$0	\$38,381
334	2020-07-11-43	University of Delaware	Microrobot-Directed Production Of Organized Microniches: Enabling Platforms For Stem Cell Differentiation	\$275,002	\$0	\$0
335	2020-07-11-44	University of Delaware	Technology Critical Manganese And Conservation Crime Nexus From Gabon And Indonesia	\$408,459	\$0	\$0
336	2020-07-11-45	University of Delaware	Non-Invasive Functional Assessment And Pathogenesis Of Morquio A	\$0	\$0	\$54,300
337	2020-07-11-46	University of Delaware	Establishing Markers For Stability And A Model For Accelerated Prediction Of Production (In)Stability	\$0	\$0	\$46,076
338	2020-07-11-47	University of Delaware	Direct Laser Patterning Of High Contrast Microstructures For Long Wavelength Remote Sensing	\$423,546	\$0	\$0
339	2020-07-11-48	University of Delaware	Meta-Study Of UV-Through-Nir Explosive Transients For The Roman Space Telescope And Beyond	\$0	\$0	\$15,115
340	2020-07-11-49	University of Delaware	2243-5665: Novel Doping Schemes For 2D Hybrid Perovskites	\$187,500	\$0	\$0
341	2020-07-11-50	University of Delaware	In-Situ Antimony Doped Polycrystalline Cdte Films For Simplified Cell Processing And Maximized Energy Yield (2243-1590)	\$1,415,358	\$0	\$0
342	2020-07-11-51	University of Delaware	2243-5666: Controlling Interfacial Properties Of Perovskite Solar Cells By Vapor Treatment	\$187,500	\$0	\$0
343	2020-07-11-52	University of Delaware	Delaware SEU Energy Assessment Program	\$0	\$0	\$64,845
344	2020-07-11-53	University of Delaware	Establishment Of Reference Cell Lines & Media II	\$0	\$0	\$46,076
345	2020-07-11-54	University of Delaware	Resilient Designs For Seven Coastal Towns Of Delaware	\$0	\$0	\$27,000
346	2020-07-11-55	University of Delaware	Collaborative Research: Cps: Medium:Cyberorganoids: Microrobotics-Enabled Differentiation Control Loops For Cyber Physical Organoid Formation	\$361,143	\$0	\$0
347	2020-07-11-56	University of Delaware	2243-1675 Identifying Causes And Mitigating Pathways To Degradation Of Si Heterojunction Solar Cells	\$1,093,433	\$0	\$0
348	2020-07-11-57	University of Delaware	Controllable Shade From Tracking Solar Modules To Mitigate Stress In Vegetable And Small Fruit Crops In A Changing Climate	\$1,118,218	\$0	\$0
349	2020-07-11-58	University of Delaware	Using Collagen-Mimetic Peptides To Guide Regeneration Of The Rotator Cuff Enthesis	\$0	\$0	\$752,856
350	2020-07-11-59	University of Delaware	Determining The Emergence And Physiology Of Tremor In Children Who Stutter	\$300,000	\$0	\$0
351	2020-07-11-60	University of Delaware	Federal and State Technology Partnership Program (FAST) FAST-2020-R-0014	\$114,679	\$0	\$0

352	2020-07-11-61	University of Delaware	Magnonics At The Quantum Level	\$0	\$0	\$100,000
353	2020-07-11-62	University of Delaware	Metabolic Carbohydrate Cell Wall Probes For Bacterial Structure And Immune Recognition Studies	\$421,657	\$0	\$0
354	2020-07-11-63	University of Delaware	Northeast Extension Risk Management Education Center 2019	\$908,506	\$0	\$0
355	2020-07-11-64	University of Delaware	Exploring The Link Between Soil And Human Health: Protein, Protein Quality, And The Nutraceutical Amino Acid Ergothioneine	\$0	\$0	\$148,249
356	2020-07-11-65	University of Delaware	Collaborative Research: CPS: Medium: Safety-Critical Cyber-Physical-Human System For Augmenting The Situational Awareness Of Construction Workers	\$153,958	\$0	\$0
357	2020-07-11-66	University of Delaware	Collaborative Research: CPS: Medium: Enabling Automated Search And Retrieval Of Shapes In Design Files	\$325,298	\$0	\$0
358	2020-07-11-67	University of Delaware	CDSs/Iowa/Army Tr16 S Supplement	\$0	\$0	\$335,105
359	2020-07-11-68	University of Delaware	Investigating The Role Of Metformin For Chemoprevention In Ovarian Cancer	\$100,000	\$0	\$0
360	2020-07-11-69	University of Delaware	Polarimeter To Unify The Corona And Heliosphere	\$0	\$0	\$178,106
361	2020-07-11-70	University of Delaware	Acquisition Of A Seahorse Xfe96 Analyzer To Catalyze Research And Education	\$225,537	\$0	\$0
362	2020-07-11-71	University of Delaware	Acquisition Of Orbitrap Quadrupole Mass Spectrometer For Advancing Cross-Disciplinary Research In Agro-Environment And Food Safety	\$499,643	\$0	\$0
363	2020-07-11-72	University of Delaware	Forests Among Managed Ecosystems: Monitoring, Remediation, And Restoration	\$45,000	\$0	\$0
364	2020-07-11-73	University of Delaware	Empowering Our Next Generation With Critical Thinking And Geospatial Skills	\$0	\$0	\$20,435
365	2020-07-11-74	University of Delaware	SCC-Civic-PF Track B: An Integrated Scenario-Based Hurricane Evacuation Management Tool To Support Community Preparedness	\$31,250	\$0	\$0
366	2020-07-11-75	University of Delaware	Collaborative Research: CPS: Medium: Toward Stable And Agile Gait With Robotic Prostheses During Terrain Transitions	\$261,605	\$0	\$0
367	2020-07-11-76	University of Delaware	Collaborative Research: CPS: Medium: Enabling Collaborative Autonomous Driving through Intelligent Real-time Vehicle-Edge Computing	\$275,327	\$0	\$0
368	2020-07-11-77	University of Delaware	Regional Center Plant Diagnostic Facility - National Plant Diagnostic Network For The Food And Agriculture Defense Initiative	\$0	\$0	\$22,727
369	2020-07-11-78	University of Delaware	Digital Manufacturing Development (D-Mand)	\$232,586	\$0	\$0
370	2020-07-11-79	University of Delaware	CC/NIH: HOX Genes And Human Colon Cancer Stem Cells	\$0	\$0	\$372,797
371	2020-07-11-80	University of Delaware	Multimodal Wandering Behaviors Recognition	\$59,729	\$0	\$0
372	2020-07-11-81	University of Delaware	The Size, Trophic And Spatial-Temporal Scaling Of Environmental Selection In Pelagic Species	\$485,564	\$0	\$0

373	2020-07-11-82	University of Delaware	Migrating To The Ivory Tower: The Experiences Of Faculty From Non-Professional Family Backgrounds	\$0	\$0	\$50,000
374	2020-07-11-83	University of Delaware	Characterizing Immune System Responses Of Select Plant Health Products For Putting Greens	\$0	\$0	\$114,030
375	2020-07-11-84	University of Delaware	Chemometrics With LLNL	\$0	\$0	\$37,965
376	2020-07-11-85	University of Delaware	Simulating Workforce Design Teams In Biomedical Engineering Education	\$100,000	\$0	\$0
377	2020-07-11-86	University of Delaware	A Hydrogel-Based Cellular Model Of The Human Vocal Fold	\$2,171,300	\$0	\$0
378	2020-07-11-87	University of Delaware	Physical Therapy Exercise And Physical Activity For Knee Osteoarthritis (PEAK)	\$0	\$0	\$367,133
379	2020-07-11-88	University of Delaware	Quality Or Compliance: Principal Perceptions Of A Psel-Based Evaluation System	\$0	\$0	\$50,000
380	2020-07-11-89	University of Delaware	Mapping And Modeling Licit-Illicit Convergences In The Global Emerald Supply Chain	\$788,222	\$0	\$0
381	2020-07-11-90	University of Delaware	Disparities In Language Development: Role Of Immune Response To Chronic Stress On Parent Language Input And Child Language Learning	\$2,262,873	\$0	\$0
382	2020-07-11-91	University of Delaware	South Big Data Hub Small Seed Grant/ Nih Metraux Homeless Data For The State Of Delaware	\$0	\$0	\$7,812
383	2020-07-11-92	University of Delaware	Industry 4.0 Implementation In Continuous Pharmaceutical Manufacturing	\$1,905,850	\$0	\$0
384	2020-07-11-93	University of Delaware	Secondary Analyses Of Rct Data On Sensitive Periods In Flavor Learning Among Breastfed Infants	\$0	\$0	\$49,239
385	2020-07-11-94	University of Delaware	Delaware Transition Partnership Planning Project	\$92,673	\$0	\$0
386	2020-07-11-95	University of Delaware	Coordinate a Middle Atlantic Coastal Plain Stratigraphic Reconciliation Initiative.	\$106,316	\$0	\$0
387	2020-07-11-96	University of Delaware	Characterizing the Global Illicit Trade In Energy-Critical Materials Using Machine Learning, Remote Sensing, and Qualitative Research	\$641,177	\$0	\$0
388	2020-07-11-97	University of Delaware	Human Trafficking and Gold Mining in the Americas: Mapping and Modeling Convergent System Dynamics	\$804,360	\$0	\$0
389	2020-07-11-98	University of Delaware	The Second Regional Carbon Cycle and Processes Study (RECCAP-2): A Multi-Gas Assessment of Land and Ocean Regions	\$47,540	\$0	\$0
390	2020-07-11-99	University of Delaware	Interaction Of Distributed And Discrete Roughness For Boundary-Layer Transition Control	\$0	\$0	\$19,500
391	2020-07-12-01	University of Delaware	Anticipating Threats To Natural Systems (ACTIONS)	\$5,373,626	\$0	\$0
392	2020-07-12-02	University of Delaware	Reducing Uncertainty In Risk Projections for Statewide Hospital Capacity In COVID-19	\$0	\$0	\$7,812
393	2020-07-12-03	University of Delaware	Advanced Continuous Upstream Manufacturing Of Biotherapeutics	\$1,018,910	\$0	\$0

394	2020-07-12-04	University of Delaware	Collaborative Research: NSFGE0-NERC: Southern Ocean Rare Earth Elements Study (SOREES)	\$192,407	\$0	\$0
395	2020-07-12-05	University of Delaware	An Offshore Wind Resource Measurement And Modeling Campaign For The Mid-Atlantic And Northeast Us Coastal Waters	\$0	\$0	\$287,506
396	2020-07-12-06	University of Delaware	Circular Economy Of Composites Enabled By TUFF Technology	\$2,190,393	\$0	\$0
397	2020-07-12-07	University of Delaware	1 Micrometer Integrated Transmitter For Balanced Radio-Frequency-Over-Fiber Photonic Links	\$0	\$0	\$56,249
398	2020-07-12-08	University of Delaware	Hippocampal-Prefrontal Synchrony In Working Memory	\$1,250,001	\$0	\$0
399	2020-07-12-09	University of Delaware	Advanced High-Energy Lithium Metal Secondary Batteries	\$0	\$0	\$19,876
400	2020-07-12-10	University of Delaware	Additive Manufacturing Of Thermally Cured Thermoset Polymers	\$0	\$0	\$31,219
401	2020-07-12-11	University of Delaware	Did They Pay Attention: Investigating The Resilience Factors For Successful Word Learning In Children With Autism	\$100,000	\$0	\$0
402	2020-07-12-12	University of Delaware	Student Leaders Alumni Engagement And Colaboration Initiative-Sharing Student Leader Strengths In The Middle East And North Africa	\$0	\$0	\$94,100
403	2020-07-12-13	University of Delaware	Early-Life Immune Dysregulation: Impact On The Ontogeny Of Learning And Associated Neural Circuit Development	\$1,695,385	\$0	\$0
404	2020-07-12-14	University of Delaware	Laurel Ms Virtual And Onsite Pd To Implement Bookworms Curriculum	\$0	\$0	\$20,585
405	2020-07-12-15	University of Delaware	Ammonium Regulation Of Primary Production In The Delaware River	\$0	\$0	\$9,375
406	2020-07-12-16	University of Delaware	Multi-Analyte Portable Water Analysis Device Using A Chemical Sensor-Modulated Extended Gate Field Effect Transistor	\$0	\$0	\$31,250

Revised 7/9/2020

Delaware State Clearinghouse Committee
July Agenda
Meeting to be Held via WebEx
WebEx Meeting Information/Instructions Attached
August 18, 2020 @ 10:00am

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Federal	State	Other
New Business*									
1	4590	Executive, Criminal Justice, Criminal Justice Council	Family Violence Prevention and Services - CARES Act COVID-19	\$101,590	\$0	\$0	0.07	0.00	0.00
2	4475	Department of Health and Social Services, Public Health, Community Health	Overdose Data to Action	\$5,827,830	\$0	\$0	10.85	0.00	0.00
3	4582	Department of Health and Social Services, Substance Abuse and Mental Health	Emergency Response to Suicide Prevention - CARES Act COVID-19	\$800,000	\$0	\$0	0.00	0.00	0.00
4	4622	Department of Health and Social Services, State Service Centers	Community Development Block Grant City of Newark - CARES Act COVID-19	\$33,756	\$0	\$0	0.00	0.00	0.00
5	4623	Department of Health and Social Services, State Service Centers	Community Development Block Grant Kent/Sussex DSHA - CARES Act COVID-19	\$1,027,767	\$0	\$0	0.00	0.00	0.00
6	4532	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Overcoming Barriers to Wetland Mitigation/Restoration	\$198,534	\$86,145	\$0	0.00	0.35	0.00
7	4535	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Fisheries Management Assistance	\$1,331,755	\$0	\$0	1.80	0.00	0.00
8	4576	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware Fisheries CARES Act Disaster Relief	\$992,013	\$2,976	\$0	0.00	0.00	0.00
9	4574	Department of Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Public Assistance DR-4526 - CARES Act COVID-19	\$52,634,169	\$16,047,003	\$0	0.00	0.00	0.00
Continued									
1	4544	Judicial, Family Court	Court Improvement Program Basic Grant	\$100,951	\$34,103	\$0	0.00	0.17	0.00
2	4545	Judicial, Family Court	Court Improvement Program Data Grant	\$98,586	\$33,300	\$0	0.00	0.26	0.00
3	4546	Judicial, Family Court	Court Improvement Program Training Grant	\$98,586	\$33,277	\$0	0.00	0.24	0.00
4	4554	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improve for Patients & Provider Act	\$43,270	\$11,858	\$0	0.70	0.30	0.00
5	4524	Legal, Department of Justice	High Intensity Drug Trafficking Areas	\$180,330	\$0	\$0	0.00	0.00	0.00
6	4418	Department of Health and Social Services, Public Health, Community Health	Maternal, Infant & Early Childhood Home Visiting Formula Grant	\$3,709,959	\$1,219,950	\$0	2.50	0.00	0.00
7	4431	Department of Health and Social Services, Public Health, Community Health	Rural Communities Opioid Response Program-Implementation	\$1,000,000	\$0	\$0	0.50	0.00	0.00
8	4458	Department of Health and Social Services, Public Health, Community Health	Hospital Preparedness Program	\$1,086,397	\$108,998	\$0	2.15	0.00	0.00
9	4516	Department of Health and Social Services, State Service Centers	Low-Income Home Energy Assistance Program (LIHEAP)	\$15,000,000	\$0	\$0	1.87	0.00	0.00
10	4533	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Substance Abuse Prevention & Treatment Service	\$3,484,087	\$71,889	\$0	3.20	0.80	0.00
11	4534	Department of Health and Social Services, State Service Centers	Americorps State Competitive	\$458,504	\$0	\$676,333	0.00	0.00	0.00
12	4541	Department of Health and Social Services, Public Health, Community Health	Special Supplement Nutrition Program for Women, Infants and Children - Administration	\$5,945,733	\$0	\$0	49.00	0.00	0.00
13	4542	Department of Health and Social Services, Public Health, Community Health	Special Supplement Nutrition Program for Women, Infants and Children - Food	\$7,792,270	\$5,630,232	\$0	0.00	0.00	0.00
14	4543	Department of Health and Social Services, Public Health, Community Health	Special Supplement Nutrition Program for Women, Infants and Children - Breastfeeding	\$253,891	\$0	\$0	0.00	0.00	0.00
15	4547	Department of Health and Social Services, Public Health, Community Health	Immunization and Vaccines for Children - CARES Act COVID-19	\$387,695	\$0	\$0	0.00	0.00	0.00

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

16	4559	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program-Electronic Benefits Transfer State Exchange	\$4,000	\$0	\$0	0.00	0.00	0.00
17	4563	Department of Health and Social Services, Public Health, Community Health	Sexual Violence Prevention & Education Supplement - CARES Act COVID-19	\$10,201	\$0	\$0	0.00	0.00	0.00
18	4566	Department of Health and Social Services, State Service Centers	AmeriCorps State Formula Funds	\$564,276	\$0	\$679,097	0.00	0.00	0.00
19	4573	Department of Health and Social Services, Public Health, Community Health	Epidemiology & Lab Capacity Infection Prevention - CARES Act COVID-19	\$791,063	\$0	\$0	0.00	0.00	0.00
20	3610 Amendment	Department of Health and Social Services, Public Health, Community Health	Childhood Lead Poisoning Prevention Program	\$376,489	\$0	\$0	1.00	0.00	0.00
21	4565	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B, Subpart 1 - Child Welfare Services	\$819,962	\$265,640	\$0	3.00	0.00	0.00
22	4567	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B, Subpart 2 - Promoting Safe and Stable Families	\$961,210	\$589,494	\$0	2.00	6.00	0.00
23	4568	Department of Services for Children, Youth and Their Families, Family Services, Intake/Investigation	Child Abuse Prevention and Treatment Act	\$273,392	\$37,006	\$0	3.00	1.00	0.00
24	4569	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B, Subpart 2 - Promoting Safe and Stable Families/Case Worker Visits	\$63,177	\$21,029	\$0	0.00	0.00	0.00
25	4570	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV, Part E - Education and Training Vouchers	\$70,036	\$17,509	\$0	0.00	0.00	0.00
26	4571	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	4479	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Chesapeake Bay Implementation III	\$10,060,540	\$1,700,368	\$8,360,172	1.00	2.97	0.00
28	4486	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Beaches Environmental Assessment and Coastal Health Act	\$206,000	\$0	\$0	0.00	0.00	0.00
29	4488	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Water Quality Management - Planning	\$100,000	\$0	\$0	0.20	0.00	0.00
30	4513	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Army Creek	\$7,000	\$0	\$0	0.05	0.00	0.00
31	4530	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Dam Safety Program	\$44,036	\$0	\$0	0.00	0.00	0.00
32	4531	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Water	Underground Injection Control	\$47,000	\$36,880	\$0	0.55	0.35	0.00
33	4537	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	EN-041-20 Joint Enforcement Agreement	\$246,409	\$739	\$0	1.80	0.00	0.00
34	4539	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Fund	\$7,780,000	\$1,556,000	\$0	0.00	0.00	0.00
35	2382 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Preliminary Assessment /Site Inspection	\$459,730	\$0	\$0	1.25	0.00	0.00
36	3559 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Delaware Sand & Gravel	\$7,500	\$0	\$0	0.05	0.00	0.00
37	4070 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Standard Chlorine/Metachem Fund	\$3,043	\$0	\$0	0.02	0.00	0.00
38	4132 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	State Clean Diesel Grant Program	\$328,128	\$334,607	\$635,250	0.00	0.00	0.00
39	4553	Department of Safety and Homeland Security, State Police, Training	Bulletproof Vest Partnership Program	\$224,378	\$224,378	\$0	0.00	0.00	0.00
40	2020-05-29-01	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Radiological Emergency Preparedness Program	\$0	\$0	\$1,055,000	0.00	0.00	10.20
41	4572	Department of Labor, Vocational Rehabilitation, Disability Determination Services	Disability Determination Service	\$7,316,285	\$0	\$0	49.00	0.00	0.00
42	4548	Delaware National Guard	Air National Guard Operations and Maintenance Agreement	\$4,571,340	\$581,899	\$0	44.00	4.00	0.00
43	4549	Delaware National Guard	Army National Guard Environmental Resource Management Agreement	\$518,805	\$0	\$0	4.00	0.00	0.00
44	4550	Delaware National Guard	Air National Guard Security Guard Agreement	\$1,802,008	\$0	\$0	21.00	0.00	0.00

