

Delaware State Clearinghouse Committee
January Agenda
January 28, 2019

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
New Business*									
1	3913	Executive, Criminal Justice, Criminal Justice Council	Project Safe Neighborhoods	\$146,444	\$0	\$0	0.05	0.00	0.00
2	3922	Executive, Criminal Justice, Criminal Justice Council	Second Chance Act - Statewide Recidivism Reduction Implementation	\$509,471	\$509,471	\$0	0.06	0.00	0.00
3	3896	Department of Health and Social Services, Public Health, Community Health	Water System Supervision	\$548,000	\$396,073	\$0	8.00	6.85	0.00
4	3894	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Management of the Knobbed Whelk Stock of Delaware Bay	\$45,156	\$15,054	\$0	0.04	0.00	0.00
5	3914	Department of Education	Preschool Development Grant	\$4,236,837	\$1,515,026	\$0	0.00	2.15	0.00
6	3593 Amendment	Department of Health and Social Services, Public Health, Community Health	Enhanced Surveillance Opioid Morbidity	\$0	\$0	\$0	0.00	1.00	0.00
7	3608 Amendment	Department of Health and Social Services, Public Health, Community Health	Prescription Drug Overdose Prevention for States	\$0	\$0	\$0	0.00	5.25	0.00
8	3690 Amendment	Department of Health and Social Services, Public Health, Community Health	Maternal Child Health	\$0	\$0	\$0	1.00	7.50	0.00
Continued									
9	3897	Executive, Office of Management and Budget, Food Distribution	Commodity Supplemental Food Program	\$172,335	\$0	\$0	0.00	0.00	0.00
10	3898	Executive, Office of Management and Budget, Food Distribution	State Administrative Expense Funds	\$133,288	\$0	\$0	0.60	0.00	0.00
11	3920	Executive, Criminal Justice, Criminal Justice Council	Residential Substance Abuse Treatment	\$169,551	\$56,517	\$0	0.15	0.07	0.00
12	3921	Executive, Criminal Justice, Criminal Justice Council	National Forensic Sciences Improvement Act - Coverdell	\$271,960	\$0	\$0	0.00	0.00	0.00
13	3856	Department of Health and Social Services, Public Health, Community Health	Women, Infants and Children Farmers' Market Nutrition Program	\$217,537	\$0	\$0	0.00	0.00	0.00
14	3857	Department of Health and Social Services, Public Health, Community Health	Women, Infants and Children Farmers' Market Nutrition Program	\$44,556	\$14,372	\$0	0.00	0.20	0.00
15	3891	Department of Health and Social Services, Medicaid and Medical Assistance	Improving Maternal and Infant Health Outcomes	\$100,000	\$0	\$0	0.00	0.00	0.00
16	3892	Department of Health and Social Services, Public Health, Community Health	First Responders- Comprehensive Addiction and Recovery Act	\$1,608,253	\$58,143	\$0	0.10	0.00	0.00
17	3893	Department of Health and Social Services, Public Health, Community Health	Sexual Violence Prevention and Education	\$1,290,865	\$0	\$0	0.00	0.00	0.00
18	3900	Department of Health and Social Services, Public Health, Community Health	Public Health Crisis Response	\$5,000,000	\$0	\$0	0.00	0.00	0.00
19	3901	Department of Health and Social Services, Public Health, Community Health	Tobacco Control and Prevention	\$2,052,552	\$0	\$0	5.00	0.00	0.00
20	3902	Department of Health and Social Services, Public Health, Community Health	Primary Care Services Resource Coordination and Development	\$791,800	\$0	\$0	1.50	0.00	0.00
21	3903	Department of Health and Social Services, Public Health, Community Health	Ryan White Care Act Title II	\$14,752,605	\$0	\$0	4.05	0.00	0.00
22	3909	Department of Health and Social Services, Public Health, Community Health	Personal Responsibility Education Program	\$250,000	\$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>