45	4551	Delaware National Guard	Army National Guard Operations and Maintenance Agreement	\$16,599,787	\$4,513,509	\$0	20.00	11.00	0.00
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Higher Education

1	4640	Delaware Technical Community College	Higher Education Emergency Relief Fund - Operational - CARES Act COVID19	\$4,504,200	\$0	\$0			
2	4653	Delaware Technical Community College	Higher Education Emergency Relief Fund - Strengthening Institutions Programs - CARES Act COVID19	\$444,409	\$0	\$0			
3	2020-08-15-01	Delaware State University	Integrating Research Experiences in Undergraduate Food Science and Technology Training.	\$399,982	\$0	\$0			
4	2020-08-15-02	Delaware State University	Collaborative Initiative to Foster and Strengthen Multi-Institutional Research and Extension Activities to Enhance Food and Nutrition	\$96,000	\$0	\$0			
5	2020-08-15-03	Delaware State University	STEM Programs for Undeserved and Underprivileged Middle-School Students	\$124,492	\$0	\$0			
6	2020-08-15-04	Delaware State University	Food Innovation District Project Plan	\$150,000	\$0	\$0			
7	2020-08-15-05	Delaware State University	New Tools to Translate Time Across the Lifespan in Humans and Model Organisms	\$460,472	\$0	\$0			
8	2020-08-15-06	Delaware State University	Re-envisioning Prevention, Treatment, and Recovery Services in Sussex County - VISION Consortium	\$200,000	\$0	\$0			
9	2020-08-15-07	Delaware State University	Preventing Desumoylation of Alpha-Synuclein Slows Parkinson's Pathology	\$438,000	\$0	\$0			
10	2020-08-15-08	Delaware State University	Enhancing Students' Development and Achievement through Experiential Learning Opportunities.	\$49,993	\$0	\$0			
11	2020-08-15-09	Delaware State University	Liabilities Protections for Shellfish Aquaculture Under Right-to-Farm Laws in Delaware	\$4,694	\$0	\$0			
12	2020-08-15-10	Delaware State University	National Summer Transportation Institute	\$68,750	\$0	\$0			
13	2020-08-15-11	Delaware State University	Biology, Bioinformatics & Chemistry Academy for Research Scholars (B2-CARS): A Partnership to Address Human Health through Wastewater Remediation	\$1,350,000	\$0	\$0			
14	2020-08-15-12	Delaware State University	Microporous Organic Polymers (MOPs) from Atom Transfer Radical Polymerization (ATRP) for Carbon Dioxide Capture	\$679,615	\$0	\$0			
15	2020-08-01-01	University of Delaware	Development of Biological Control Methods for Management of Spotted Lanternfly	\$23,404	\$0	\$0			
16	2020-08-08-01	University of Delaware	Zilch: A Framework for Remote Verification of Security Properties using Zero Knowledge Proofs	\$0	\$0	\$195,887			
17	2020-08-08-02	University of Delaware	Imaging Receiver System Integration	\$0	\$0	\$177,345			
18	2020-08-08-03	University of Delaware	Developing Learning Materials to Teach Fashion Students About Responsible Purchasing Practices and A Plan for On-Going Refreshment of Content.	\$0	\$0	\$19,205			
19	2020-08-08-04	University of Delaware	Identifying the Optimal Methods for Controlling Contamination Bias in Prospective Research on Child Maltreatment	\$0	\$0	\$43,760			
20	2020-08-08-05	University of Delaware	COVID-19 Local Predictive Modeling: Project DARIEN	\$46,501	\$0	\$0			

21	2020-08-08-06	University of Delaware	Rapid Purification of Recombinant Proteins by Protein Nanoparticle Crosslinking and Light-Responsive Nanobodies	\$239,413	\$0	\$0
22	2020-08-08-07	University of Delaware	Multi-Phase Non-Invasive Epidemic Surveillance System Using Public and Crowd-Source Data Collection	\$0	\$0	\$118,076
23	2020-08-08-08	University of Delaware	Multimodal Machine Learning for Alzheimer's Disease	\$0	\$0	\$572,446
24	2020-08-08-09	University of Delaware	Collaborative Research: Relations Between Early Motor Delay, Later Communication Delay, and Future Outcomes in Children With and Without Autism: A Spark Dataset Study	\$250,562	\$0	\$0
25	2020-08-08-10	University of Delaware	Evaluation to Understand the Longer Term Impact of Tennessee's ASD and Izones for the Ongoing School Improvement Reforms in Memphis, TN	\$0	\$0	\$21,818
26	2020-08-08-11	University of Delaware	USDA-NRCS CEAP Watersheds: Innovative Phosphorus Reducing Conservation Strategies in HAB-Affected Watersheds	\$12,003	\$0	\$0
27	2020-08-08-12	University of Delaware	Assessing Dual Language Learners: Turning the Right Thing to Do into the Easy Thing to Do	\$0	\$0	\$342,861
28	2020-08-08-13	University of Delaware	FACT: Harnessing Data Science Techniques in Food Science Research	\$0	\$0	\$28,058
29	2020-08-08-14	University of Delaware	Collaborative Research: Easy Authoring of GeoGebra Assessments for Learning and Engagement (EAGLE)	\$22,713	\$0	\$0
30	2020-08-08-15	University of Delaware	Fundamental Studies of InAlN/GaN HEMTs on Si Substrate	\$161,367	\$0	\$0
31	2020-08-08-16	University of Delaware	Combining At-Line Data Analytics With Optimal Control to Improve Predictive CQA	\$0	\$0	\$165,000
32	2020-08-08-17	University of Delaware	DCF Needs Grant UD REP Robbins 21	\$0	\$0	\$50,000
33	2020-08-08-18	University of Delaware	Investigating The Implementation of A District-Wide Professional Development Program in Online Instructional Design for K-12 Teachers	\$0	\$0	\$7,500
34	2020-08-08-19	University of Delaware	Expanding Postsecondary Education Opportunities In Delaware	\$2,328,792	\$0	\$0
35	2020-08-08-20	University of Delaware	Mechanical Regulation of Skeletal Integrity in Breast Cancer	\$284,956	\$0	\$0
36	2020-08-08-21	University of Delaware	NSF Convergence Accelerator Track C: Hybrid Atomic-MEMS Quantum Instruments on a Chip	\$0	\$0	\$54,408
37	2020-08-08-22	University of Delaware	USDA RSA Hielmer Services 21	\$4,545	\$0	\$0
38	2020-08-08-23	University of Delaware	The Korea Institute of Marine Science and Technology Promotion	\$0	\$0	\$6,250
39	2020-08-08-24	University of Delaware	Assessment of Saltmarsh in Delaware Bay for Tidal Marsh Birds	\$42,553	\$0	\$0
40	2020-08-08-25	University of Delaware	Fai: Breaking Out of Online Social: Economic:Demographic Echo Chambers in Education Through Information Contextualization	\$813,436	\$0	\$0
41	2020-08-08-26	University of Delaware	Rapid: Development of a Local Epidemiological Population Balance Model Informed by UAV and WVD Data	\$70,146	\$0	\$0

42	2020-08-08-27	University of Delaware	Composites Research, Engineering and Advanced Technology (CREATE)	\$5,013,648	\$0	\$0
43	2020-08-08-28	University of Delaware	Delaware Health Sciences & Technology Academy - Biomed	\$1,250,000	\$0	\$0
44	2020-08-08-29	University of Delaware	Provision of PD Support to Us History Teachers of 8th and 11th Grades Shifting to Apprenticeship Approach of Teaching Skills Required to Master the State of DE History Standards	\$0	\$0	\$9,501
45	2020-08-08-30	University of Delaware	Testing of Immune Modulators to Reduce Infectious Bronchitis Virus (IBV) Infection and Persistence	\$0	\$0	\$72,961
46	2020-08-08-31	University of Delaware	Radio America Production of Educational Audio and Video Features for the Center for Economic Educations & Entrepreneurship	\$0	\$0	\$65,455
47	2020-08-08-32	University of Delaware	DCCSs Online: ESL and Classroom Teachers Working Together with Students and Families	\$0	\$0	\$147,028
48	2020-08-08-33	University of Delaware	Christiana Care Health Care Services Research Amendment 11	\$0	\$0	\$76,746
49	2020-08-08-34	University of Delaware	Active Vortex Mitigation and Control in Common Air Vehicle Environments	\$216,320	\$0	\$0
50	2020-08-08-35	University of Delaware	Florida Developmental Disabilities Network Collaborative Leadership Program Year Two	\$0	\$0	\$119,074
51	2020-08-08-36	University of Delaware	FACT: COSMO: Cyberinformatics for Soil Moisture Information	\$413,008	\$0	\$0
52	2020-08-08-37	University of Delaware	Evoked Category Representations	\$12,000	\$0	\$0
53	2020-08-08-38	University of Delaware	Using MRI Technology to Examine Neurobiological Mechanisms Via which Traumatic Stress Leads to Opioid Abuse	\$150,000	\$0	\$0
54	2020-08-08-39	University of Delaware	Literacy Trajectories in the Early Grades: Exploring the Role of Student, Teacher, and School Factors	\$0	\$0	\$95,583
55	2020-08-08-40	University of Delaware	Teaching to the Child at Scale: A Study of Strategies for System-Level Implementation of Targeted Instruction in Pakistan	\$0	\$0	\$21,966
56	2020-08-08-41	University of Delaware	Acquisition of Goods and Services	\$1,800	\$0	\$0
57	2020-08-08-42	University of Delaware	Stabilizing and Disseminating the Center for Historic Architecture and Design's Archive of Vanishing Historic Architecture of the Mid-Atlantic	\$231,198	\$0	\$0
58	2020-08-08-43	University of Delaware	Microna-Mediated Local Translational Control During Mitosis in Early Development	\$647,578	\$0	\$0
59	2020-08-08-44	University of Delaware	Persistence, Toxicity, and Interactions of a Synthetic Auxotroph that Exhibits Long-Term Stability	\$297,657	\$0	\$0
60	2020-08-08-45	University of Delaware	MOBSTER - Magnetic OB[A] Stars with TESS: Probing their Evolutionary and Rotational Properties	\$158,886	\$0	\$0
61	2020-08-08-46	University of Delaware	Collaborative Research: The Impact of Naturally Occurring and Experimentally Manipulated Interracial Contact on Social Cognition	\$253,297	\$0	\$0
62	2020-08-08-47	University of Delaware	UniProt: A Centralized Protein Sequence and Function Resource	\$0	\$0	\$1,773,664

63	2020-08-08-48	University of Delaware	Public Allies FY20 National Support	\$0	\$0	\$4,715
64	2020-08-08-49	University of Delaware	Connections PADE Summer 2020 Partner Organization	\$0	\$0	\$5,000
65	2020-08-08-50	University of Delaware	Opening the Door to Algebra: Does Improving Facets of Fraction Knowledge Impact Algebra Learning	\$0	\$0	\$12,310
66	2020-08-08-51	University of Delaware	Lithium Effects on the Brain's Functional and Structural Connectome in the Treatment of Bipolar Disorder	\$0	\$0	\$3,365
67	2020-08-08-52	University of Delaware	NAHLN Member Laboratory Work Plan FY 20	\$119,091	\$0	\$0
68	2020-08-08-53	University of Delaware	FACT: A Collaborative Deep Learning Framework for Smart Farming Analytics	\$300,240	\$0	\$0
69	2020-08-08-54	University of Delaware	Evoked Category Representations	\$12,000	\$0	\$0
70	2020-08-08-55	University of Delaware	Christiana Care Health Care Services Research Amendment 10	\$0	\$0	\$88,332
71	2020-08-08-56	University of Delaware	W-Band Gan Power Amplifiers for Cloud Radar Arrays	\$747,479	\$0	\$0
72	2020-08-08-57	University of Delaware	MARACOOS : Preparing for a Changing Mid-Atlantic	\$0	\$0	\$2,564
73	2020-08-08-58	University of Delaware	MARACOOS : Preparing for a Changing Mid-Atlantic	\$0	\$0	\$32,051
74	2020-08-08-59	University of Delaware	Investigation of the Nature of Turbulent Dissipation in the Near-Earth Space Plasma	\$0	\$0	\$202,288
75	2020-08-08-60	University of Delaware	Collaborative Research: Global Pandemics and Diplomatic (Dis)Connections	\$106,229	\$0	\$0
76	2020-08-08-61	University of Delaware	MARACOOS Operations LOI	\$0	\$0	\$114,562
77	2020-08-08-62	University of Delaware	Integrated Photonic Metasystem for Smart Spectrometry and LiDAR	\$838,649	\$0	\$0
78	2020-08-08-63	University of Delaware	Developing A2i Spanish Adaptive Progress Monitoring Assessments for PK-3rd Grade	\$0	\$0	\$43,882
79	2020-08-08-64	University of Delaware	Impact of COVID-19 on the Disability Community in Delaware	\$0	\$0	\$35,896
80	2020-08-08-65	University of Delaware	Protracted Versus Brief SARs-COV-2 Infections	\$0	\$0	\$11,798
81	2020-08-08-66	University of Delaware	LTER: Philadelphia Metropolitan Region: Linking Biodiversity, Ecosystem Functions and Human Decision-Making for Sustainable Urban Systems	\$0	\$0	\$1,463,388
82	2020-08-08-67	University of Delaware	CAREER: Avoiding Blind-Spots and Bias Due to Incomplete Data with Machine Learning	\$327,044	\$0	\$0
83	2020-08-08-68	University of Delaware	Uniprot - Enhancing Functional Genomics Data Access for the Alzheimer'S Disease (AD) and Dementia-Related Protein Research Communities	\$0	\$0	\$122,419

84	2020-08-08-69	University of Delaware	NNERPP District Research Leaders Network Evaluation	\$0	\$0	\$50,453
85	2020-08-08-70	University of Delaware	Modeling of Optically Trapped Atoms for Quantum Information and Atomic Clocks	\$9,026	\$0	\$0
86	2020-08-08-71	University of Delaware	Mechanisms of Neural Crest Induction and Craniofacial Disorders	\$1,188,780	\$0	\$0
87	2020-08-08-72	University of Delaware	Liability Protections for Shellfish Aquaculture Under Right-To-Farm Laws in Delaware	\$0	\$0	\$15,625
88	2020-08-08-73	University of Delaware	Sea Ice Loss and Ocean Warming Influences on Atmospheric Drivers of Northern Greenland Ice Sheet Melt	\$0	\$0	\$73,706
89	2020-08-08-74	University of Delaware	Collaborative Research: STEM Discipline-Based Leadership and Mentoring Program	\$16,667	\$0	\$0
90	2020-08-08-75	University of Delaware	SCC-Civic-PG Track B: Disaster Effects of Urban Heat Islands on Public Health and Infrastructure Systems	\$31,250	\$0	\$0
91	2020-08-08-76	University of Delaware	CAREER: The Genetic Basis of Maize Root Anchorage	\$778,360	\$0	\$0
92	2020-08-08-77	University of Delaware	Mechanisms of Central Sodium Sensing and Salt-Sensitive Hypertension	\$197,682	\$0	\$0
93	2020-08-08-78	University of Delaware	OPTOS (Open Platform For Telemetry of Optic Strategies)	\$34,669	\$0	\$0
94	2020-08-08-79	University of Delaware	Synoptic Survey of Fundamental Dissipation Measures in the Magnetosphere and Solar Wind	\$346,079	\$0	\$0
95	2020-08-08-80	University of Delaware	Career: Circadian Influences on Category Learning and Retention from Early to Late Adolescence	\$508,804	\$0	\$0
96	2020-08-08-81	University of Delaware	The Effects of School Turnaround on Rates of and Racial Disparities in Exclusionary School Discipline	\$0	\$0	\$42,353
97	2020-08-08-82	University of Delaware	Cotton Inc Simulation Lab: Learning from Field to Virtual Fashion	\$0	\$0	\$26,800
98	2020-08-08-83	University of Delaware	Avoiding Blind-Spots and Bias Due to Incomplete Data with Machine Learning	\$145,954	\$0	\$0
99	2020-08-08-84	University of Delaware	Career Undercover - Implications of Fiddler Crab-Vegetation Mutualism on Eco-Geomorphologic Feedbacks and Salt Marsh Survival Over Sea Level Rise	\$546,754	\$0	\$0
100	2020-08-08-85	University of Delaware	Central Sodium Sensing In Humans: Implications for Blood Pressure Regulation	\$275,000	\$0	\$0
101	2020-08-08-86	University of Delaware	Characterizing the Differential Role of Topoisomerase II in Oogenesis and Spermatogenesis During the Sister Chromatid Cohesion Release Pathway	\$136,560	\$0	\$0
102	2020-08-08-87	University of Delaware	Career: Single Molecule Imaging of Sorting, Transport and Fate of RNA Cargo in the Extracellular Vesicles	\$662,770	\$0	\$0
103	2020-08-08-88	University of Delaware	Bracing for Sustainable Agriculture: Characterization of Brace Root Development and Function in Two Members of Andropogoneae	\$165,000	\$0	\$0
104	2020-08-08-89	University of Delaware	Virtual and/or Onsite Services to Improve Implementation of the Bookworms Curriculum in Elementary Classrooms K-5	\$0	\$0	\$21,062

105	2020-08-08-90	University of Delaware	Aircraft Structural Battery Enclosure Design and Development by 3D Printed Continuous Carbon Fibers/Thermoset Composite	\$0	\$0	\$40,294
106	2020-08-08-91	University of Delaware	Can You Relate? Interaction-Based Professional Development for Inclusive Preschool Classroom Teams	\$0	\$0	\$14,084
107	2020-08-08-92	University of Delaware	Analysis of Kinetic Energy and Structure Functions from Along-Track and Crossover Altimeter Data	\$0	\$0	\$47,896
108	2020-08-08-93	University of Delaware	Collaborative Research: Hybrid Flow-Structure Interaction Analysis of Extreme Scour Due to Coastal Flooding	\$164,339	\$0	\$0
109	2020-08-08-94	University of Delaware	Examining Recovery of Diadromous Fishes in the Brandywine Creek, De	\$12,500	\$0	\$0
110	2020-08-08-95	University of Delaware	Additive Manufacturing of Aerospace Structures using Continuous Carbon Fiber Reinforced Thermoset Composites	\$0	\$0	\$52,500
111	2020-08-08-96	University of Delaware	Leveraging Organizations for Improved Use of Research-Informed Resources for Secondary ELA	\$0	\$0	\$48,121
112	2020-08-08-97	University of Delaware	The Korea Institute of Marine Science and Technology Promotion	\$0	\$0	\$12,500
113	2020-08-08-98	University of Delaware	Association of University Centers on Disability/Center for Disease Control Act Early Ambassador Powers 20-21	\$0	\$0	\$59,647
114	2020-08-08-99	University of Delaware	GCR: Collaborative Research: Fine-grain Generation of Multiscale Patterns in Programmable Organoids using Microrobots	\$199,276	\$0	\$0
115	2020-08-09-01	University of Delaware	Career: Training the Brain for Neuroplasticity: Intrinsic Motivation Influences the Impact of Feedback During Goal Pursuit.	\$1,074,388	\$0	\$0
116	2020-08-09-02	University of Delaware	Harnessing Mobility: The Developmental Dynamics of Locomotion, Exploration, and Social Communication in Infant-Caregiver Dyads	\$667,910	\$0	\$0
117	2020-08-09-03	University of Delaware	Rapid: Approach-Avoidance Tendencies to Pathogen-Salience as a Function of Uncertainty and Regional COVID-19 Infection Rates	\$36,035	\$0	\$0
118	2020-08-09-04	University of Delaware	Elucidating Biogenesis and Cargo Sorting Mechanisms for Discrete Extracellular Vesicle Subpopulations in C. Elegans	\$1,041,290	\$0	\$0
119	2020-08-09-05	University of Delaware	ABC Dissemination Mary's Center Roben 2021	\$0	\$0	\$19,445
120	2020-08-09-06	University of Delaware	Modeling of the Pultrusion Process with LIMS	\$0	\$0	\$25,289
121	2020-08-09-07	University of Delaware	Task Order - Evaluation of Novel Exxon Resins	\$0	\$0	\$21,676