23	3912	Department of Health and Social Services, Public Health, Community Health	Behavioral Risk Factor Surveillance System	\$164,584	\$0	\$0	0.00	0.00	0.00
24	3387 Amendment	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Employment and Training - Reimbursement	\$61,684	\$61,684	\$0	0.00	0.00	0.00
25	3626 Amendment	Department of Health and Social Services, State Service Centers	Low-Income Home Energy Assistance Program	\$5,000,000	\$0	\$0	2.27	0.00	0.00
26	3911	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Anadromous Species Investigations	\$348,562	\$116,186	\$0	2.41	0.28	0.00
27	3917	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Structure Oriented Fish Assessment Program	\$98,235	\$32,745	\$0	0.05	0.20	0.00
28	3918	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Marine Development Program	\$1,181,250	\$368,750	\$25,000	1.40	0.05	0.00
29	3889	Department of Safety and Homeland Security, State Police, Training	Bulletproof Vest Partnership Program	\$137,587	\$137,586	\$0	0.00	0.00	0.00
30	3895	Department of Safety and Homeland Security, State Police, Executive	Domestic Cannabis Eradication	\$16,000	\$0	\$0	0.00	0.00	0.00
31	3916	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 154 Sanction Grant	\$1,190,688	\$0	\$0	0.00	0.00	0.00
32	3923	Department of Education	Head Start Collaboration	\$125,000	\$41,360	\$0	0.75	0.00	0.00

Higher Education

1	14-05-31-05 Amendment	HE/Delaware State University	Historically Black Graduate Institutions Program	\$844,372	\$0	\$0			
2	2018-12-06-01	HE/Delaware State University	Water Security in Delaware's Changing Coastal Environment (EPSCOR State)	\$0	\$1,066,753	\$0			
3	2018-12-06-02	HE/Delaware State University	Water Security in Delaware's Changing Coastal Environment (EPSCOR Federal)	\$4,704,622	\$0	\$0			
4	2018-12-06-03	HE/Delaware State University	Wilmington Community Court Needs Assessment	\$28,000	\$0	\$0			
5	2019-01-06-79	HE/Delaware State University	The 21st Century herbarium: bringing collections from the cabinets to the web	\$49,980	\$0	\$0			
6	2019-01-06-80	HE/Delaware State University	Cooperative Extension at 1890 Land Grant Institution - DSU	\$1,186,766	\$0	\$1,186,766			
7	2019-01-06-81	HE/Delaware State University	Interdisciplinary Health Equity Research (IHER) Center	\$16,516,483	\$0	\$2,026,139			
8	2019-01-06-82	HE/Delaware State University	Agricultural Research at 1890 Land Grant Institutions	\$1,248,434	\$0	\$1,248,434			
9	2019-01-06-83	HE/Delaware State University	Biochemical, molecular and ecophysiological responses due to environmental stresses in urban forest tree species	\$91,777	\$0	\$91,777			
10	2019-01-06-84	HE/Delaware State University	Expanded Food And Nutrition Education Program(EFNEP)	\$103,034	\$0	\$0			
11	2019-01-06-85	HE/Delaware State University	Assessing Air-quality in the State of Delaware	\$24,981	\$0	\$0			

12	2019-01-06-86	HE/Delaware State University	International Science and Technology Academy for Research Scholars (I-STARS) 2019	\$26,500	\$0	\$13,667
13	2019-01-05-01	HE/University of Delaware	Enabling Quantum Leap: Q-AMASE-i: Quantum-Coherent Testbeds to Accelerate Discovery of Novel Materials	\$0	\$0	\$480,771
14	2019-01-05-02	HE/University of Delaware	Collaborative Research: Bioresponsive Function in Self-Assembling Biomaterials	\$204,755	\$0	\$0
15	2019-01-05-03	HE/University of Delaware	Investigating Patient-Perceived Value of Physical Therapy for Knee Osteoarthritis	\$0	\$0	\$30,000
16	2019-01-05-04	HE/University of Delaware	Undergraduate Student Motivation in the Sustainability and Environmental Studies Fields: An Application of Self Determination Theory	\$0	\$0	\$50,000
17	2019-01-05-05	HE/University of Delaware	University of Massachusetts DE State Housing Authority HUD Meraux Fair Housing Choice	\$0	\$0	\$56,522
18	2019-01-05-06	HE/University of Delaware	Alice Dunbar-Nelson: A Vision for Wilmington	\$0	\$0	\$50,000
19	2019-01-05-07	HE/University of Delaware	Geometric Analysis of Convex Sets and Measures	\$258,417	\$0	\$0
20	2019-01-05-08	HE/University of Delaware	Center for Integrated Asset Management for Multi-Modal Transportation Infrastructure Systems (CIAMTIS) - UD Subaward	\$0	\$0	\$48,075
21	2019-01-05-09	HE/University of Delaware	Delaware Foundation for Science and Mathematics Education (DFSME)	\$0	\$0	\$631,344
22	2019-01-05-10	HE/University of Delaware	Substance Abuse & Mental Health Block Grant Evaluation Planning Contract	\$44,196	\$0	\$0
23	2019-01-05-11	HE/University of Delaware	iSPARC Membership Agreement	\$0	\$0	\$200,000
24	2019-01-05-12	HE/University of Delaware	Geometry by Example	\$0	\$0	\$236,234
25	2019-01-05-13	HE/University of Delaware	UMES/Delmarva Land Grant Institution Cooperative Research Seed Program - Using Numerical Model and Surface Drifters to Estimate Blue Crab Larval Recruitment	\$0	\$0	\$18,000
26	2019-01-05-14	HE/University of Delaware	CRCNS US-German Research Proposal: An Experimental-Computational Approach to the Integration of Subtasks with a Spinal Reflex Model of Locomotion	\$286,948	\$0	\$0
27	2019-01-05-15	HE/University of Delaware	Supplement to NSF Modular Autonomous Biosampler (MAB) Award	\$183,597	\$0	\$0
28	2019-01-05-16	HE/University of Delaware	III: Small: Breaking Out of Online Echo Chamber through Information Contextualization	\$335,548	\$0	\$0
29	2019-01-05-17	HE/University of Delaware	Networked Mobility-Enabled Detection of Weak Radiological Signatures	\$322,139	\$0	\$0
30	2019-01-05-18	HE/University of Delaware	Multifunctional Hydrogels as an Injectable Therapy for Vocal Fold Scarring	\$2,430,112	\$0	\$0