Revised 8/14/2020

Delaware State Clearinghouse Committee
August Agenda
Meeting to be Held via WebEx
WebEx Meeting Information/Instructions Attached
September 22, 2020 @ 10:00am

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Federal</i>	<i>Positions State</i>	<i>Other</i>
New Business*									
1	4450 Amendment	Executive, Office of Management and Budget	Coronavirus Relief Fund - CARES Act COVID-19	\$0	\$0	\$0	1.00	0.00	0.00
2	4624	Department of Health and Social Services, Division of Health Care Quality	Survey and Certification - CARES Act COVID-19	\$241,429	\$0	\$0	0.65	0.00	0.00
3	4665	Department of Health and Social Services, Division of Substance Abuse and Mental Health	Crisis Counseling - Immediate Services DR-4526 FEMA COVID-19	\$1,223,750	\$5,662	\$0	0.00	0.07	0.00
4	4687	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Skilled Nursing Facilities - CARES Act COVID-19	\$1,975,000	\$0	\$0	0.00	0.00	0.00
5	4374	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Shat LLC Acquisition	\$162,500	\$177,688	\$0	0.00	0.00	0.00
6	4529	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Fund	\$11,011,000	\$2,239,292	\$0	22.15	0.85	0.00
7	4594	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Del Riparian and Conservation Practice Partnership	\$75,000	\$25,089	\$0	0.00	0.17	0.00
8	4487	Department of Safety and Homeland Security, Delaware State Police	Strategies for Policing Innovation	\$700,000	\$168,057	\$0	0.00	0.00	0.00
9	4644	Department of Transportation, Planning	Compatible Use Study for the Dover Air Force Base	\$270,000	\$30,000	\$0	0.00	0.00	0.00
10	4680	Department of Labor, Unemployment Insurance	Other Needs Assistance Program - FEMA COVID-19	\$341,584,727	\$113,854,552	\$0	1.01	0.00	0.00
11	2020-07-10-02	Department of Agriculture, Nutrition Management	National Fish and Wildlife Foundation Delaware River Program	\$0	\$384,000	\$250,000	0.00	0.00	0.00
12	4663	Delaware National Guard	Bethany Beach Training Site Physical Fitness Center	\$3,250,000	\$0	\$0	0.00	0.00	0.00
Continued									
1	4652	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E Adoption Assistance	\$3,003,300	\$3,003,300	\$0	0.00	0.00	0.00
2	4585	Executive, Criminal Justice, Criminal Justice Council	Family Violence Prevention and Service Act	\$831,852	\$10,639	\$197,565	0.50	0.10	0.00
3	4619	Executive, Criminal Justice, Criminal Justice Council	John R. Justice Prosecutors and Defenders Grant	\$31,976	\$0	\$0	0.03	0.00	0.00
4	4579	Legal, Department of Justice	Internet Crimes Against Children	\$296,866	\$0	\$0	2.00	0.00	0.00
5	4580	Legal, Department of Justice	Medicaid Fraud Control Unit	\$1,940,722	\$646,907	\$0	13.75	4.25	0.00
6	4405	Department of Health and Social Services, Public Health, Community Health	Preventive Health and Health Services Block Grant	\$293,028	\$0	\$0	0.00	0.00	0.00
7	4481	Department of Health and Social Services, Division of Social Services	Supplemental Nutritional Assistance Program Farmers	\$24,990	\$0	\$0	0.00	0.00	0.00
8	4575	Department of Health and Social Services, Public Health, Community Health	Well-Integrated Screening & Evaluation for Women Across the Nation	\$500,000	\$166,667	\$0	1.20	0.00	0.00
9	4577	Department of Health and Human Services, State Service Centers	Community Services Block Grant	\$3,851,915	\$0	\$0	1.75	0.00	0.00
10	4581	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	State Opioid Response	\$36,789,643	\$0	\$0	1.00	0.00	0.00
11	4584	Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse	Strategic Prevention Framework for Prescription Drugs	\$371,616	\$0	\$0	0.00	0.00	0.00

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

12	4587	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification - Hospice	\$17,835	\$0	\$0	0.12	0.00	0.00
13	4588	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey - Medicare	\$1,969,541	\$0	\$0	12.42	0.00	0.00
14	4589	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification - Medicaid	\$1,259,526	\$762,119	\$0	11.19	7.99	0.00
15	4591	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Community Mental Health Block Grant	\$1,582,328	\$0	\$0	1.00	0.00	0.00
16	4600	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Substance Abuse Prevention & Treatment Services	\$3,484,087	\$92,484	\$0	2.20	0.80	0.00
17	4601	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Projects for Assistance in Transition from Homeless	\$300,000	\$107,810	\$0	0.00	0.00	0.00
18	4608	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Delaware Strategic Prevention Framework - Partnership for Success	\$1,000,000	\$0	\$0	0.00	0.00	0.00
19	4609	Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse	Delaware Drug Court Expansion and Enhancement Program	\$400,000	\$69,731	\$0	0.00	0.52	0.00
20	4613	Department of Health and Social Services, State Service Centers	Access & Visitation Program	\$100,000	\$11,111	\$0	0.00	0.00	0.00
21	4621	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment	\$435,491	\$435,491	\$0	0.00	0.00	0.00
22	4625	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III, Part B - Supportive Services	\$1,751,546	\$2,203,892	\$0	12.50	17.50	0.00
23	4626	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III, Part C-1 - Congregate Meals	\$2,169,045	\$1,226,410	\$0	3.75	7.00	0.00
24	4627	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III, Part C-2 Home Delivered Meals	\$1,076,146	\$2,238,512	\$0	0.00	0.00	0.00
25	4628	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III, Part D - Disease Prevention and Health Promotion Services	\$98,661	\$0	\$0	0.00	0.00	0.00
26	4629	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III, Part E - National Family Caregivers Support	\$723,681	\$270,000	\$0	3.00	0.00	0.00
27	4630	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title VII Ombudsman Activity	\$79,314	\$0	\$0	0.00	0.00	0.00
28	4631	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
29	4632	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
30	3984 Amendment	Department of Health and Social Services, Medicaid and Medical Assistance	Health Information Technology Initiatives - Administrative Implementation	\$1,376,000	\$137,599	\$0	0.00	0.00	0.00
31	4645	Department of Services for Children, Youth and Their Families, Division of Prevention and Behavioral Health Services, Prevention/Early Intervention	Delaware Child Psychiatry Access Program	\$445,000	\$89,258	\$0	0.00	0.29	0.00
32	4646	Department of Services for Children, Youth and Their Families, Division of Prevention and Behavioral Health Services, Prevention/Early Intervention	System of Care	\$1,500,000	\$538,371	\$0	0.00	0.85	0.00
33	4648	Department of Services for Children, Youth and Their Families, Division of Prevention and Behavioral Health Services, Prevention/Early Intervention	Community Alliance Behavioral Health and Well-being	\$400,000	\$227,011	\$0	0.00	1.00	0.00
34	4650	Department of Services for Children, Youth and Their Families, Management Support Services, Office of the Secretary	Title IV-E Foster Care	\$3,697,595	\$3,697,167	\$0	2.34	2.34	0.00
35	4153 Amendment	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-E Education and Training Vouchers Program	\$30,000	\$7,556	\$0	0.00	0.00	0.00
36	4474	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Emergency Management Performance Grant	\$3,287,592	\$2,282,592	\$1,005,000	19.10	18.35	0.00
37	4557	Department of Safety and Homeland Security, State Police, Criminal Investigation	Port Security Grant Program	\$302,033	\$100,678	\$0	0.00	0.00	0.00
38	4596	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(f) Motorcycle Safety Grant	\$37,597	\$0	\$0	0.00	0.00	0.00
39	4597	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(h) Non-Motorized Incentive Grant	\$175,832	\$0	\$0	0.00	0.00	0.00

40	4598	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(b) Occupant Protection Incentive Grant	\$288,116	\$0	\$0	0.00	0.00	0.00
41	4603	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(c) Traffic Safety Information System Improvements	\$318,072	\$0	\$0	0.00	0.00	0.00
42	4604	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405(d) Impaired Driving Countermeasures	\$1,140,566	\$0	\$0	0.00	0.00	0.00
43	4605	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 402 Planning and Administration	\$2,221,915	\$188,045	\$0	4.00	2.00	0.00
44	4614	Department of Safety and Homeland Security, Office of the Secretary, Developmental Disabilities Council	Developmental Disabilities Council	\$520,902	\$20,000	\$80,000	4.00	0.00	0.00
45	4654	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Non-Profit Security Grant Program	\$334,980	\$0	\$0	0.00	0.00	0.00
46	4620	Department of Transportation, Planning	High Priority Commercial Motor Vehicle Safety	\$158,300	\$27,934	\$0	0.00	0.00	0.00
47	4636	Department of Transportation, Planning	High Priority Innovative Technology Deployment	\$803,103	\$141,723	\$0	0.00	0.00	0.00
48	4639	Department of Transportation, Planning	Delaware Aviation System Planning	\$103,499	\$0	\$0	0.00	0.00	0.00
49	4593	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Vocational Rehabilitation Services	\$12,076,795	\$3,288,000	\$0	72.40	0.00	0.00
50	4607	Department of Labor, Industrial Affairs, Occupational Safety and Health Administration/Bureau of Labor Statistics	Occupational Safety and Health Statistics	\$79,000	\$79,000	\$0	1.00	1.00	0.00
51	4611	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Supported Employment Services	\$258,000	\$22,875	\$0	0.00	0.00	0.00
52	4612	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Independent Living Services	\$305,350	\$33,928	\$0	1.00	0.00	0.00
53	4633	Department of Labor, Industrial Affairs, Anti-Discrimination	Equal Employment Opportunity Commission	\$253,050	\$0	\$0	3.00	0.00	0.00
54	4634	Department of Labor, Unemployment Insurance	Unemployment Insurance Administration Grant	\$14,000,000	\$0	\$0	128.66	0.00	0.00
55	4635	Department of Labor, Unemployment Insurance	Trade & Alternative Trade Adjustment Benefits	\$2,000,000	\$0	\$0	0.00	0.00	0.00
56	4637	Department of Labor, Industrial Affairs, Occupational Safety and Health Administration/Bureau of Labor Statistics	Occupational Safety and Health Consultation	\$471,400	\$51,267	\$0	5.50	0.50	0.00
57	4190 Amendment	Department of Labor, Unemployment Insurance	Unemployment Insurance Administration Grant	\$3,580,576	\$0	\$0	0.00	0.00	0.00
58	4643	Department of Agriculture, Food Products Inspection	Cooperative Meat Inspection	\$330,739	\$330,746	\$0	3.30	3.30	0.00
59	4647	Department of Agriculture, Food Products Inspection	Cross Utilization	\$250,000	\$0	\$0	2.90	0.00	0.00
60	4649	Department of Agriculture, Administration	Senior Farmer's Market Nutrition Program	\$30,000	\$20,000	\$0	0.00	0.00	0.00
61	4651	Department of Agriculture, Administration	Specialty Crop Block Grant - Farm Bill	\$344,532	\$0	\$0	0.00	0.00	0.00
62	4655	Department of Agriculture, Forest Service	Conservation Reserve Program Sign-up 52	\$18,750	\$0	\$0	0.20	0.00	0.00
63	2020-07-27-04	Department of Education, Caesar Rodney School District	Dover Air Force Base School Budget	\$9,844,731	\$0	\$0	0.00	0.00	0.00
64	4390 Amendment	Department of Education	Title I, Part A - Improving the Academic Achievement	\$0	\$0	\$0	2.25	0.00	0.00

Higher Education

1	2020-09-19-01	Delaware State University	Acquisition of a Raman Spectroscopy System aor Research and Education Training of Students on Thin Film Characterization.	\$443,056	\$0	\$0			
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2	2020-09-19-02	Delaware State University	Photochemical-Photophysical Laboratory for the Study of Enhancer-Free Photogenerated Singlet Oxygen	\$394,607	\$0	\$0
3	2020-09-05-01	Delaware State University	Social and Behavioral Implications for COVID-19 Testing in Delaware's Underrepresented Communities.	\$1,131,394	\$0	\$0
4	2020-09-19-03	Delaware State University	From Petroleum Research to Fintech Development: An Inquiry into Industrial Competitiveness Utilizing Quantum Ecomics.	\$384,948	\$0	\$0
5	2020-09-19-04	Delaware State University	Acquisition of a Advanced Confocal Microscope for Multidisciplinary Research and Education at an HBCU	\$597,019	\$0	\$0
6	2020-09-19-05	Delaware State University	CAREER: Complex Effects of Simple Environmental Filters on Alternative Community States	\$689,577	\$0	\$0
7	2020-09-19-06	Delaware State University	Side Scan Sonar Surveys of Marshyhope Creek Atlantic Sturgeon, 2020-2021	\$24,564	\$0	\$0
8	2020-09-19-07	Delaware State University	NSF I-Corps Hub: Northeast Corridor Region	\$233,472	\$0	\$0
9	2020-09-19-08	Delaware State University	Estimation Nutrient Composition of Indigenous African Foods Consumed in the U.S. to Develop Dietary Guidelines to Improve Food Choices and Health Outcomes	\$599,999	\$0	\$0
10	2020-09-19-09	Delaware State University	Energy Water Conservation in Manufacturing	\$45,713	\$0	\$0
11	2020-09-19-10	Delaware State University	USDA- Agricultural Research Srvices 1890 Faculty Reseach Sabbatical Program (FRSP)- Value Added Product Development From Sprouted High-Protein Rice and Yellow Beans.	\$75,000	\$0	\$0
12	2020-09-12-01	University of Delaware	Wind Energy Driving Rural Change: Economic Diversification, Land Value, Agriculture, and Natural Resource-Based Tourism	\$0	\$0	\$42,616
13	2020-09-12-02	University of Delaware	Comparative Assessment of Total Water Levels for Coastal Military Facility Readiness and Resilience Using Numerical Models	\$1,763,414	\$0	\$0
14	2020-09-12-03	University of Delaware	Understanding and Modeling of Thermal Transport Processes Within Near-Ground Atmosphere in the Presence of Utility-Scale Solar Photovoltaics (PV) Plants	\$0	\$0	\$11,000
15	2020-09-12-04	University of Delaware	NSF I-Corps Hub: Northeast Corridor (NEC) Region	\$0	\$0	\$2,487,585
16	2020-09-12-05	University of Delaware	Career: Machine Learning Approaches to Map Smallholder Responses to Climate Shocks	\$303,696	\$0	\$0
17	2020-09-12-06	University of Delaware	DEMAC-II: A Flexible, Modular and Scalable Open-Source Platform for Parallel Computer Design	\$425,621	\$0	\$0
18	2020-09-12-07	University of Delaware	CAREER: The Fate of Nitrogen Deposition - Urban Forests as a Model System for Studying N Dynamics	\$556,596	\$0	\$0
19	2020-09-12-08	University of Delaware	4H Walmart Healthy Habits FY2021	\$0	\$0	\$58,501
20	2020-09-12-09	University of Delaware	4H Walmart Soccer for Success FY2021	\$0	\$0	\$6,750
21	2020-09-12-11	University of Delaware	Effects of Developmental Alcohol Exposure and Adolescent Exercise Intervention on Myelination of the Corpus Callosum in a Rodent Model of Fetal Alcohol Spectrum Disorders	\$129,542	\$0	\$0
22	2020-09-12-12	University of Delaware	Software for Automated Slicing of 3D Models for Additive Manufacturing of Functionally Graded Materials	\$0	\$0	\$25,000

23	2020-09-12-13	University of Delaware	Service and Maintenance of the Gray's Reef Ocean Acidification Mooring: In Support Of NOAA Ocean Acidification Program FY18-20	\$0	\$0	\$2,061
24	2020-09-12-14	University of Delaware	Rutgers/NOAA OAP GOMO CAI	\$0	\$0	\$40,000
25	2020-09-12-15	University of Delaware	Rutgers/NOAA WCOA Augmentation Tier 2 Measures of D13C	\$0	\$0	\$40,000
26	2020-09-12-16	University of Delaware	Next-Generation Mathbyexample: Developing an Effective Online Intervention for Middle Grades Mathematics Knowledge and Executive Function Skills	\$0	\$0	\$94,627
27	2020-09-12-17	University of Delaware	Collaborative Research: The Role of Ripple Migration in Surf Zone Sediment Transport and Sandbar Migration	\$242,138	\$0	\$0
28	2020-09-12-18	University of Delaware	PFI-TT: Nanostructured Textile-Based Wearable Sensors: Innovative Functional Garments for Virtual Health and Rehabilitation	\$156,743	\$0	\$0
29	2020-09-12-19	University of Delaware	CAREER: Light-Matter Interactions on an Atomically Flat Nanofocusing Platform	\$440,725	\$0	\$0
30	2020-09-12-20	University of Delaware	The Political Economy of Displacement	\$280,876	\$0	\$0
31	2020-09-12-21	University of Delaware	Modeling the Transport of HIV Antivirals Tenofovir Df, Islatravir, Darunavir, Doravirine, Raltegravir, and Efavirenz Into Murine Lymph Nodes	\$0	\$0	\$251,934
32	2020-09-12-22	University of Delaware	Connectome-Based Prediction of Addiction Severity	\$129,542	\$0	\$0
33	2020-09-12-23	University of Delaware	Effects of Neighborhood Disadvantage on Adolescent Cortisol Reactivity and Mental Health	\$129,542	\$0	\$0
34	2020-09-12-24	University of Delaware	Investigating the Role of Mechanical Forces in Nephron Differentiation	\$0	\$0	\$830,000
35	2020-09-12-25	University of Delaware	What Does Teachers' Effective Use of Literacy Curricula in K-3 Instruction Look Like?	\$0	\$0	\$86,732
36	2020-09-12-26	University of Delaware	CAREER: Engineering Selective Incorporation of Catechols for Protein Conjugation	\$414,480	\$0	\$0
37	2020-09-12-27	University of Delaware	CAREER: Optimal Transport Meets Information Science: From Measure Concentration, to Information Theory, to Learning	\$339,065	\$0	\$0
38	2020-09-12-28	University of Delaware	NSF Collaborative Research: Experimental and Numerical Study of Bed Shear Stress and Turbulent Boundary Layer Structure Induced By Breaking-Wave-Generated Vortices	\$252,032	\$0	\$0
39	2020-09-12-29	University of Delaware	CAREER: AILE - A Platform for Ai-Based Studies of Light Echoes in Rubin Lsst Data	\$486,455	\$0	\$0
40	2020-09-12-30	University of Delaware	CAREER: Design and Control of Size Changing Microrobot Swarms for Cellular Delivery	\$378,508	\$0	\$0
41	2020-09-12-31	University of Delaware	CAREER: Achieving Unprecedented Measurement Accuracy by a New Radio-Muon Method for Multi-Messenger Particle Astrophysics	\$733,184	\$0	\$0
42	2020-09-12-32	University of Delaware	The Impact of the Physical Microenvironment on Trophoblast Function	\$195,205	\$0	\$0
43	2020-09-12-33	University of Delaware	How are Microtubules Generated to Find Kinetochores During Cell Division?	\$194,790	\$0	\$0

44	2020-09-12-34	University of Delaware	Understanding Instructional Coaching in Early Childhood Settings	\$0	\$0	\$204,548
45	2020-09-12-35	University of Delaware	An Extension of the VERITAS/Breakthrough Listen Collaborative Program	\$0	\$0	\$51,693
46	2020-09-12-36	University of Delaware	Collaborative Research: DTI: Coding With Beats: Increasing Computer Science Access, Confidence, and Skills of Minoritized Youth Through Creating Hip-Hop	\$411,245	\$0	\$0
47	2020-09-12-37	University of Delaware	CAREER: HPC-: Towards Accelerated Algorithms and Scalable Predictive Methods for Longread Mapping and Rare-Type Disease Studies	\$374,136	\$0	\$0
48	2020-09-12-38	University of Delaware	Novel Model of Tendinosis to Investigate Multiscale Structure and Function of Tendon After Overload	\$195,205	\$0	\$0
49	2020-09-12-39	University of Delaware	Longitudinal Comparison of Viral Load and Immune Response in Two Vulnerable Populations	\$0	\$0	\$35,286
50	2020-09-12-40	University of Delaware	Collaborative Research: NSF-BSF: Evaluating the Influence of Lagrangian Coherent Structures on the Patchy Distribution of Plankton in Productive Coastal Systems	\$572,463	\$0	\$0
51	2020-09-12-41	University of Delaware	Throughput Optimization for the Tailorable Universal Feedstock for Forming (TUFF) Process	\$0	\$0	\$200,000
52	2020-09-12-42	University of Delaware	Facing Your Fears on Campus: An Anxiety Intervention for College Autistic Students	\$0	\$0	\$40,000
53	2020-09-12-43	University of Delaware	Examining the Efficacy of Program-Wide Supports for Pyramid Model Implementation (PWS-PMI): Addressing Young Children's Social-Emotional Competence and Challenging Behavior	\$0	\$0	\$111,276
54	2020-09-12-44	University of Delaware	ABC Training Minnesota Roben 2021	\$0	\$0	\$462,958
55	2020-09-12-45	University of Delaware	COVID-19 SUPPLEMENT: Development of a Psychosocial Symptom Monitoring and Self Management System for Individuals With SCI	\$0	\$0	\$38,934
56	2020-09-12-46	University of Delaware	CAREER: Mechanical Sensors for Exploring the Dark Sector	\$317,896	\$0	\$0
57	2020-09-12-47	University of Delaware	Big Data and Access to Information in Mexico	\$220,265	\$0	\$0
58	2020-09-12-48	University of Delaware	A Geo-Spatial, Data-Driven Framework to Quantify and Improve the Sustainability of the U.S. Food Production System	\$257,710	\$0	\$0
59	2020-09-12-49	University of Delaware	Collaborative Research: Wind Turbulence Over Shoaling Surface Waves and Their Impact on Air-Sea Fluxes	\$334,940	\$0	\$0
60	2020-09-12-50	University of Delaware	Collaborative Research: The Role of Surface Waves in Mixing the Ocean Surface Boundary Layer - A Direct Comparison Between Laboratory Experiments and Numerical Simulations	\$257,531	\$0	\$0
61	2020-09-12-51	University of Delaware	CAREER: Durable Biomimetic Adhesives for Structural Engineering Applications: Adhesion of Mussels to Concrete	\$452,800	\$0	\$0
62	2020-09-12-52	University of Delaware	Economic Recessions, Federal Aid, and School Resource Inequality: Implications for the Era of Coronavirus	\$0	\$0	\$28,783
63	2020-09-12-53	University of Delaware	Tri-E: Expanding the Breadth and Depth of Targeted Reading Instruction	\$1,623,681	\$0	\$0
64	2020-09-12-54	University of Delaware	Targeting Mathematical Misconceptions and Improving Procedural Fluency: An Exploration of Individual Differences in Learning Through Errors	\$1,268,570	\$0	\$0

65	2020-09-12-55	University of Delaware	Virulence Evolution of Marek's Disease Virus (MDV) Field Strains	\$166,966	\$0	\$0
66	2020-09-12-56	University of Delaware	Collaborative Research: Hydrothermal Vent Systems Mediate the Formation and Fate of Refractory Aromatic Carbon in the Deep Ocean	\$585,875	\$0	\$0
67	2020-09-12-57	University of Delaware	Collaborative Proposal: US Geotraces GP17-OCE: Understanding Nd Isotopes and REE systematics in the South Pacific	\$309,798	\$0	\$0
68	2020-09-12-58	University of Delaware	Public Allies FY20/21 National Support	\$0	\$0	\$363,880
69	2020-09-12-59	University of Delaware	The NCAA-DOD Grand Alliance: Concussion Assessment, Research and Education (CARE)	\$0	\$0	\$45,436
70	2020-09-12-60	University of Delaware	Exploring Theory & Design Principles (ETD): Concrete and Interactive Cybersecurity Education (CICE) for Middle School Students	\$267,194	\$0	\$0
71	2020-09-12-61	University of Delaware	Collaborative Research: Assessing Ocean Margin Export of Dissolved Inorganic Carbon and Alkalinity	\$389,368	\$0	\$0
72	2020-09-12-62	University of Delaware	The Baby Play Program: Promoting Motor, Cognitive, and Language Outcomes for Preterm Infants Through Parent Education	\$1,671,214	\$0	\$0
73	2020-09-12-63	University of Delaware	Documenting Dairy Farms in Northern Maryland Phase 2	\$0	\$0	\$44,436
74	2020-09-12-64	University of Delaware	Acquisition of Goods and Services	\$8,182	\$0	\$0
75	2020-09-12-65	University of Delaware	Research Biological Control of Various Invasive Pests to Include Brown Marmorated Stink Bug, Spotted Lanternfly and Spotted Wing Drosophila.	\$22,727	\$0	\$0
76	2020-09-12-66	University of Delaware	Virtual or On-Site Mathematics Coaching and PD for NLELA Teachers	\$0	\$0	\$14,410
77	2020-09-12-67	University of Delaware	Virtual or On-Site Mathematics Coaching and Professional Learning for IM Beta	\$0	\$0	\$16,469
78	2020-09-12-68	University of Delaware	CY2020 NSF OPS Support	\$300,000	\$0	\$0
79	2020-09-12-69	University of Delaware	Supporting Preschoolers' Language and Literacy Skills Through Video Chat Reading	\$1,758,091	\$0	\$0
80	2020-09-12-70	University of Delaware	MCAO Provencal Salary	\$0	\$0	\$121,973
81	2020-09-12-71	University of Delaware	Acquisition of Goods and Services	\$9,091	\$0	\$0
82	2020-09-12-72	University of Delaware	Virtual and On-Site Mathematics Coaching and Professional Learning for Illustrative Math	\$0	\$0	\$15,440
83	2020-09-12-73	University of Delaware	Uncovering a Transient Heritable Memory for HIV Reactivation from Latency	\$0	\$0	\$107,000
84	2020-09-12-74	University of Delaware	RI: Medium: A Human-to-Vehicle Decentralized Coordination Framework for Emerging Mobility Systems	\$779,768	\$0	\$0
85	2020-09-12-75	University of Delaware	Seasonality Amplification Drives Distinct Feedbacks to Air-Sea CO2 Flux in the Western Arctic	\$478,351	\$0	\$0

86	2020-09-12-76	University of Delaware	IES Writing Across Levels of Language in 1st Grade	\$1,492,953	\$0	\$0
87	2020-09-12-77	University of Delaware	A Language Comprehension Screener for 2-Year-Old Spanish-English Dual Language Learners	\$1,721,273	\$0	\$0
88	2020-09-12-78	University of Delaware	Michelman Restricted Gift	\$0	\$0	\$10,000
89	2020-09-12-79	University of Delaware	Production of Macronutrients from Thermally Oxo-Degraded Wastes	\$0	\$0	\$814,295
90	2020-09-12-80	University of Delaware	The Evolution of Ion Distribution Functions in the Solar-Wind from the Sun to the Earth and Beyond	\$366,850	\$0	\$0
91	2020-09-12-81	University of Delaware	Alteration of Immune Response During Infectious Bronchitis Virus Vaccination and Challenge by Feeding of Diamond V Original XPC to Broilers	\$0	\$0	\$33,030
92	2020-09-12-82	University of Delaware	Design of a Breathing Total Lung Platform to Personalize Inhaled Medicines	\$1,500,000	\$0	\$0
93	2020-09-12-83	University of Delaware	iManage-SCI: Improving Bowel and Bladder Symptom Monitoring and Self-Management After SCI	\$500,000	\$0	\$0
94	2020-09-12-84	University of Delaware	Unfolding the Impacts of Individual Characteristics and Spatiotemporal Risk Factors on Risk Perception	\$0	\$0	\$22,144
95	2020-09-12-85	University of Delaware	Mitigating Radiotherapy Related Side Effects in Liver Cancer Patients by Targeting Mitochondrial Redox System	\$536,475	\$0	\$0
96	2020-09-12-86	University of Delaware	FEA of Railroad Wheels	\$0	\$0	\$83,931
97	2020-09-12-87	University of Delaware	Robust CO2 Electrolyzer for Carbon Capture and Utilization	\$0	\$0	\$508,745
98	2020-09-12-88	University of Delaware	SENTINEL: SENSing Threats in Natural Environments Using Ligand-Receptor modules - Extension Phase 2	\$0	\$0	\$36,635
99	2020-09-12-89	University of Delaware	TASK ORDER 3: Composite Hard Upper Torso (CHUT), Design Verification Test Units	\$320,653	\$0	\$0
100	2020-09-12-90	University of Delaware	Illustrative Math Coaching and PI For Teachers and Administration in the High School in Caesar Rodney SD	\$0	\$0	\$12,609
101	2020-09-12-91	University of Delaware	National Watermelon Association Project FY2021	\$0	\$0	\$24,053
102	2020-09-12-92	University of Delaware	Mesoscale-Informed Geoscience and Additive Manufacturing of Clays: From Microscale Physical Chemistry to Macroscale Mechanics	\$0	\$0	\$656,987
103	2020-09-12-93	University of Delaware	Jewish Family Services PADE 20/21 Partner Organization	\$0	\$0	\$17,000
104	2020-09-12-94	University of Delaware	Safety and Efficacy of Avian Paramyxovirus Vecteded Infectious Bursal Disease Vaccine Plus Newcastle Disease Virus B1B1 Vaccine Against Virulent Newcastle Disease Virus Challenge in Chickens	\$0	\$0	\$60,018
105	2020-09-12-95	University of Delaware	Building Pathways to a Diverse Secondary Stem Education Workforce in Delaware Through a Teacher Residency Program	\$936,274	\$0	\$0
106	2020-09-12-96	University of Delaware	TuFF Thermoplastic Composites for Navy Platforms	\$4,519,325	\$0	\$0

107	2020-09-12-97	University of Delaware	Co-Processing Ethanol and CO2 to Generate Valued Chemicals	\$375,001	\$0	\$0
108	2020-09-12-98	University of Delaware	Developing Sophisticated Graphical Understandings in Middle-School Students	\$0	\$0	\$6,220
109	2020-09-12-99	University of Delaware	Data for Societal Good: Machine Learning Approaches to Map Thirsty Crops	\$0	\$0	\$90,909
110	2020-09-13-01	University of Delaware	Effects of Dietary Supplementation of Organic Acids and Natural Identical Compounds on Growth Performance, Intestinal Microbiome, Intestinal Barrier Function and Development of Stress Associated Gut-Health Biomarker in Broilers (Part 2)	\$0	\$0	\$33,772
111	2020-09-13-02	University of Delaware	REU Site: Sustainable Resilient Transportation Systems	\$396,993	\$0	\$0
112	2020-09-13-03	University of Delaware	REU Site: Summer REU ProgramIn Marine Science at the University of Delaware	\$370,379	\$0	\$0
113	2020-09-13-04	University of Delaware	REU Supplement to CPS: Medium: Collaborative Research: Constantly on the Lookout: Low-Cost Sensor Enabled Explosive Detection to Protect High Density Environments	\$16,000	\$0	\$0
114	2020-09-13-05	University of Delaware	Testing the Generalizability of Infant-Directed Speech Supporting Word Learning Across Pediatric Populations	\$1,250,000	\$0	\$0
115	2020-09-13-06	University of Delaware	Bellevue/Samsa Planet Youth Coalition Spf-Pfs Evaluation Team	\$0	\$0	\$25,446
116	2020-09-13-07	University of Delaware	USDA NIFA Animal Health and Disease Research Program 21	\$18,954	\$0	\$0
117	2020-09-13-08	University of Delaware	CAREER: A New Class of Microfluidic Ex Vivo Culture Models to Understand Whole Organ Physiology And Disease	\$18,000	\$0	\$0
118	2020-09-13-09	University of Delaware	CAREER: Engineering Membrane Wrapped Nanoparticles for Targeted RNA Delivery	\$6,000	\$0	\$0
119	2020-09-13-10	University of Delaware	Advanced Remote Rehabilitation for the Military Members with Knee Osteoarthritis (ARMOR): Development and Feasibility Study	\$1,600,000	\$0	\$0
120	2020-09-13-11	University of Delaware	DE Shellfish Aquaculture: Training to Support an Emerging Industry	\$0	\$0	\$23,879
121	2020-09-13-12	University of Delaware	Validation of a Rapid Demographic Assessment Tool for Tidal Marsh Sparrows	\$81,251	\$0	\$0
122	2020-09-13-13	University of Delaware	Life After Sport: Prior Injury and Sedentary Behavior as Mechanisms of Later Poor Health	\$1,250,000	\$0	\$0
123	2020-09-13-14	University of Delaware	Between a Rock and a Sandy Place: Investigation of Hydrodynamic & Acoustics at Rocky Coasts	\$0	\$0	\$790,688
124	2020-09-13-15	University of Delaware	FRAUD: Fraud and Resilience After Urban Disasters	\$0	\$0	\$265,236
125	2020-09-13-16	University of Delaware	Christiana Care Office of Health Equity PADE 20/21 Partner Organization	\$0	\$0	\$12,500
126	2020-09-13-17	University of Delaware	Leading Youth Through Empowerment PADE 20/21 Partner Organization	\$0	\$0	\$14,500
127	2020-09-13-18	University of Delaware	Teen Warehouse PADE 20/21 Partner Organization	\$0	\$0	\$18,000

128	2020-09-13-19	University of Delaware	Professional Development Services for Schools in Passaic, NJ	\$0	\$0	\$384,757
129	2020-09-13-20	University of Delaware	Providing Leadership Coaching for Two Schools as Part Of Region 4 Comprehensive Center Team	\$0	\$0	\$13,064
130	2020-09-13-21	University of Delaware	Connections Community Support Program 2 PADE 20/21 Partner Organization	\$0	\$0	\$16,500
131	2020-09-13-22	University of Delaware	Connections Community Support Programs 1 PADE 20/21 Partner Organization	\$0	\$0	\$16,500
132	2020-09-13-23	University of Delaware	Mental Health Association in Delaware PADE 20/21 Partner Organization	\$0	\$0	\$16,500
133	2020-09-13-24	University of Delaware	Potassium Supplementation and Vascular Function Under High Sodium Conditions	\$0	\$0	\$10,000
134	2020-09-13-25	University of Delaware	United Way of Delaware 1 PADE 20/21 Partner Organization	\$0	\$0	\$18,000
135	2020-09-13-26	University of Delaware	United Way of Delaware 2 PADE 20/21 Partner Organization	\$0	\$0	\$18,000
136	2020-09-13-27	University of Delaware	Cornerstone West CDC 1 PADE 20/21 Partner Organization	\$0	\$0	\$18,000
137	2020-09-13-28	University of Delaware	Cornerstone West CDC2 PADE 20/21 Partner Organization	\$0	\$0	\$16,500
138	2020-09-13-29	University of Delaware	Historical Society of DE PADE 20/21 Partner Organization	\$0	\$0	\$16,500
139	2020-09-13-30	University of Delaware	Multiplying Good PADE 20/21 Partner Organization	\$0	\$0	\$12,500
140	2020-09-13-31	University of Delaware	REACH Riverside Development Corp PADE 20/21 Partner Organization	\$0	\$0	\$16,500
141	2020-09-13-32	University of Delaware	Starfish Casters1 PADE 20/21 Partner Organization	\$0	\$0	\$12,500
142	2020-09-13-33	University of Delaware	Starfish Casters Inc 2 PADE 20/21 Partner Organization	\$0	\$0	\$16,000
143	2020-09-13-34	University of Delaware	Delaware Department of Labor PADE 20/21 Partner Organization	\$0	\$0	\$19,000
144	2020-09-13-35	University of Delaware	Bryan Allen Stevenson School of Excellence PADE 20/21 Partner Organization	\$0	\$0	\$13,000
145	2020-09-13-36	University of Delaware	Nanostructure and Dynamics of Complex Lipid Membranes by Integrated Ixs and Molecular Simulation	\$0	\$0	\$7,437
146	2020-09-13-37	University of Delaware	Musculoskeletal Injuries After Concussion: Predictors and Mechanisms	\$0	\$0	\$913,853
147	2020-09-13-38	University of Delaware	Sustainable Groundwater and Soil Management in Qatar with Emphasis on Public Health Risk Assessment and Mitigation	\$125,000	\$0	\$0
148	2020-09-13-39	University of Delaware	Advanced Leadership Training for Professionals	\$0	\$0	\$54,727

149	2020-09-13-40	University of Delaware	Virtual Delivery of Training and Coaching Services for the Administrative Leadership Development Program	\$0	\$0	\$69,375
150	2020-09-13-41	University of Delaware	Molecular Mechanisms of Co-Operative interactions of EWSFL11 in Ewing's Sarcoma	\$0	\$0	\$150,000
151	2020-09-13-42	University of Delaware	Highly Scalable Mastering and Roll-to-Roll Processing of Tuned Spectral Absorbers	\$0	\$0	\$65,206
152	2020-09-13-43	University of Delaware	Organic Electrochemical Reactor Design for Pharmaceutical Manufacturing	\$0	\$0	\$334,421
153	2020-09-13-44	University of Delaware	Microbial Field Bioreactor Producing Pheromones for Insect Pest Control	\$0	\$0	\$129,160
154	2020-09-13-45	University of Delaware	Equity in Action Plan Provided for Entire NCCVT School District	\$0	\$0	\$34,640
155	2020-09-13-46	University of Delaware	Coherent Lagrangian Pathways in 3D+1 Submesoscale Transport in CALYPSO	\$0	\$0	\$18,927
156	2020-09-13-47	University of Delaware	South Big Data Hub Small Seed Grant/ NIH Metraux Homeless Data for the State of Delaware	\$0	\$0	\$9,064
157	2020-09-13-48	University of Delaware	Optimal Control Prescriptions and Learning for High-Performing Human-Robot Teams	\$0	\$0	\$78,814
158	2020-09-13-49	University of Delaware	Improving the Durability and Extending the Life of Transportation Infrastructure	\$0	\$0	\$139,941
159	2020-09-13-50	University of Delaware	Planning for Resiliency: Reconciling Exodus and Economic Expansion in Peripheral Coastal Communities (ReciPlan)	\$0	\$0	\$40,624
Revised 9/21/2020						

Delaware State Clearinghouse Committee
September Agenda
Meeting to be Held via WebEx
WebEx Meeting Information/Instructions Attached
October 20, 2020 @ 10:00am