31	2019-01-05-19	HE/University of Delaware	Geological Map of the Bombay Hook and Little Creek Quadrangles, Delaware	\$182,998	\$0	\$0
32	2019-01-05-20	HE/University of Delaware	Electrically Tunable Soliton Generation on Hybrid Active Silicon Photonic Platform	\$596,262	\$0	\$0
33	2019-01-05-21	HE/University of Delaware	Discovery, Dissection and Exploitation of Arsenic and Cadmium Biology in Plants to Ensure Food Safety	\$0		\$249,524
34	2019-01-05-22	HE/University of Delaware	Strategies for Small Ruminant Production Risk Management	\$34,436	\$0	\$0
35	2019-01-05-23	HE/University of Delaware	Transient Shifts in Bioaerosols and their Volatile Emissions in Indoor Air after Hurricane Flooding	\$0	\$0	\$63,160
36	2019-01-05-24	HE/University of Delaware	From Watersheds into Classrooms: Using the NGSS to Develop Ambitious Earth Science Teaching in Preservice Elementary Teachers	\$295,373	\$0	\$0
37	2019-01-05-25	HE/University of Delaware	CNS Core: Small: Make Micro-Architecture's Life Easier; Regularity-Oriented Compiler Techniques	\$224,340	\$0	\$0
38	2019-01-05-26	HE/University of Delaware	New Models of Stellar Evolution to Understand the Past, Present & Future of Magnetic Massive Stars	\$354,905	\$0	\$0
39	2019-01-05-27	HE/University of Delaware	Integrative Approach to the Treatment of Lung Cancer	\$0	\$0	\$53,778
40	2019-01-05-28	HE/University of Delaware	Mapping Expedition at Bikini Atoll	\$0	\$0	\$41,836
41	2019-01-05-29	HE/University of Delaware	CNS Core: Small: Collaborative Research: Towards Systematic Analysis of DNS Infrastructure at Global Scale	\$147,741	\$0	\$0
42	2019-01-05-30	HE/University of Delaware	SHF: Small: Collaborative Research: NSF-BSF: REFINING: REsiliient FINE-grain multithreadING	\$167,774	\$0	\$0
43	2019-01-05-31	HE/University of Delaware	CNS Core: Small: Collaborative Research: Reduced Power and Cooling Redundancies: New Challenges in Data Centers and Their Solutions	\$167,773	\$0	\$0
44	2019-01-05-32	HE/University of Delaware	CIF: Small: Collaborative Research: Beyond Compressed Sensing: Analog Coding for Point-To-Point and Multi-Terminal Communications	\$180,594	\$0	\$0
45	2019-01-05-33	HE/University of Delaware	Models for Tear Film Structure, Dynamics and Parameter Identification	\$323,470	\$0	\$0
46	2019-01-05-34	HE/University of Delaware	Develop and Test New Autonomous Surface Vessel	\$416,154	\$0	\$0
47	2019-01-05-35	HE/University of Delaware	Long-Term Impact of Prenatal ZIKV Infection on Neurogenesis	\$275,000	\$0	\$0
48	2019-01-05-36	HE/University of Delaware	Probing Direct Cell-to-Cell Exchange of Matter in a Clostridium Syntrophic Coculture	\$252,492	\$0	\$0
49	2019-01-05-37	HE/University of Delaware	Colored Conventions Project Fellowship in Data Curation for African American and African Studies	\$0	\$0	\$175,500