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Federal	Positions State	Other
New Business*									
1	4667	Department of State, Division of Small Business	Main Street Technical Assistance	\$150,000	\$25,000	\$0	0.00	0.00	0.00
2	BP 96880 Switch Fund	Judicial, Supreme Court, Regulatory Arms of the Court	BP# 96880 - Judicial Case Processor II				-1.00	1.00	0.00
3	4664	Department of Health and Social Services, Public Health, Community Health	National Diabetes Prevention Program	\$200,000	\$0	\$0	0.20	0.00	0.00
4	4666	Department of Safety and Homeland Security, State Police, Executive	Digital Evidence System Implementation - Byrne JAG	\$840,000	\$224,800	\$0	0.00	0.00	0.00
5	4656	Department of Education	Using Longitudinal Data to Support State Education	\$999,999	\$0	\$0	0.00	0.00	0.00
6	2020-07-27-02	Department of Education	Advancing Postsecondary Career and Technical Education Quality Data	\$0	\$0	\$80,000	0.00	0.00	0.00
7	2020-09-23-01	Las Americas ASPIRA Academy Charter School	Support of ASPIRA High School	\$0	\$0	\$520,000	0.00	0.00	0.00
8	2020-09-23-02	Las Americas ASPIRA Academy Charter School	Support of ASPIRA Schools	\$0	\$0	\$725,000	0.00	0.00	0.00
9	4515 Amendment	Department of Health and Social Services, Public Health, Community Health	Epidemiology & Lab Capacity Detection - CARES Act COVID-19 (BP6728 Switch Fund)	\$0	\$0	\$0	-0.20	0.00	0.00
10	4523 Amendment	Department of Health and Social Services, Child Support Services	Child Support Enforcement Incentive (BP84352 Switch Fund)	\$0	\$0	\$0	-1.00	0.00	0.00
Continued									
1	4676	Executive, Criminal Justice, Criminal Justice Council	Sexual Assault Services Program	\$382,575	\$0	\$0	0.20	0.00	0.00
2	4699	Executive, Criminal Justice, Statistical Analysis Centers	State Justice Statistics Program for Statistical Analysis Centers	\$72,751	\$0	\$0	0.90	0.00	0.00
3	4510	Department of Health and Social Services, Social Services	Social Services Block Grant	\$4,697,962	\$0	\$0	14.55	0.00	0.00
4	4662	Department of Health and Social Services, Public Health, Community Health	Delaware Pregnancy Risk Assessment Monitoring System	\$763,625	\$0	\$0	2.00	0.00	0.00
5	4547 Amendment	Department of Health and Social Services, Public Health, Community Health	Immunization and Vaccines for Children - CARES Act COVID-19	\$600,288	\$0	\$0	0.00	0.00	0.00
6	4560	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	E-2-31 Rare Plant Conservation Program	\$10,500	\$3,500	\$0	0.00	0.02	0.00
7	4615	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-77-T-16 Technical Assistance for Non-Tidal Fisheries	\$228,597	\$76,199	\$0	0.40	0.15	0.00
8	4641	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-37-R-11 Stream and Tidal Tributary Fish Survey	\$31,518	\$10,506	\$0	0.24	0.01	0.00
9	4657	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Recreational Boating Safety Financial Assistance	\$961,172	\$961,172	\$0	7.55	9.80	0.00
10	4617	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Instant Criminal Background Check Act - Record Improvement Program	\$179,000	\$0	\$0	0.00	0.00	0.00
11	4618	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Criminal History Improvement Program	\$182,875	\$20,301	\$0	0.00	0.00	0.00
12	4669	Department of Safety and Homeland Security, Office of the Secretary, Division of Forensic Science	DNA Capacity Enhancement & Backlog Reduction Program	\$425,436	\$0	\$0	0.00	0.00	0.00
13	4678	Fire Prevention Commission, State Fire School	Firefighters Assistance Grant	\$395,273	\$40,831	\$0	0.00	0.00	0.00
14	4679	Fire Prevention Commission, State Fire School	National Fire Academy Training Grant	\$20,000	\$60	\$0	0.00	0.00	0.00
15	2019-04-15-01 Amendment 2	Executive, Delaware State Housing Authority	Housing Choice Vouchers (Moving to Work) - CARES Act COVID-19	\$196,542	\$0	\$0	0.00	0.00	0.00

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

16	2019-04-23-01 Amendment 3	Executive, Delaware State Housing Authority	Community Development Block Grant - CARES Act COVID-19	\$1,880,190	\$0	\$0	0.00	0.00	0.00
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Higher Education

1	2020-10-04-01	Delaware State University	Strengthening Capacity for Food Science Research in Product Development and Metabolomics at Delaware State University	\$445,822	\$0	\$0			
2	2020-10-04-02	Delaware State University	A Soil Health Training Academy for Preparing Minority Agricultural Professionals	\$474,605	\$0	\$0			
3	2020-10-04-03	Delaware State University	Increasing Lactic Acid Bacteria Production of Bactericin Through CRISPER Editing	\$326,884	\$0	\$0			
4	2020-10-04-04	Delaware State University	DE Shellfish Aquaculture Training to Support an Emerging Industry	\$349,098	\$0	\$0			
5	2020-10-04-05	Delaware State University	Reversing On-Farm Anthelmintic Resistance in Small Ruminant Gastrointestinal Nematodes (GIN)	\$350,000	\$0	\$0			
6	2020-10-04-06	Delaware State University	Using Interactive Technology Upgrades to Enhance and Expand Extension Outreach and Improve Approaches in Instructional Delivery Methods in Teaching/Education	\$590,338	\$0	\$0			
7	2020-10-04-07	Delaware State University	Enhancing Public Engagement Via Virtual Resources in Delaware	\$250,000	\$0	\$0			
8	2020-10-04-08	Delaware State University	Using Experiential Learning Opportunities to Enhance Agricultural, Natural Resources, and Nutritional Science Students' Workforce Development.	\$299,983	\$0	\$0			
9	2020-10-04-09	Delaware State University	Increasing the Income Opportunity in Limited Resource Farms Through Developing Value Added Products	\$250,305	\$0	\$0			
10	2020-10-04-10	Delaware State University	Develop a MS in Dietetics Including Experiential Learning to Graduate Nutrient Leaders with Significant Expertise to Address Health Disparities	\$149,962	\$0	\$0			
11	2020-10-04-11	Delaware State University	Integrating Physiology, Transcriptomics and Epigenomics for Sustainable Production of Switchgrass Under Abiotic Stresses	\$297,231	\$0	\$0			
12	2020-10-04-12	Delaware State University	Collaborative Program in Nutrition, Agriculture and the Environment: Curricula Development, Experiential Learning and Community Outreach	\$651,150	\$0	\$0			
13	2020-10-04-13	Delaware State University	Pathogenic Vibrios and Microbiome in On-Bottom and Off-Bottom Oyster Culture as Affected by Weather Events and Environmental Conditions	\$85,008	\$0	\$0			
14	2020-10-04-14	Delaware State University	A Predictive Ecosystem Model: How a Growing Population and Land Use Changes Will Impact Delaware Bay Fisheries Resources	\$99,966	\$0	\$0			
15	2020-10-04-15	Delaware State University	Redding Consortium for Educational Equity	\$0	\$0	\$82,124			
16	2020-10-03-03	Delaware State University	EFNEP FY 21	\$104,460	\$0	\$0			
17	2020-10-04-16	Delaware State University	A Preliminary investigation of a Sleep Risk Profile: The Role of Hyperarousal	\$19,891	\$0	\$0			
18	2020-10-04-17	Delaware State University	Development of Genetic and Genomic Resources in Sugar Maple (Acer Saccharum Marshal) Using Next Generation Sequencing Technologies	\$194,420	\$0	\$0			
19	2020-10-04-18	Delaware State University	Health Fund Application	\$0	\$159,426	\$0			
20	2020-10-03-01	Delaware State University	Agricultural Extension at 1890 Land-Grant Institutions - DSU "Cooperative extension FY20 (1890 Extension)"	\$2,621,154	\$0	\$0			

21	2020-10-03-02	Delaware State University	Agricultural Research at 1890 Land Grant Institutions "Cooperative Research (Evans Allen)"	\$2,774,862	\$0	\$0
22	2020-10-04-19	Delaware State University	Exploring the Hidden Half of the Crops for Safer Food and Environment (ROOT)	\$0	\$0	\$67,135
23	2020-10-04-20	Delaware State University	Excellence in Research: A Novel information Theoretic Approach to Pattern Discovery in Multi-Sensor Streams	\$675,145	\$0	\$0
24	2020-10-10-02	University of Delaware	LEAP-HI: Quantifying and Reducing Operational Uncertainty in Digital Manufacturing (QREOUCTY)	\$0	\$0	\$311,910
25	2020-10-10-03	University of Delaware	Hip Osteoarthritis Signs, Symptoms, and Suspects: An Ultrasound-Imaging Investigation Among Adults with Lower-Limb Amputation	\$0	\$0	\$155,309
26	2020-10-10-04	University of Delaware	Mechanisms and Applications of Electrical Resonance for Aqueous Bio-molecular System	\$0	\$0	\$75,520
27	2020-10-10-05	University of Delaware	Acquisition of Goods and Services	\$27,474	\$0	\$0
28	2020-10-10-06	University of Delaware	Virtual or On-site Professional Learning for High School Illustrative Math Algebra and Algebra II	\$0	\$0	\$9,660
29	2020-10-10-07	University of Delaware	Impact of Assistive Device Use During Treadmill and Overground Walking Post-Stroke	\$0	\$0	\$4,108
30	2020-10-10-08	University of Delaware	TU/NSF: Focused CoPe: NEAULA@RRISCG (from Resilience to Retreat through Integration of Science, Communities, and Governance)	\$0	\$0	\$362,715
31	2020-10-10-09	University of Delaware	Design and Development of a Novel Hydration Sensing System for Active Duty Use	\$0	\$0	\$62,500
32	2020-10-10-10	University of Delaware	Sustainability Support for the Iraqi Institute for the Conservation of Antiquities and Heritage	\$444,445	\$0	\$0
33	2020-10-10-11	University of Delaware	4H Programming in NCC, RT9 and Knollwood For FY2022	\$0	\$0	\$83,999
34	2020-10-10-12	University of Delaware	LEAP HI: ENVISION: Engineering Viable Stem-Cell Arrays for Intestine-Mimicking, Organized Niches	\$1,463,290	\$0	\$0
35	2020-10-10-13	University of Delaware	NSF-DFG Echem: Influence of the Sulfur Stoichiometry on the Mechanism of the Hydrogen Evolution Reaction	\$136,053	\$0	\$0
36	2020-10-10-14	University of Delaware	Probing RDoC Domains Through Online Social Interactions: fMRI Task Development in Typical and At-Risk Adolescents	\$0	\$0	\$97,278
37	2020-10-10-15	University of Delaware	IR-MALDESI Measurement and Modeling Extracellular and Intracellular Drug Transport in Lymph Nodes	\$335,546	\$0	\$0
38	2020-10-10-16	University of Delaware	Agricultural Innovation Using CRISPR-Cas9 Enhanced Probiotic	\$0	\$0	\$69,821
39	2020-10-10-17	University of Delaware	Collaborative Research: Developing Feasible Retrofit Strategies for Steel Moment Frames Using Machine Learning and Agent-Based Modeling for Post-Earthquake Recovery and Resilience	\$166,478	\$0	\$0
40	2020-10-10-18	University of Delaware	Soil-Microbe-Plant Continuum: Harnessing and Enhancing the Endurance of the Biocontrol Agent Bacillus Subtilis Against Abiotic Stresses.	\$0	\$0	\$168,330
41	2020-10-10-19	University of Delaware	Efficacy of an Integrated Intervention to Treat Maternal Depression and Children's Behavior Problems: A Transnational Perspective	\$0	\$0	\$136,920
42	2020-10-10-20	University of Delaware	ELA Coaching in the Implementation of Evidence-Based Instructional Practices	\$0	\$0	\$2,058

43	2020-10-10-21	University of Delaware	Smart Electronic Tongues for Detecting COVID-19 in Domestic Wastewater: Development and Validation of Real-time Sensor Platform for Decentralized Monitoring of Community Health	\$0	\$0	\$452,924
44	2020-10-10-22	University of Delaware	Collaborative Research: DMS/NIGMS 1: Mechanistic Modeling and Inference of Cell State Dynamics	\$164,993	\$0	\$0
45	2020-10-10-23	University of Delaware	Case Study in the Regulation of Cellular Development by Transition Metals --The Role of Iron Metabolism in Erythroid Development.	\$0	\$0	\$276,016
46	2020-10-10-24	University of Delaware	Predictive Modeling & Optimal Control Framework for Model-Based Epidemic Response in Delaware	\$390,937	\$0	\$0
47	2020-10-10-25	University of Delaware	Synthesis of Research on Effects of Professional Development on Elementary and Secondary Mathematics Achievement	\$0	\$0	\$80,500
48	2020-10-10-26	University of Delaware	Plasmodesmata and Chloroplasts in Integrative Defense Signaling	\$586,129	\$0	\$0
49	2020-10-10-27	University of Delaware	CDS&E: Mesoscale Modeling of Fracture in Multimaterial Ceramic Composites	\$243,292	\$0	\$0
50	2020-10-10-28	University of Delaware	Behavioral and Computational Processes of Motor Learning in Parkinson Disease	\$0	\$0	\$125,000
51	2020-10-10-29	University of Delaware	Christopher & Dana Reeve Foundation Paralysis Resource Center Quality of Life Assist Tech High Impact Innovation Quality of Life Grants for State Assistive Technology Programs	\$0	\$0	\$63,950
52	2020-10-10-30	University of Delaware	Collaborative Research: Using Reservoir Operations to Photolytically Degrade Wildfire-Derived Contaminants in Drinking Water	\$52,628	\$0	\$0
53	2020-10-10-31	University of Delaware	Lodging in Sorghum: Linking Microstructure to Mechanics	\$0	\$0	\$129,165
54	2020-10-10-32	University of Delaware	Heme Trafficking in Prokaryotic Cytochrome C Biogenesis	\$1,250,000	\$0	\$0
55	2020-10-10-33	University of Delaware	Supplement to a Comprehensive System for 3D Augmented Reality with Fusion on Radar , Ir, Color, Depth (Using Stereo) and Classification of Hidden Target Objects	\$1,255,377	\$0	\$0
56	2020-10-10-34	University of Delaware	Introducing Students to Advanced Manufacturing Engineering Education and Careers in Multidisciplinary Design and Manufacturing Environments	\$0	\$0	\$327,509
57	2020-10-10-35	University of Delaware	USDA Hatch Multistate FY21	\$533,636	\$0	\$0
58	2020-10-10-36	University of Delaware	Mission Impossible: Cooperative Physical Interactions in Heterogeneous Robot Teams	\$0	\$0	\$79,976
59	2020-10-10-37	University of Delaware	Quantum Many Particle Phenomena in Bilayer Two Dimensional Systems	\$298,881	\$0	\$0
60	2020-10-10-38	University of Delaware	Acquisition of Goods and Services	\$34,545	\$0	\$0
61	2020-10-10-39	University of Delaware	Monitoring Railway Infrastructure Using Satellite Interferometric Synthetic Aperture Radar	\$0	\$0	\$62,497
62	2020-10-10-40	University of Delaware	Small Business Administration Cooperative Agreement FY20-21	\$690,437	\$471,592	\$0
63	2020-10-10-41	University of Delaware	Effect of Temperature-Induced Changes in Bottom Water Oxygenation on Benthic Foraminiferal Faunal Assemblages	\$0	\$0	\$110,000
64	2020-10-10-42	University of Delaware	COVID-19 Data Collection and Resource Mapping to Regionally Coordinate Health and Wellness Resources for Older New Castle Countians	\$0	\$0	\$40,848

65	2020-10-10-43	University of Delaware	Interstellar Mapping and Acceleration Probe (IMAP)	\$0	\$0	\$5,469
66	2020-10-10-44	University of Delaware	A Non-classical Information Structure and Optimal Control for Next Generation Mobility Systems	\$327,868	\$0	\$0
67	2020-10-10-45	University of Delaware	Quantum Many Particle Phenomena in Bilayer Two Dimensional Systems	\$204,440	\$0	\$0
68	2020-10-10-46	University of Delaware	Development of an Automated Geospatial Technologies Inspection System (Agtis) for Rail Turnout Inspection	\$0	\$0	\$93,760
69	2020-10-10-47	University of Delaware	Automated Fabrication of Ablation-Resistant TPS	\$0	\$0	\$131,517
70	2020-10-10-48	University of Delaware	Heading and Soccer: Understanding Cognitive Risks, Benefits, and the Potential Mediating Role of White Matter	\$0	\$0	\$130,182
71	2020-10-10-49	University of Delaware	CIFAR Co-Director Humans & the Microbiome Program	\$0	\$0	\$38,745
72	2020-10-10-50	University of Delaware	Engineering Biomaterials Chemistry for Applications in Respiratory Health	\$0	\$0	\$75,000
73	2020-10-10-51	University of Delaware	Racial Disparities in Pain Care: A Comprehensive Integration of Patient-, Clinician, and Dyadic-Level Mechanisms Using a Mixed-Methods Research Design	\$0	\$0	\$344,121
74	2020-10-10-52	University of Delaware	Improving Professional Development in Mathematics by Understanding the Mechanisms that Translate Teacher Learning into Student Learning	\$2,742,091	\$0	\$0
75	2020-10-10-53	University of Delaware	Spectral and Combinatorial Properties of Graphs and Association Schemes	\$124,759	\$0	\$0
76	2020-10-10-54	University of Delaware	Targeting Aerosols: Approximating the Airways by Design-Driven 3D Printing	\$0	\$0	\$50,000
77	2020-10-10-55	University of Delaware	Enhancing Macrophage Transplant Survival for Lung Cancer Therapies	\$0	\$0	\$50,000
78	2020-10-10-56	University of Delaware	Influence of State Policy, Waivers and Educational Adaptations on New Graduate Nurses in the Workforce During the COVID19 Global Pandemic	\$0	\$0	\$35,334
79	2020-10-10-57	University of Delaware	Novel Approaches for Assessing Chronic Comorbidities and Predicting Adverse Outcomes Among Ethnically-Diverse Populations of Prostate Cancer Survivors	\$594,353	\$0	\$0
80	2020-10-10-58	University of Delaware	University of Delaware Expanded Food and Nutrition Education Program (EFNEP) FY2021	\$313,297	\$0	\$0
81	2020-10-10-59	University of Delaware	NIFA McIntire Stennis 21	\$145,816	\$0	\$0
82	2020-10-10-60	University of Delaware	15 Days of Professional Coaching to Improve Bookworms Reading and Writing Curriculum Implementation.	\$0	\$0	\$7,720
83	2020-10-10-61	University of Delaware	NOAA NWS National Mesonet Program 2020	\$0	\$0	\$9,604
84	2020-10-10-62	University of Delaware	Collaborative Research: Surface Wave-Coupled Mixing and Transport in Coastal Oceans	\$208,065	\$0	\$0
85	2020-10-10-63	University of Delaware	University of Delaware NMP11	\$0	\$0	\$138,000
86	2020-10-10-64	University of Delaware	Center of Biomedical Research Excellence in Cardiovascular Health	\$7,516,284	\$0	\$0

87	2020-10-10-65	University of Delaware	Bridge to the Baccalaureate at the University of Delaware	\$2,837,390	\$0	\$0
88	2020-10-10-66	University of Delaware	Chincoteague Inlet Modeling Study - Continuation - Years 2 and 3	\$0	\$0	\$57,500
89	2020-10-10-67	University of Delaware	USDA Hatch Regular Rieger 21	\$1,188,926	\$0	\$0
90	2020-10-10-68	University of Delaware	Immune and Metabolic Kinome Analysis to Evaluate Salmonella and Campylobacter Colonization in Poultry	\$50,000	\$0	\$0
91	2020-10-10-69	University of Delaware	Nature of Engineering Research and Design (NERD)	\$0	\$0	\$151,272
92	2020-10-10-70	University of Delaware	CRII: SaTC: Securing Containers in Multi-Tenant Environment via Augmenting Linux Control Groups	\$100,295	\$0	\$0
93	2020-10-10-71	University of Delaware	IIE Scholar Rescue Fund Fellowship	\$0	\$0	\$25,000
94	2020-10-10-72	University of Delaware	New Roles for Topoisomerase II in Meiosis	\$1,250,000	\$0	\$0
95	2020-10-10-73	University of Delaware	Unleashing Women's Power & Influence (UWPI) Through Innovation & Entrepreneurship	\$0	\$0	\$7,999,998
96	2020-10-10-74	University of Delaware	Grand Challenge FAIR DEAL LDRD Project	\$0	\$0	\$31,250
97	2020-10-10-75	University of Delaware	Ultrathin Soft Magnetic Material Laminates for High Frequency Power Electronics	\$0	\$0	\$51,700
98	2020-10-10-76	University of Delaware	Collaborative Research: Developing an Open-Source, Holistic Framework to Predict Nuisance Flooding in Vulnerable Communities	\$32,913	\$0	\$0
99	2020-10-10-77	University of Delaware	Targeting Mathematical Misconceptions and Understanding Individual Differences in Learning Through Errors	\$1,096,625	\$0	\$0
100	2020-10-10-78	University of Delaware	Low Differentially Uniform Functions and Their Applications	\$177,214	\$0	\$0
101	2020-10-10-79	University of Delaware	Investigate the Role of KIF1A In Optic Nerve Development and Homeostasis	\$0	\$0	\$2,215
102	2020-10-10-80	University of Delaware	Process Modeling of Entire Autoclave Assembly for Complex Geometries and its sensitivity to Defect formation	\$0	\$0	\$125,000
103	2020-10-10-81	University of Delaware	Where are the Shocks in O Star Winds? Understanding Constraints from F/I Ratios in He-Like Ions	\$0	\$0	\$23,134
104	2020-10-10-82	University of Delaware	CFPB FY21: Research Advisor to the Office of Consumer to Conduct Research on Emergency Savings and Natural Disasters	\$52,796	\$0	\$0
105	2020-10-10-83	University of Delaware	Trust-NEARCHAT: Trust Network Emergence Amongst Resource-Constrained Human-Agent Teams	\$0	\$0	\$119,603
106	2020-10-10-84	University of Delaware	The Role of Nurse Practitioners in Improving Access to Primary Care	\$0	\$0	\$18,021
107	2020-10-10-85	University of Delaware	Interpretable Maximal Discrepancy Algorithms for Ensuring Representative Data to Improve Machine Learning	\$225,582	\$0	\$0
108	2020-10-10-86	University of Delaware	Replication Modules Predict Life History Strategies of Virioplankton	\$0	\$0	\$1,000

109	2020-10-10-87	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
110	2020-10-10-88	University of Delaware	USDA SLBC FY2021	\$1,411,624	\$0	\$0
111	2020-10-10-89	University of Delaware	Transformative Extracellular Vesicle Technologies for COVID-19 Prevention and Treatment	\$0	\$0	\$501,137
112	2020-10-10-90	University of Delaware	NASA Delaware Space Grant College and Fellowship Program Years 2-4 Augmentation	\$235,302	\$0	\$0
113	2020-10-10-91	University of Delaware	Manufacturing USA: Quantifying Rules of Life that Enable Advanced Biomanufacturing of Therapeutic Proteins in Mammalian Cells	\$772,194	\$0	\$0
114	2020-10-10-92	University of Delaware	Remove-Replace and Inter-Day Reliability of Functionally Oriented Imu Data	\$0	\$0	\$27,688
115	2020-10-10-93	University of Delaware	Elucidating the Role of MicroRNA-31 in Mitosis in Early Embryonic Development	\$0	\$0	\$1,000
116	2020-10-10-94	University of Delaware	Correlations, Extensions and Positivity in Non-Commutative Analysis	\$126,602	\$0	\$0
117	2020-10-10-95	University of Delaware	Characterization of Peripheral Blood Exosomes as Biomarkers of Disease for Osteosarcoma	\$0	\$0	\$130,989
118	2020-10-10-96	University of Delaware	Advanced Processing for Stable High Efficiency Perovskite Photovoltaics	\$937,500	\$0	\$0
119	2020-10-10-97	University of Delaware	Elucidating and Flipping the Conformational Switch that Regulates Hepatitis B Virus Capsid Assembly	\$0	\$0	\$300,000
120	2020-10-10-98	University of Delaware	The Aging Vestibular System: Mechanistic Implications for Balance Control, Clinical Assessment and Perceptual Thresholds	\$2,419,318	\$0	\$0
121	2020-10-10-99	University of Delaware	Regulation of Mitochondrial Heme Synthesis in Erythroid Cells	\$1,506,166	\$0	\$0
122	2020-10-11-01	University of Delaware	The Payload for Ultrahigh Energy Observations (PUEO): A Long-duration Balloon-borne Instrument for Particle Astrophysics at the Highest Energies	\$0	\$0	\$1,118,041
123	2020-10-11-02	University of Delaware	University of Delaware Renewable Resources Extension Act FY2021	\$46,449	\$0	\$0
124	2020-10-11-03	University of Delaware	Large-Scale Cope Hub: Community Resilience Initiative (Cri) - Adapting to Sea Level Rise Using Advanced Physical Modeling, Public Finance and Policy Development, Just and Equitable Stakeholder Engagement, and Innovative Community Design	\$0	\$0	\$314,483
125	2020-10-11-04	University of Delaware	Professional Coaching to Train and Support Teachers in Bookworms Curriculum Implementation in K-5th Grade Classrooms	\$0	\$0	\$3,088
126	2020-10-11-05	University of Delaware	Utilizing Food Waste for Biomanufacturing	\$74,216	\$0	\$0
127	2020-10-11-06	University of Delaware	Secondary Mathematics Teachers Learning to Engage Students (SMTLES)	\$1,224,614	\$0	\$0
128	2020-10-11-07	University of Delaware	Top-Down Controls and Dynamics of Valuable Fisheries Resources in Coastal Marine Ecosystems	\$0	\$0	\$10,827
129	2020-10-11-08	University of Delaware	Increased Dietary Fructose Unmasks Salt Sensitive Blood Pressure in Young Healthy Adults	\$0	\$0	\$1,000
130	2020-10-11-09	University of Delaware	BMGF Live Build	\$0	\$0	\$90,423

131	2020-10-11-10	University of Delaware	Post-Concussion Musculoskeletal Injuries: Statistical Risk Score and Neurophysiological Mechanisms	\$2,401,174	\$0	\$0
132	2020-10-11-11	University of Delaware	Harnessing Unnatural Protein Building Blocks to Control Microbial Immunogenicity and Proliferation	\$1,250,000	\$0	\$0
133	2020-10-11-12	University of Delaware	Using a Micro-Longitudinal Study to Define a Chrono-Behavioral Profile of Metabolic Health in Emerging Adults	\$2,616,616	\$0	\$0
134	2020-10-11-13	University of Delaware	The Road to Politics: Chinese Private Entrepreneurs and Economic Policy-making in China- Ways and Avenues	\$0	\$0	\$2,500
135	2020-10-11-14	University of Delaware	Mellon Foundation: Enhance & Expand Remote Teaching & Learning Resources	\$0	\$0	\$150,000
136	2020-10-11-15	University of Delaware	The War at Home: An Ethnographic Study of Veteran Homelessness	\$58,594	\$0	\$0
137	2020-10-11-16	University of Delaware	LTER SUPP: Ecological Response and Resilience to Press-Pulse Disturbances and a Recent Decadal Reversal in Sea Ice Trends Along the West Antarctic Peninsula	\$0	\$0	\$49,576
138	2020-10-11-17	University of Delaware	IUCRC Phase II+ University of Delaware: Advanced Mammalian Biomanufacturing Innovation Center (AMBIC)	\$382,812	\$0	\$0
139	2020-10-11-18	University of Delaware	Collaborative Research: Middle School Students Graphing from the Ground Up	\$137,275	\$0	\$0
140	2020-10-11-19	University of Delaware	Collaborative Research: Supporting Teachers to Develop Equitable Mathematics Instruction Through Rubric-based Coaching	\$418,667	\$0	\$0
141	2020-10-11-20	University of Delaware	Constructive Approximations of Totally Nonnegative Matrices and Kernels	\$131,823	\$0	\$0
142	2020-10-11-21	University of Delaware	Selectivity and Regulation of MRNA Demethylation by Iron-Dependent Dioxygenases	\$1,250,000	\$0	\$0
143	2020-10-11-22	University of Delaware	Local vs. Distributed Fear Memory in the Brain	\$1,491,510	\$0	\$0
144	2020-10-11-23	University of Delaware	Longitudinal Study of SARS-CoV-2 Infection and Humoral Immunity in Sickle Cell Disease	\$0	\$0	\$58,810
145	2020-10-11-24	University of Delaware	Sustained Ocean Observations with Underwater Gilder Support of Hurricane Intensity Forecasts	\$0	\$0	\$18,242
146	2020-10-11-25	University of Delaware	Support for Early Childhood State Systems Through the Act Early Network to Support Recovery and Strengthen Resilience Skills, Behaviors, and Resources of Children, Families, and Communities	\$0	\$0	\$75,456
147	2020-10-11-26	University of Delaware	Collaborative Research: Next-Generation MathByExample: Developing an Effective Online Intervention for Middle Grades Mathematics Knowledge and Executive Function Skills	\$297,385	\$0	\$0
148	2020-10-11-27	University of Delaware	Promoting Probabilistic Modeling Among Undergraduate and Graduate Students	\$280,170	\$0	\$0
149	2020-10-11-28	University of Delaware	Investigating the Osteocyte Perilacunar Remodeling (Pir) in Breast Cancer Bone Metastasis	\$0	\$0	\$912
150	2020-10-11-29	University of Delaware	Evaluating the Impact of DBT Skills Group on Re-entry Court Effectiveness	\$16,000	\$0	\$0
151	2020-10-11-30	University of Delaware	Prokaryotic Argonautes and Accessory Proteins in RNA/DNA Interference	\$1,250,000	\$0	\$0
152	2020-10-11-31	University of Delaware	Multiscale Considerations for Immune Engineering at Mucosal Interfaces	\$1,250,000	\$0	\$0

153	2020-10-11-32	University of Delaware	CHATS: Computational HAT Model of Status Sensitivity to Facilitate Team Trust and Performance Under Suboptimal Conditions	\$1,083,986	\$0	\$0
154	2020-10-11-33	University of Delaware	Targeting Mechanosignaling in Pediatric Brain Cancer	\$0	\$0	\$500,000
155	2020-10-11-34	University of Delaware	Data Science for Discovery's Sake: Synthetic Media Detection and Social Network Analysis	\$0	\$0	\$16,714
156	2020-10-11-35	University of Delaware	Evaluation of FHB Management Strategies in Delaware Following the MGMT Coordinated Projects Standard Protocol	\$0	\$0	\$18,253
157	2020-10-11-36	University of Delaware	Thinkdemic: Student-Led Health Research Interventions for Increasing Science Motivation and Careers	\$0	\$0	\$154,482
158	2020-10-11-37	University of Delaware	The Impact of Cultural Practices, Media Exposure, and Family Communication about Meat Consumption Behavior in Cancer-Related Disparities	\$1,901,859	\$0	\$0
159	2020-10-11-38	University of Delaware	Translating Mechanical Biomarkers at the Mesoscale: From Multicellular Disease Models to Implants	\$1,250,000	\$0	\$0
160	2020-10-11-39	University of Delaware	Supplement to Engineering Sciences: Electronics: Optoelectronic Response of Inter-Crystalline Phase Change Materials: High Temperature Integrated Optoelectronic Testing Platform for New Phase Change Materials	\$7,500		\$0
161	2020-10-11-40	University of Delaware	Egg-Based Igy Antibody Project for Histomonas and Hepatitis E Antigens	\$0		\$23,393
162	2020-10-11-41	University of Delaware	Understanding Decadal Changes of Eddy Kinetic Energy, Jets, and Frontal Locations in the Southern Ocean	\$0		\$245,008
163	2020-10-11-42	University of Delaware	Impacting Chemical Biology Through Synthetic Excellence	\$0		\$95,259
164	2020-10-11-43	University of Delaware	Nuvve Research Year 5 Funding	\$0		\$349,163
165	2020-10-11-44	University of Delaware	NCCVT SD/OE 2020 Seminars for Delaware Teachers Institute for FY21	\$0		\$5,000

Posted 10/13

Delaware State Clearinghouse Committee
October Agenda
Meeting to be Held via WebEx
WebEx Meeting Information/Instructions Attached
November 17, 2020 @ 10:00am

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
New Business*									
1	4700	Department of State, Public Archives	Historical Records: Archival Projects	\$22,865	\$22,866	\$0	0.10	0.10	0.00
2	4704	Department of Health and Social Services, State Service Centers	AmeriCorps Formula Planning	\$146,775	\$0	\$0	0.00	0.00	0.00
3	4511	Department of Natural Resources and Environmental Control, Office of Natural Resources, Parks and Recreation	Bellevue State Park Paving Improvements	\$162,151	\$162,151	\$0	0.00	0.00	0.00
4	2020-10-07-01	Polytech School District, Adult Education	Practical Nursing Simulation Activity Development - CARES Act COVID-19	\$23,717	\$0	\$0	0.00	0.00	0.00
5	2020-10-27-01	Polytech School District, Adult Education	Practical Nursing Student Emergency Aid Fund - CARES Act COVID-19	\$23,717	\$0	\$0	0.00	0.00	0.00
Continued									
1	4686	Executive, Criminal Justice, Criminal Justice Council	Services-Training-Officers-Prosecutors, Violence Against Women Grant	\$949,283	\$198,100	\$80,211	3.58	1.54	0.00
2	4698	Executive, Criminal Justice, Criminal Justice Council	Edward Byrne Memorial Justice Assistance Grant	\$848,708	\$42,729	\$0	0.80	0.55	0.00
3	4684	Department of State, Division of Human Relations	Fair Housing Assistance Program	\$129,759	\$0	\$0	1.00	0.00	0.00
4	4435 Amendment	Department of Health and Social Services, State Service Centers	Community Development Block Grant - CARES Act COVID-19	\$312,161	\$0	\$0	0.00	0.00	0.00
5	4556	Department of Health and Social Services, Social Services	Child Care Development Fund - Matching	\$4,720,000	\$4,720,000	\$0	0.00	0.00	0.00
6	4558	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
7	4599	Department of Health and Social Services, Social Services	Supplemental Nutritional Assistance Program Nutritional Education	\$1,246,487	\$0	\$0	0.00	0.00	0.00
8	4672	Department of Health and Social Services, Public Health, Community Health	Integrated HIV/AIDS Prevention	\$1,039,019	\$0	\$0	3.50	0.00	0.00
9	4673	Department of Health and Social Services, Public Health, Community Health	Integrated HIV/AIDS Core Surveillance	\$314,308	\$0	\$0	3.25	0.00	0.00
10	4675	Department of Health and Social Services, Public Health, Community Health	Maternal and Child Health Services	\$2,027,826	\$13,086,553	\$0	18.75	53.00	0.00
11	4682	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Employment and Training Reimbursement	\$369,156	\$369,156	\$0	0.00	0.00	0.00
12	4690	Department of Health and Social Services, Visually Impaired Services	Independent Living Services for Older Individuals Who Are Blind	\$225,000	\$212,872	\$0	1.75	3.00	0.00
13	4691	Department of Health and Social Services, Visually Impaired Services	Vocational Rehabilitation- Blind (Basic Support)	\$1,564,172	\$419,714	\$0	13.00	0.00	0.00
14	4703	Department of Health and Social Services, State Service Centers	Training & Technical Assistance Commission Investment	\$149,090	\$0	\$0	0.00	0.00	0.00
15	4705	Department of Health and Social Services, State Service Centers	AmeriCorps State Administrative Grant for Delaware Commission on Community and Volunteer Servi	\$265,000	\$265,000	\$0	2.75	2.28	0.00
16	4707	Department of Health and Social Services, Public Health, Community Health	Clinical Laboratory Improvement Amendments	\$49,873	\$0	\$0	0.60	0.00	0.00
17	4617	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Instant Criminal Background Check System Act Record Improvement Program	\$179,999	\$0	\$0	0.00	0.00	0.00
18	4618	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Criminal History Improvement Program	\$182,875	\$20,301	\$0	0.00	0.00	0.00

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

17	4701	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management	Homeland Security Grant Program	\$4,287,500	\$0	\$0	2.75	0.00	0.00
18	4504 Amendment	Department of Education, Student Support	Special Milk Program	\$3,019	\$0	\$0	0.00	0.00	0.00
19	4506 Amendment	Department of Education, Student Support	Child and Adult Care Food Program Cash in Lieu	\$291,670	\$0	\$0	0.00	0.00	0.00

Higher Education

1	2020-11-07-01	Delaware State University	FSEOG 2019-2020	\$215,364	\$0	\$0			
2	2020-11-07-02	Delaware State University	FWS 2019-2020	\$194,699	\$0	\$0			
3	2020-11-07-03	Delaware State University	FSEOG 2020-2021	\$244,868	\$0	\$0			
4	2020-11-07-04	Delaware State University	FWS 2020-2021	\$221,813	\$0	\$0			
5	2020-11-08-01	Delaware State University	Acquisition of an Advanced Confocal Microscope for Multidisciplinary Research and Education at an HBCU	\$597,019	\$0	\$0			
6	2020-11-08-02	Delaware State University	Excellence in Research: What Can HBCUS do to Attract Majors in Quantitative, Quantum Or Stochastic Economics and Fintech Development.	\$400,000	\$0	\$0			
7	2020-11-08-03	Delaware State University	2021 Renewable Resources Extension Act Program at DSU	\$13,500	\$0	\$0			
8	2020-11-08-04	Delaware State University	(Working) Marine Distribution of Gulf of Mexico Sturgeon; Improved Understanding of NAVSEA Testing Through a Multi-Phase Passive Acoust	\$466,025	\$0	\$0			
9	2020-11-08-05	Delaware State University	Estimating Atlantic Sturgeon Spawner Abundance and Juvenile Recruitment to Better Understand Stock-Recruitment Relationships	\$407,307	\$0	\$0			
10	2020-11-08-06	Delaware State University	The Journey of Pathological TDP - 43 From the Nucleus to Mitochondria Influences Ad Pathology	\$438,001	\$0	\$0			
11	2020-11-08-07	Delaware State University	Neural and Network Activity Changes in TDP-Related Models of Sporadic Ad	\$364,995	\$0	\$0			
12	2020-11-08-08	Delaware State University	Sorting Vesicular Acetylcholine Transporter in Central Cholinergic Synapses	\$1,762,899	\$0	\$0			
13	2020-11-08-09	Delaware State University	Cooperative the Role of Ribonucleases in Physiological Adaptation to Extreme Environments in C. Elegans	\$378,890	\$0	\$0			
14	2020-11-08-10	Delaware State University	Excellence in Research: Optical Pulse Propagation and Light Interaction with Novel Nonlinear Materials	\$952,076	\$0	\$0			
15	2020-11-08-11	Delaware State University	Increasing the Use of a Natural Fungus (Duddingtonia Flagrans) to Control Internal Parasites in Small Ruminants	\$199,992	\$0	\$0			
16	2020-11-08-12	Delaware State University	Aquaponics in the Classroom to Promote Awareness, Support and Profitability of Sustainable Aquaculture in the Northeast	\$77,345	\$0	\$0			
17	2020-11-08-13	Delaware State University	SARS Cov-2 Hot-Spot Mapping and Entry Inhibitor Discovery	\$438,000	\$0	\$0			
18	2020-11-08-14	Delaware State University	Excellence in Research: Scaling Social Capital and Health Among Migrants and African Americans Across Space: A Community-Engaged Approach	\$634,640	\$0	\$0			
19	2020-11-08-15	Delaware State University	Excellence in Research: Effect of Hydration on the Thermo-Elastic Properties of Mantle Minerals and the Geophysical Implications.	\$672,584	\$0	\$0			
20	2020-11-08-16	Delaware State University	Ultra-High Precision Sensing and Simultaneous Measurements of Dissolved Carbon and Sulphur Isotypes	\$392,639	\$0	\$0			
21	2020-11-14-01	University of Delaware	Supporting Teachers to Teach Mathematics Through Problem Posing: An Early-Stage Longitudinal Study	\$1,792,105	\$0	\$0			
22	2020-11-14-02	University of Delaware	StaticCode-CT: Dual and Multi-Energy Low-Dose CT with Static 2D and 3D Coded Apertures	\$1,428,195	\$0	\$0			
23	2020-11-14-03	University of Delaware	ABC Dissemination Training 2021	\$0	\$0	\$148,147			
24	2020-11-14-04	University of Delaware	Study of Emerging Adults Relationships and Academic Motivation	\$0	\$0	\$1,500			

25	2020-11-14-05	University of Delaware	Creating an Informed, Educated and Diverse Community of Solar Energy Users	\$0	\$0	\$31,058
26	2020-11-14-06	University of Delaware	NNERPP District Research Leaders Network	\$0	\$0	\$4,307
27	2020-11-14-07	University of Delaware	SEL Navigator: The Design and Development of a Telemetric Social Emotional Learning Dashboard	\$1,132,465	\$0	\$0
28	2020-11-14-08	University of Delaware	Predictive Models of Childhood Obesity	\$2,672,134	\$0	\$0
29	2020-11-14-09	University of Delaware	Rethinking Gait Analysis: Development of an Inertial Sensor-Based Approach For The Routine Monitoring of Gait Mechanics Outside of the Laboratory	\$342,193	\$0	\$0
30	2020-11-14-10	University of Delaware	Characterizing Sympathetic Function Across the Menopausal Transition	\$275,000	\$0	\$0
31	2020-11-14-11	University of Delaware	Discovery of Sequences that Mark Proteins for Proteolysis in Pathogenic Bacteria	\$250,000	\$0	\$0
32	2020-11-14-12	University of Delaware	SNAPS - Neutron Scattering Sample Environment for Simultaneous Neutron and Photon Scattering	\$0	\$0	\$71,805
33	2020-11-14-13	University of Delaware	Boys and Girls Club of DE PADE 20/21 Partner Organization	\$0	\$0	\$22,500
34	2020-11-14-14	University of Delaware	Tirzepatide and Acylated Peptides: Spontaneous Phase Separation, Emulsification, Coacervation and Product Stability	\$0	\$0	\$165,625
35	2020-11-14-15	University of Delaware	Metal Catalyzed Methods for the Preparation of Organosilanes and Related Molecules	\$564,035	\$0	\$0
36	2020-11-14-16	University of Delaware	Ultracompact Spectrometers for Infrared Wavelengths	\$324,058	\$0	\$0
37	2020-11-14-17	University of Delaware	Jewish Family Services 1 PADE 20/21 Partner Organization	\$0	\$0	\$17,000
38	2020-11-14-18	University of Delaware	Jewish Family Services 2 PADE 20/21 Partner Organization	\$0	\$0	\$17,000
39	2020-11-14-19	University of Delaware	Jewish Family Services 3 PADE 20/21 Partner Organization	\$0	\$0	\$17,000
40	2020-11-14-20	University of Delaware	Jewish Family Services 4 PADE 20/21 Partner Organization	\$0	\$0	\$17,000
41	2020-11-14-21	University of Delaware	Host Proteins that Interact with the BCG Cell Envelope	\$0	\$0	\$86,316
42	2020-11-14-22	University of Delaware	Upward Bound Program	\$333,494	\$0	\$0
43	2020-11-14-23	University of Delaware	Upward Bound Math & Science Year 4	\$313,780	\$0	\$0
44	2020-11-14-24	University of Delaware	Habitat for Humanity New Castle County PADE 20/21 Partner Organization	\$0	\$0	\$16,000
45	2020-11-14-25	University of Delaware	Habitat for Humanity New Castle County 2 PADE 20/21 Partner Organization	\$0	\$0	\$16,000
46	2020-11-14-26	University of Delaware	New Etching Methodologies for Atomic Level Precision in Manufacturing Processes from Micro to Nanoscales	\$357,589	\$0	\$0
47	2020-11-14-27	University of Delaware	Mechanistic Study of Photodegradation of Organic Compounds by Linker and Sensitizer Functionalized Metal/Oxide Colloids	\$328,521	\$0	\$0
48	2020-11-14-28	University of Delaware	Developing a Cell-Based High Throughput Screening for USP15 Deubiquitinase Inhibitor Discovery	\$275,000	\$0	\$0
49	2020-11-14-29	University of Delaware	Motor Learning In Mild Cognitive Impairment	\$250,000	\$0	\$0
50	2020-11-14-30	University of Delaware	Adapting a new Educational Exergame to Support Healthy Aging: Exploratory Examination Of Knowledge, Lifestyle Behaviors, Engagement, and Cognitive Functioning	\$275,000	\$0	\$0
51	2020-11-14-31	University of Delaware	Demonstrate Forming of Complex Aerospace Component	\$131,620	\$0	\$0
52	2020-11-14-32	University of Delaware	The Ratcliffe Eco-Entrepreneurship Fellows Program at UD	\$0	\$0	\$745,000
53	2020-11-14-33	University of Delaware	Sustainable Preparation of Advanced Titanium Materials Using Electrochemically-Active Templates	\$0	\$0	\$90,000

54	2020-11-14-34	University of Delaware	Administrative Supplement to Discovery of Chemical Probes and Therapeutic Leads	\$250,000	\$0	\$0
55	2020-11-14-35	University of Delaware	FCC NDBEDP National Deaf-Blind Equipment Distribution Program	\$62,925	\$0	\$0
56	2020-11-14-36	University of Delaware	SUPP - Mineral-Fluid Interactions: Synchrotron Radiation Studies at the Advanced Photon Source	\$0	\$0	\$66,111
57	2020-11-14-37	University of Delaware	Racial Disparities in Age-Related Trajectories of Discrimination and Blood Pressure Over the Life Course	\$124,048	\$0	\$0
58	2020-11-14-38	University of Delaware	Delaware INBRE: Alzheimer's-Focused Administrative Supplement	\$249,966	\$0	\$0
59	2020-11-14-39	University of Delaware	Developing Blood-Based Biomarkers for Parkinson's Disease	\$305,363	\$0	\$0
60	2020-11-14-40	University of Delaware	Elucidating the Mechanisms of Biological Machines Through the Computational Microscope	\$0	\$0	\$150,000
61	2020-11-14-41	University of Delaware	A Novel Eulerian Two-phase Numerical Simulation Tool for Scour Burial of Munitions	\$455,889	\$0	\$0
62	2020-11-14-42	University of Delaware	Farm and Ranch Stress Assistance Network	\$0	\$0	\$44,309
63	2020-11-14-43	University of Delaware	Rape Prevention and Education Program	\$0	\$0	\$13,393
64	2020-11-14-44	University of Delaware	Aquaponics in the Classroom to Promote Awareness, Support and Profitability of Sustainable Aquaculture in the Northeast	\$0	\$0	\$22,585
65	2020-11-14-45	University of Delaware	Carbon Monitoring System Across Mexico: Continued Development and Application at the National Scale	\$601,841	\$0	\$0
66	2020-11-14-46	University of Delaware	2021 Proposal for Special Initiative on Offshore Wind	\$0	\$0	\$454,545
67	2020-11-14-47	University of Delaware	Electrocatalytic Nitrogen Oxides Reduction on Metal Surfaces	\$281,250	\$0	\$0
68	2020-11-14-48	University of Delaware	Stuck in the Past? How Prior Investments in Status Quo Programs Prevent Schools from Adopting Evidence-Based Alternatives	\$0	\$0	\$11,319
69	2020-11-14-49	University of Delaware	Low-Cost and High Efficiency CMOS Compatible Gan High Electron Mobility Transistor Technology for 5G and Beyond Wireless Communications	\$0	\$0	\$150,000
70	2020-11-14-50	University of Delaware	Sustainable Cellulosic Base Oils	\$0	\$0	\$37,500
71	2020-11-14-51	University of Delaware	Recognition & Comprehension of Code-Switched Utterances	\$0	\$0	\$19,050
72	2020-11-14-52	University of Delaware	Collaborative Research: Importance of the Subtropical Gyre and North Atlantic Current in Interglacial Warmth	\$125,923	\$0	\$0
73	2020-11-14-53	University of Delaware	PD20P-004 Development and Delivery of Pesticide Exposure Reduction and Sprayer Calibration Training	\$0	\$0	\$81,900
74	2020-11-14-54	University of Delaware	Chaff Lining - It Works in Australia, but What About the Northeast US	\$0	\$0	\$218,496
75	2020-11-14-55	University of Delaware	Sex-Based Muscular Adaptations, Capillary Dysfunction and Functional Decline Impact Knee-Related Psychosocial Outcomes After Acute Knee Injury (SMACK)	\$0	\$0	\$78,465
76	2020-11-14-56	University of Delaware	Reclaim the Value of The End-Of-Use Cotton Apparel: Product Development from Cotton Waste	\$0	\$0	\$59,328
77	2020-11-14-57	University of Delaware	Continuity Supplement Proposal	\$48,689	\$0	\$0
78	2020-11-14-58	University of Delaware	Investigating the Role of the Microbiome in Ovarian Cancer Initiation	\$100,000	\$0	\$0
79	2020-11-14-59	University of Delaware	Spatiotemporal Control of Cellular Fate by Micromotors	\$275,000	\$0	\$0
80	2020-11-14-60	University of Delaware	Information Topology and Statistical Metrics for Autonomous Networking	\$390,288	\$0	\$0
81	2020-11-14-61	University of Delaware	Commercialization Acceleration Network; EDA Lab-to-Market (L2M) Competition Submission Visionary Category	\$25,000	\$0	\$0
82	2020-11-14-62	University of Delaware	Decomposition of Organic Sediment Determines Elevation and Export of Organic Carbon in Salt Marshes.	\$0	\$0	\$110,000

83	2020-11-14-63	University of Delaware	Enhancing GaN-on-Si High Electron Mobility Transistor Performance for RF Applications	\$391,382	\$0	\$0
84	2020-11-14-64	University of Delaware	TRTech-PGR: Extra-Chromosomal Circular DNA (eccDNA) as a Vehicle for Complex Trait Engineering	\$0	\$0	\$325,023
85	2020-11-14-65	University of Delaware	Microrobotic Production of Tunable Hydrogel-Based Arrays for Directing Cell Differentiation	\$275,002	\$0	\$0
86	2020-11-14-66	University of Delaware	Engineering a Life-Size Breathing Lung Model	\$0	\$0	\$150,000
87	2020-11-14-67	University of Delaware	CMI 19009: The Cost of Doing Politics: Gender Aspects of Political Violence	\$0	\$0	\$16,500
88	2020-11-14-68	University of Delaware	Particle Aggregation and Breakup: Clogging in Shear Flow Around Asymmetric Junctions	\$0	\$0	\$110,000
89	2020-11-14-69	University of Delaware	Dual School PADE 20/21 Partner Organization	\$0	\$0	\$12,500
90	2020-11-14-70	University of Delaware	Macrophyte-Induced Calcium Carbonate Formation and its Role in Ecosystem-Scale PH Buffering	\$270,462	\$0	\$0
91	2020-11-14-71	University of Delaware	Neural Sensitivity to Social Evaluation and Daily Online and In-Person Social Experience with Peers: Predicting Fluctuations in Suicidality, Self-Harm, and Depressive Symptoms in Adolescent Girls	\$0	\$0	\$97,278
92	2020-11-14-72	University of Delaware	Engineering Dynamic, Heterogeneous in Vitro Extracellular Matrices to Model Progressive Desmoplasia and Early-Stage Invasion in Pancreatic Ductal Adenocarcinoma	\$0	\$0	\$84,231
93	2020-11-14-73	University of Delaware	Innovative Fiber-Aligned Thick Electrode Manufacturing Technology for Advanced Lithium Ion Batteries	\$0	\$0	\$30,938
94	2020-11-14-74	University of Delaware	Post-Polymerization Synthesis of Conjugated Polymers from Poly (phenylene sulfides) Using Dual CH Activation	\$0	\$0	\$109,999
95	2020-11-14-75	University of Delaware	PTFE Dry Battery Cathode Binder	\$0	\$0	\$116,764
96	2020-11-14-76	University of Delaware	Dual School 2 PADE 20/21 Partner Organization	\$0	\$0	\$12,500
97	2020-11-14-77	University of Delaware	Education, Health, & Research International -We Care OAA TITLE III	\$0	\$0	\$53,303
98	2020-11-14-78	University of Delaware	Developing a Novel Method to Sanitize Fresh Produce and Disinfect Wash Water Using Micronanobubbles	\$0	\$0	\$10,246
99	2020-11-14-79	University of Delaware	Collaborative Research: Linking Brace Root Development and Function in Maize	\$324,962	\$0	\$0
100	2020-11-14-80	University of Delaware	Collaborative Research: Frameworks: CyberInfrastructure for Data on Information Requests and Responses	\$689,788	\$0	\$0
101	2020-11-14-81	University of Delaware	Black Lives Matter in Action: Centering Blackness in English Education	\$0	\$0	\$2,250
102	2020-11-14-82	University of Delaware	IR Powered and Hermetically-Sealed Single-Unit Neural Recording Wireless Motes for Large Scale Implantation into Nonhuman Primate Cortex	\$0	\$0	\$347,470
103	2020-11-14-83	University of Delaware	Identifying the Status Gulf Sturgeon in the Department of the Navy Panama City OPAREA	\$0	\$0	\$147,471
104	2020-11-14-84	University of Delaware	Collaborative Research: A Robust Causality Measure for Testing Individual Variability in Neural Signal Propagation	\$0	\$0	\$42,587
105	2020-11-14-85	University of Delaware	Moderating Support for Two Virtual FHWA Peer Exchanges	\$0	\$0	\$10,992
106	2020-11-14-86	University of Delaware	Evaluation of Manufacturing Methods for the Printing of Heater on PEEK Tubing	\$0	\$0	\$18,063
107	2020-11-14-87	University of Delaware	Lagrangian Metrics for the Identification and Prediction of Loop Current Eddy Shedding Events	\$0	\$0	\$55,897
108	2020-11-14-88	University of Delaware	Large-Scale Cope: Equity, Economic Prosperity, and Resilience to Hazards In Coastal Communities	\$12,077,082	\$0	\$0
109	2020-11-14-89	University of Delaware	Building an Inclusive Graduate Training Community at the Biology and Chemistry Interface	\$310,821	\$0	\$0
110	2020-11-14-90	University of Delaware	Collaborative Research: Elements: Sensory: Software Ecosystem for Knowledge Discovery - A Data-Driven Framework for Soil Moisture Applications	\$172,514	\$0	\$0

111	2020-11-14-91	University of Delaware	Building a Validation and Verification Suite for > OpenMP 4.5	\$72,605	\$0	\$0
112	2020-11-14-92	University of Delaware	VCAT BluePrints for the Community	\$0	\$0	\$118,726
113	2020-11-14-93	University of Delaware	Christiana Care Health Care Services Research Amendment 12	\$0	\$0	\$75,484
114	2020-11-14-94	University of Delaware	Updating the Willingness to Censor Scale	\$0	\$0	\$15,600
115	2020-11-14-95	University of Delaware	Understanding the Instructional Practices and Perceptions of Those Who Teach Sex Education to Individuals with Intellectual Disabilities	\$0	\$0	\$49,804
116	2020-11-14-96	University of Delaware	Correlation of Chronic Lower Extremity Pain, Physical Activity, and Fall Risk in Community-Dwelling Older Adults	\$0	\$0	\$24,711
117	2020-11-14-97	University of Delaware	Large-scale CoPe: REACCT - REsilient, Adaptable Communities Facing Coastal Threats Hub for Integrated Research and Engagement	\$12,011,655	\$0	\$0
118	2020-11-14-98	University of Delaware	Development of Coarse-Grained Models and Computational Approaches for Studying Structure in Solutions of Cellulose Derivatives	\$270,750	\$0	\$0
119	2020-11-14-99	University of Delaware	Collaborative Research: Elements: Cyberinfrastructure for Sustaining Digital Manufacturing Innovation	\$192,882	\$0	\$0
120	2020-11-15-01	University of Delaware	Collaborative Research: Frameworks: Extending the Capabilities and Impact of the Molecular Simulation Design Framework (MoSDeF) Emphasizing Reproducibility and Accessibility	\$277,713	\$0	\$0
121	2020-11-15-02	University of Delaware	NIIMBL Global Health Fund: Round 2	\$0	\$0	\$1,636,364
122	2020-11-15-03	University of Delaware	Collaborative Research: The Simpson Neutron Monitor Network	\$0	\$0	\$762,461
123	2020-11-15-04	University of Delaware	NAD+ Therapy for Improving Memory & Cerebrovascular Function in Patients with MCI	\$53,368	\$0	\$0
124	2020-11-15-05	University of Delaware	Identification of an Innate Activator of Intracellular Mg2+ Dynamics to Integrate Cellular Metabolism	\$0	\$0	\$93,750
125	2020-11-15-06	University of Delaware	EGFR Signaling in Osteoarthritis and Treatment	\$0	\$0	\$26,438
126	2020-11-15-07	University of Delaware	Examining the Implementation and Effectiveness of Healthy Default Beverages in Kids' Meals Policies In Advancing Equitable Access To Healthy Beverages	\$0	\$0	\$209,536
127	2020-11-15-08	University of Delaware	SARS-CoV-2 Wastewater-Based Epidemiology Research Agreement	\$0	\$0	\$69,400
128	2020-11-15-09	University of Delaware	Design, Synthesis, and Characterization of Cholesterol-Functionalized PEDOT	\$453,014	\$0	\$0
129	2020-11-15-10	University of Delaware	The Impact of Service-learning Based University Courses: Exploring the Effectiveness of Community-University Partnerships for Social Justice	\$0	\$0	\$11,775
130	2020-11-15-11	University of Delaware	Development of Fluorine NMR to Probe Pharmaceuticals and Proteins in Complex Chemical and Biological Environments	\$0	\$0	\$266,981
131	2020-11-15-12	University of Delaware	Collaborative Research: HCC: Medium: High-Performance and Provably Safe Multi-Modal Behaviors of Semi-Autonomous Systems using Human-in-the-Loop Interface	\$348,015	\$0	\$0
132	2020-11-15-13	University of Delaware	COATs: Collagen-Mimetic Peptide and Therapeutic Gene-Modified Collagens for Improved Chronic Wound Healing	\$0	\$0	\$95,000
133	2020-11-15-14	University of Delaware	University of Delaware's Research Training Program to Address Challenges in Rehabilitation in Ghana	\$1,141,556	\$0	\$0
134	2020-11-15-15	University of Delaware	Digitizing Documentation of the Lost and Disappearing Historic Architecture of the Mid-Atlantic	\$0	\$0	\$7,500
135	2020-11-15-16	University of Delaware	NSF IGE: An Innovative Graduate Program in Energy Systems	\$278,520	\$0	\$0
136	2020-11-15-17	University of Delaware	Community Education Building Wave Project PADE 20/21 Partner Organization	\$0	\$0	\$15,000
137	2020-11-15-18	University of Delaware	Shipboard Scientific Support Equipment CY2021 SWALLOW	\$104,290	\$0	\$0
138	2020-11-15-19	University of Delaware	Shipboard Scientific Support Equipment CY2021 DEERING	\$120,650	\$0	\$0
139	2020-11-15-20	University of Delaware	Enhancement of the OncoMX Knowledgebase to Develop a Comprehensive Cancer Biomarker-Centric Resource	\$0	\$0	\$414,494

140	2020-11-15-21	University of Delaware	Development and Feasibility Study of FITI (Family & Individuals Transition Intervention): An Online Psychoeducation Program for Families and Transitioning-Age Youth (TAY) with Autism	\$0	\$0	\$27,398
141	2020-11-15-22	University of Delaware	Strength Improvement of Materials Used in and Scale-Up of Fused Filament Fabrication 3D Printing	\$36,674	\$0	\$0
142	2020-11-15-23	University of Delaware	Neurobiology of Reading Compensation	\$100,000	\$0	\$0
143	2020-11-15-24	University of Delaware	Testing a Dual Mechanism Model of Adolescent Anxiety Development & Related Sex Differences	\$2,367,633	\$0	\$0
144	2020-11-15-25	University of Delaware	Processing Speech in Noise: What Eye-Gaze and Brain Responses Can Tell Us About the Relation Between the Listening Environment and Language Outcomes in Bilingual Infants Living in Poverty.	\$280,320	\$0	\$0

Posted 11/13/20

Delaware State Clearinghouse Committee
November Agenda
Meeting to be Held via WebEx
WebEx Meeting Information/Instructions Attached
December 15, 2020 @ 10:00am

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
<u>New Business*</u>									
1	DOS Switch Fund	Department of State, Administration	Switch Fund Requests BP 3486 & BP 3505 from 2.0 GF FTE to 2.0 ASF FTE	\$0	\$0	\$0	0.00	2.00	0.00
2	4741	Department of State, Veterans Home	Veterans Home Provider Relief Fund - CARES Act COVID-19	\$129,586	\$0	\$0	0.00	0.00	0.00
3	2020-10-16-01	Department of Safety and Homeland Security, Division of Alcohol and Tobacco Enforcement	Highmark Blue Cross Blue Shield BluePrints for the Community	\$0	\$0	\$140,000	0.00	0.00	0.00
4	4716	Department of Labor, Employment and Training, Employment and Training Services	Dislocated Worker Employment Recovery Program - CARES Act COVID-19	\$1,341,690	\$0	\$0	0.00	0.00	0.00
<u>Continued</u>									
1	4720	Executive, Criminal Justice, Criminal Justice Council	Title II Formula Block Grant	\$427,205	\$42,720	\$0	0.47	0.47	0.00
2	4732	Executive, Criminal Justice, Criminal Justice Council	Children's Justice Act Grant	\$89,013	\$0	\$0	0.00	0.00	0.00
3	2020-10-06-01	Executive, Delaware State Housing Authority	Mainstream Voucher Program	\$686,952	\$0	\$0	0.00	0.00	0.00
4	4685	Legal, Department of Justice	High Intensity Drug Trafficking Areas Program	\$136,392	\$0	\$0	0.00	0.00	0.00
5	4725	Department of State, Regulation and Licensing, Public Service Commission	Pipeline Safety One Call	\$9,398	\$0	\$0	0.00	0.00	0.00
6	4730	Department of State, Office of the Secretary, Administration	State Trade Expansion Program	\$50,000	\$16,667	\$0	0.00	0.00	0.00
7	4722	Department of Health and Social Services, Public Health, Community Health	Milk and Shellfish Grant Program	\$4,255	\$0	\$0	0.00	0.00	0.00
8	4727	Department of Health and Social Services, Public Health, Community Health	Water System Supervision	\$569,000	\$351,060	\$0	7.50	5.85	0.00
9	4702	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Environmental Protection Agency Multipurpose Grant	\$100,563	\$0	\$0	0.00	0.00	0.00
10	4731	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 154 Sanction Grant	\$1,223,196	\$0	\$0	0.00	0.00	0.00
11	4712	Department of Labor, Employment and Training, Employment and Training Services	Apprenticeship USA State Expansion Grant	\$450,000	\$0	\$0	0.35	0.00	0.00
12	4729	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey-Infrastructure	\$72,069	\$0	\$0	0.83	0.00	0.00
13	4733	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey	\$29,580	\$0	\$0	0.12	0.00	0.00
14	4734	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest- Fire Ant Survey	\$9,400	\$0	\$0	0.05	0.00	0.00
15	4717	Department of Education, Office of Early Learning	Head Start Collaboration	\$125,000	\$41,316	\$0	0.75	0.00	0.00
<u>Higher Education</u>									
1	2020-12-05-01	Delaware State University	Evaluation of Natural Astaxanthin Produced by Microalgae as a Potential Pigment Source for Atlantic Salmon (Salmo Salar) Feed	\$19,860	\$0	\$0			

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

2	2020-12-05-02	Delaware State University	Quit & Get Fit	\$14,997	\$0	\$0
3	2020-12-05-03	Delaware State University	Establishment of the Center of Excellence for Nutrition, Health, Wellness and Quality of Life.	\$1,799,981	\$0	\$0
4	2020-12-05-04	Delaware State University	A Preliminary Investigation of a Sleep Risk Profile: The Role of Hyperarousal	\$39,423	\$0	\$0
5	2020-12-05-06	Delaware State University	TiO2/Metal Oxide@Metal-Organic Framework (TiO2/MO@MOF) Composites: Solvent-Free Synthesis and Enhanced Photocatalytic Hydrogen Evolution	\$454,246	\$0	\$0
6	2020-12-05-07	Delaware State University	Neuroscience Approach to Explore the Relations Between Argument-Based STEM Practices and African American Undergraduate Students	\$336,510	\$0	\$0
7	2020-12-05-08	Delaware State University	Targeted Infusion Project: Undergraduate Neuroscience Education to Engage Diverse Students in STEM and Prepare Them for Graduate School and STEM Careers	\$399,966	\$0	\$0
8	2020-12-05-09	Delaware State University	Mid-Atlantic Climate Change Hub for Green Growth in Energy, Ecosystems, and Society	\$300,765	\$0	\$0
9	2020-12-12-01	University of Delaware	The Effects of Wintering Ground Habitat Use and Availability on Bioenergetic Carrying Capacity and Carryover Effects for Breeding Success	\$129,876	\$0	\$0
10	2020-12-12-02	University of Delaware	Geometric Analysis of Convex Sets: New Dimensions	\$286,961	\$0	\$0
11	2020-12-12-03	University of Delaware	Collagen-Mediated Approaches to Improve the Local Delivery and Hypothermic Release of Osteoarthritis Therapeutics	\$1,740,219	\$0	\$0
12	2020-12-12-04	University of Delaware	Mental Health Association in Delaware 2 PADE 20/21 Partner Organization	\$0	\$0	\$16,500
13	2020-12-12-05	University of Delaware	Quantifying Short and Long Term Adverse Effects of Radiofrequency Ablation for Facet Joint Pain	\$0	\$0	\$385,900
14	2020-12-12-06	University of Delaware	Mechanisms of Central Sodium Sensing and Salt-Sensitive Hypertension	\$0	\$0	\$134,236
15	2020-12-12-07	University of Delaware	The Heart and Brain Connection in Chronic Kidney Disease	\$0	\$0	\$140,752
16	2020-12-12-08	University of Delaware	Workforce Development and Job Training Pilot	\$0	\$0	\$56,084
17	2020-12-12-09	University of Delaware	Quantifying Durability of Repeated-Recycled Asphalt Mixtures	\$0	\$0	\$64,952
18	2020-12-12-10	University of Delaware	Impacts of Climate Change on Service Life Design for Concrete Bridge Decks	\$0	\$0	\$58,650
19	2020-12-12-11	University of Delaware	Integrated Photonic Accelerators for Space Communication and Remote Sensing	\$320,000	\$0	\$0
20	2020-12-12-12	University of Delaware	Supplement - Side-Scan Sonar Object Detection Project	\$0	\$0	\$7,625
21	2020-12-12-13	University of Delaware	Electrosynthesis of Designer Metal-Organic Framework	\$412,764	\$0	\$0
22	2020-12-12-14	University of Delaware	Quantum Many Particle Phenomena in Bilayer Two Dimensional Systems	\$204,440	\$0	\$0
23	2020-12-12-15	University of Delaware	Collaborative Research: New Models of Stellar Evolution to Understand the Past, Present & Future of Magnetic Massive Stars	\$355,918	\$0	\$0
24	2020-12-12-16	University of Delaware	Studies of Curriculum Efficacy and Enactment	\$0	\$0	\$299,414
25	2020-12-12-17	University of Delaware	DISES: Groundwater Sustainability in a Changing Climate: Coupled Hydrologic and Socioeconomic Dynamics in Irrigated Agricultural Landscapes	\$0	\$0	\$174,263
26	2020-12-12-18	University of Delaware	Social Equity Accounting Across the Asset Management Lifecycle Under Alternative Delivery Approaches: A Framework for Assessment	\$0	\$0	\$44,021
27	2020-12-12-19	University of Delaware	Strategic Prioritization and Planning of Transp. Infrastructure Maintenance, Rehabilitation, and Improvements Incorporating Continuously Sensed Data - Phase 2	\$0	\$0	\$39,887
28	2020-12-12-20	University of Delaware	Mitigating Cracking in Ultra-High Performance Concrete (UHPC) Bridge Connections	\$0	\$0	\$71,660

29	2020-12-12-21	University of Delaware	Collaborative Research: Disaster-Related Buying Behaviors: Triggers, Impacts, and Interventions	\$0	\$0	\$78,534
30	2020-12-12-22	University of Delaware	The Impact of a Modified Car Intervention on Development, Design and Brain Function	\$2,494,265	\$0	\$0
31	2020-12-12-23	University of Delaware	Integrating Entrepreneurship in Layered URG Education, Research, and Mentorship Experiences	\$0	\$0	\$30,000
32	2020-12-12-24	University of Delaware	Center for Smart Sensing Technologies for the Environment	\$0	\$0	\$29,802
33	2020-12-12-25	University of Delaware	Understanding How Elementary Teachers Take Up Discussion Practices to promote Disciplinary Learning and Equity.	\$0	\$0	\$1,443,097
34	2020-12-12-26	University of Delaware	Collaborative Research: SHF: Medium: EMMAS: Event-Driven Machine Learning Memory Architecture & System	\$391,391	\$0	\$0
35	2020-12-12-27	University of Delaware	DISES: Socio-Environmental Implications of Smallholder Farmer Responses to Climate Shocks	\$356,752	\$0	\$0
36	2020-12-12-28	University of Delaware	FY2021 Pesticide Safety Education	\$0	\$0	\$14,737
37	2020-12-12-29	University of Delaware	FY 2020-21 Base Increase	\$159,031	\$0	\$0
38	2020-12-12-30	University of Delaware	Biochar Amendment to Highway Greenways in Maryland Phase II	\$0	\$0	\$25,923
39	2020-12-12-31	University of Delaware	Synthesis of Glycolic Acid Using Nafion Based Solid-Acids	\$0	\$0	\$90,909
40	2020-12-12-32	University of Delaware	Early Academic Achievement and Intervention Response: Role of Executive Function	\$0	\$0	\$1,721
41	2020-12-12-33	University of Delaware	Transforming Community Engagement on Managed Retreat	\$0	\$0	\$40,596
42	2020-12-12-34	University of Delaware	Elais: Oil Crop Selection Services	\$45,000	\$0	\$0
43	2020-12-12-35	University of Delaware	Development of Isotope Proxies for Understanding the Mechanism of Biotic and Abiotic Degradation of Glyphosate and Discriminating Degradation Products	\$321,626	\$0	\$0
44	2020-12-12-36	University of Delaware	Synthesis of Coordination Cage-Based Porous Liquids	\$315,762	\$0	\$0
45	2020-12-12-37	University of Delaware	DISES: A Multi-City Urban Observatory Network (MUON) for the Comparative Study of Complex Urban Socio-Environmental Systems	\$1,299,950	\$0	\$0
46	2020-12-12-38	University of Delaware	Delaware 4-H Military Partnership Grant	\$0	\$0	\$6,700
47	2020-12-12-39	University of Delaware	Jewish Family Services 5 PADE 20/21 Partner Organization	\$0	\$0	\$17,000
48	2020-12-12-40	University of Delaware	Improving K Fertilizer Recommendations for Corn on the Delmarva Peninsula (DE)	\$0	\$0	\$4,978
49	2020-12-12-41	University of Delaware	Attachment A - Year 3 - Investigations of Hydrocarbon Reservoirs Through Metagenomics and Biological Methane Oxidation	\$0	\$0	\$160,257
50	2020-12-12-42	University of Delaware	The Role of Resources in Environmental Displacement and Migration	\$0	\$0	\$54,875
51	2020-12-12-43	University of Delaware	Search for New Physics Beyond the Standard Model Through Precision Isotope Shift Measurements	\$0	\$0	\$279,460
52	2020-12-12-44	University of Delaware	5-Year Sussex County Research Programs at Carvel	\$0	\$0	\$109,049
53	2020-12-12-45	University of Delaware	Collaborative Research: Inclusion, Intersectionality, and Legal Consciousness in Law-Like University Practices	\$99,418	\$0	\$0
54	2020-12-12-46	University of Delaware	Relaxation, Intermittency and Dissipation in Collisionless Plasma	\$361,667	\$0	\$0
55	2020-12-12-47	University of Delaware	Hydrogel-Based Antifibrotic Therapy for Vocal Fold Scarring	\$275,002	\$0	\$0

56	2020-12-12-48	University of Delaware	William Penn Foundation ABC Dissemination Training 2021	\$0	\$0	\$651,662
57	2020-12-12-49	University of Delaware	Historic Racial Oppression, Contemporary School Punishment, and Continuing Inequality	\$0	\$0	\$200,000
58	2020-12-12-50	University of Delaware	SARS-COV-2 Sewage Surveillance	\$0	\$0	\$5,000
59	2020-12-12-51	University of Delaware	Acute Effects of Added Sugar Intake on Cerebrovascular Function	\$0	\$0	\$63,040
60	2020-12-12-52	University of Delaware	Autonomic Function in Women Across the Menopausal Transition	\$0	\$0	\$63,040
61	2020-12-12-53	University of Delaware	Impact of COVID-19 on the Travel Industry	\$0	\$0	\$46,722
62	2020-12-12-54	University of Delaware	Dispersed Leviathan: Mapping the Terrains and Tools of Contemporary Struggles	\$0	\$0	\$199,654
63	2020-12-12-55	University of Delaware	Identifying Chrono-Behavioral Characteristics of Subclinical Cardiovascular Disease in Young Adults	\$0	\$0	\$134,236
64	2020-12-12-56	University of Delaware	DCCURES: Deriving Cures from Cancer to Utilize in HIV Reservoir Eradication Strategies	\$0	\$0	\$574,995
65	2020-12-12-57	University of Delaware	Ronald E. McNair Post-Baccalaureate Achievement	\$247,674	\$0	\$0
66	2020-12-12-58	University of Delaware	Practical and Cognitive Resources Among Assistant Principals: An Investigation Into APs' Psychological Needs Satisfaction, Self-Perception, and Promotion Outcomes	\$0	\$0	\$70,000
67	2020-12-12-59	University of Delaware	Detecting and Studying Light Echoes in the Era of Rubin and Artificial Intelligence	\$403,471	\$0	\$0
68	2020-12-12-60	University of Delaware	Topological Identification and Analysis of Cyclic Features in Neural Population Coding	\$352,215	\$0	\$0
69	2020-12-12-61	University of Delaware	2021 DOS ECA Excellence in Chinese Language and Culture NSLI-Y	\$0	\$0	\$276,775
70	2020-12-12-62	University of Delaware	Are Rest-Activity Rhythms a Mechanism for COPD Progression and Cardiovascular Comorbidities in Black/African American Smokers?	\$136,671	\$0	\$0
71	2020-12-12-63	University of Delaware	Strengthening Health, Resilience & Farm Vitality	\$0	\$0	\$10,000
72	2020-12-12-64	University of Delaware	Changes in Air Quality, Human Mobility, and Energy Use in the U.S. During the COVID-19 Pandemic: A Nature-Driven Experiment	\$133,924	\$0	\$0
73	2020-12-12-65	University of Delaware	Continuous Glucose Monitoring	\$0	\$0	\$136,920
74	2020-12-12-66	University of Delaware	Advanced Surface Analytics and Photochemistry Fundamentals for Ti-Pure Systems	\$0	\$0	\$95,529
75	2020-12-12-67	University of Delaware	LIFE: Life Identification by Fluorescence and Electrophoresis	\$590,837	\$0	\$0
76	2020-12-12-68	University of Delaware	Classical and Semi-Classical Molecular Dynamics in Ultra Strong Laser Fields: Essential Training for the STEM Pipeline During COVID	\$193,300	\$0	\$0
77	2020-12-12-69	University of Delaware	CPS: TTP Option: Frontier: Transformation of Urban Earthquake Response Into a Cyber-Physical System	\$0	\$0	\$188,956
78	2020-12-12-70	University of Delaware	Geologic Map of the Frederica and Bennett's Pier Quadrangles, Delaware	\$189,795	\$0	\$0
79	2020-12-12-71	University of Delaware	Lewes National Register Historic District Update Survey Phase VII	\$0	\$0	\$3,626
80	2020-12-12-72	University of Delaware	Acquisition of Goods and Services	\$4,545	\$0	\$0
81	2020-12-12-73	University of Delaware	Advanced 3D Printing Technology for Manufacturing Extreme Fast Charging and Energy Dense Lithium Ion Battery	\$0	\$0	\$65,295
82	2020-12-12-74	University of Delaware	New Castle County FY21 NR/TBS	\$0	\$0	\$10,507

83	2020-12-12-75	University of Delaware	WoU-MMA: Achieving Unprecedented Measurement Accuracy by a New Radio-Muon Method for Multi-Messenger Particle Astrophysics	\$376,770	\$0	\$0
84	2020-12-12-76	University of Delaware	BI: LITE-MAR: A Light-Integration Institute for Training and Education in Marine Animal Research	\$0	\$0	\$655,436
85	2020-12-12-77	University of Delaware	Increased Dietary Fructose Unmasks Salt Sensitive Blood Pressure in Young Healthy Adults	\$0	\$0	\$63,040
86	2020-12-12-78	University of Delaware	ABC Dissemination Training for IDS	\$0	\$0	\$625,854
87	2020-12-12-79	University of Delaware	Human Influences on Carbon Transport and Transformation Along the Land-Ocean Continuum: A Case Study of the Mid-Atlantic Coastal Region	\$0	\$0	\$94,960
88	2020-12-12-80	University of Delaware	Spatio-Temporal Assessment of Air-Sea CO2 Flux by Integrating Satellite Observations and Neural Network Models	\$345,766	\$0	\$0
89	2020-12-12-81	University of Delaware	High Temperature GaN Power Amplifiers for Venus Exploration Applications	\$386,076	\$0	\$0
90	2020-12-12-82	University of Delaware	An Evaluation of a Changing Arctic Landcover on Arctic Geese Habitat	\$102,639	\$0	\$0
91	2020-12-12-83	University of Delaware	IMAP Phase E/F Science Investigations	\$0	\$0	\$203,672
92	2020-12-12-84	University of Delaware	Collaborative Research: IUSE: EHR Expanding Subgoal Labels for Imperative Programming to Further Improve Student Learning Outcomes	\$0	\$0	\$39,218
93	2020-12-12-85	University of Delaware	AI Institute: AI-Enabled Cyberization for Dynamic Manufacturing Systems (AI-DynaMan)	\$0	\$0	\$390,211
94	2020-12-12-86	University of Delaware	SHF:Medium:Collaborative Research:Fine-Grain Multithreading Through Hardware/Software Co-Design	\$33,389	\$0	\$0
95	2020-12-12-87	University of Delaware	Millimeter-Wave Modulators for Sparse Aperture Imagers	\$0	\$0	\$237,638
96	2020-12-12-88	University of Delaware	An Evaluation of Turning Around North Carolina's Lowest Performing Schools: A State Partnership Evaluation	\$557,101	\$0	\$0
97	2020-12-12-89	University of Delaware	Can We Modify Gait Asymmetry After ACL Reconstruction?	\$133,005	\$0	\$0
98	2020-12-12-90	University of Delaware	Uniting All Americans to Ensure Wildlife Thrive in a Rapidly Changing World	\$0	\$0	\$10,000
99	2020-12-12-91	University of Delaware	Improving Longitudinal Coadaptation of Multi-Human/Multi-Agent Teams in Response to Internal and External Signals	\$62,482	\$0	\$0
100	2020-12-12-92	University of Delaware	Global Respiration Comparison (Rescom): Satellite Constrained Top-Down Estimates, Soil Derived Bottom-Up Estimates, and Model Simulations	\$0	\$0	\$201,024
101	2020-12-12-93	University of Delaware	AI Institute: Creating Resilient and Sustainable Food Production Systems in the Mid-Atlantic Through Real-Time, Data-Driven Decision Making (AI-MAR)	\$0	\$0	\$445,173
102	2020-12-12-94	University of Delaware	Collaborative Research: CIF: Small: Multidimensional Robust Remaindering Theory and Applications	\$164,995	\$0	\$0
103	2020-12-12-95	University of Delaware	Studies in Cosmology and Particle Astrophysics: Dark Matter, Gravity Waves, Inflation, and Hubble Tension	\$317,211	\$0	\$0
104	2020-12-12-96	University of Delaware	Catalyst Testing	\$0	\$0	\$40,294
105	2020-12-12-97	University of Delaware	LEARN: Mentored Collaborative Opportunities Component	\$0	\$0	\$9,375
106	2020-12-12-98	University of Delaware	Autonomic Function in Women Across the Menopausal Transition	\$133,005	\$0	\$0
107	2020-12-12-99	University of Delaware	Assessing Time Mean and Seasonal Variability of Ocean Salinity Fields Derived from Global Observations and Climate Models	\$341,562	\$0	\$0
108	2020-12-13-01	University of Delaware	Coordinating Early Childhood Education Coaching Services: A Research-Practice Partnership in Los Angeles County to Align Quality Improvement Efforts	\$0	\$0	\$57,891
109	2020-12-13-02	University of Delaware	Supplement to Development of Stable Fluorinated Anion Exchange Membrane	\$0	\$0	\$55,394

110	2020-12-13-03	University of Delaware	A Large Constellation of Spacecraft for Mapping the 3D Magnetic Structure of the Solar Wind	\$98,467	\$0	\$0
111	2020-12-13-04	University of Delaware	Neural Net Learning for Graph Data	\$94,660	\$0	\$0
112	2020-12-13-05	University of Delaware	Eulerian-Lagrangian Runge-Kutta Discontinuous Galerkin Methods for Nonlinear Kinetics and Fluid Methods	\$198,524	\$0	\$0
113	2020-12-13-06	University of Delaware	Collaborative Research: Synthetic Methane Fixation Cascades Based on Engineered Membrane Vesicles for Biofuel Cell Applications	\$125,516	\$0	\$0
114	2020-12-13-07	University of Delaware	Polynomial Bubble Enriched Finite Elements	\$103,006	\$0	\$0
115	2020-12-13-08	University of Delaware	NSF Collaborative Research: Numerical Methods for Optimal Transport Via Fluid Flow	\$57,048	\$0	\$0
116	2020-12-13-09	University of Delaware	University of Delaware Proof of Concept Program	\$563,910	\$0	\$0
117	2020-12-13-10	University of Delaware	AI Institute: ICICLE: Intelligent CyberInfrastructure With Computational Learning in the Environment	\$0	\$0	\$296,823

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