50	2019-01-05-38	HE/University of Delaware	3D Printing of Fluorine Containing Polymers	\$0	\$0	\$245,295
51	2019-01-05-39	HE/University of Delaware	Understanding Liquid Phase Tandem Catalysis on Zeolite Encapsulated Metal Nanoparticles	\$199,601	\$0	\$0
52	2019-01-05-40	HE/University of Delaware	Multi-Muscle Magnetic Resonance Elastography (MM-MRE): A New Technique to Measure Non-Invasively Individual Force of Forearm Muscles During Fine Motor Tasks	\$275,034	\$0	\$0
53	2019-01-05-41	HE/University of Delaware	FET: Small: Collaborative Research: Development of an Algorithm for Whole Genome Alignment for Rapid Delivery of Personalized Genomics	\$270,056	\$0	\$0
54	2019-01-05-42	HE/University of Delaware	Hyperbolic Inverse Problem	\$87,267	\$0	\$0
55	2019-01-05-43	HE/University of Delaware	Ill: Small: Toward Understanding and Mitigating Online False Information: Models, Algorithms and Implementations	\$317,924	\$0	\$0
56	2019-01-05-44	HE/University of Delaware	MACE2K: Improving Access to Clinically Derived Cancer Molecular Data and Related Evidence through Standards, APIs and Tools	\$0	\$0	\$315,000
57	2019-01-05-45	HE/University of Delaware	C-4: Cognition, Character, and Coordination after Concussion	\$0	\$0	\$370,976
58	2019-01-05-46	HE/University of Delaware	Multiscale Mechanical Function and Damage in an In-Vivo Model of Tendinosis	\$275,000	\$0	\$0
59	2019-01-05-47	HE/University of Delaware	Unagi-Based Encoded Fluorescent Protein Kinase Sensors	\$275,000	\$0	\$0
60	2019-01-05-48	HE/University of Delaware	PADE YWCA 18/19 Partner Organization	\$0	\$0	\$16,000
61	2019-01-05-49	HE/University of Delaware	PADE YWCA2 18/19 Partner Organization	\$0	\$0	\$16,000
62	2019-01-05-50	HE/University of Delaware	Optimal Control Models of Epithelial-Mesenchymal Transition for the Design of Pancreas Cancer Combination Therapy	\$0	\$0	\$478,230
63	2019-01-05-51	HE/University of Delaware	xEMU Composite Hard Upper Torso	\$733,939	\$0	\$0
64	2019-01-05-52	HE/University of Delaware	National Center for Durability and Extended Life for Local Transportation Assets (DELLTA)	\$0	\$0	\$201,751
65	2019-01-05-53	HE/University of Delaware	SHF: Small: Collaborative Research: Retraining-Free Concurrent Test and Diagnosis in Emerging Neural Network Accelerators	\$177,389	\$0	\$0
66	2019-01-05-54	HE/University of Delaware	CY2018 Ship Operations NOAA Supp	\$238,500	\$0	\$0
67	2019-01-05-55	HE/University of Delaware	Plasma Methionine Response to Feeding Three Rumen Protected Methionine Products	\$0	\$0	\$27,388
68	2019-01-05-56	HE/University of Delaware	Artificial Intelligence - Driven, Virtual Reality-Assisted Treatment Planning for Precision Radiation Oncology	\$0	\$0	\$120,000

69	2019-01-05-57	HE/University of Delaware	WoU-MMA: IceCube Data Analysis in the US	\$0	\$0	\$963,766
70	2019-01-05-58	HE/University of Delaware	Identifying Differences in the Neural Correlates Underlying Semantic and Syntactic Development	\$138,000	\$0	\$0
71	2019-01-05-59	HE/University of Delaware	Regulation of Mitochondrial Iron Transport During Erythropoiesis	\$0	\$0	\$208,333
72	2019-01-05-60	HE/University of Delaware	Patellofemoral Osteoarthritis After ACL Reconstruction: Biomechanical and Biochemical Mechanisms Early After Surgery	\$190,396	\$0	\$0
73	2019-01-05-61	HE/University of Delaware	Raman Optical Activity based Sensor for In-Situ Determination of Non-Racemic Mixtures of Organics	\$583,833	\$0	\$0
74	2019-01-05-62	HE/University of Delaware	Collaborative Research: High-Performance Electrocatalytic Membrane Reactor for CO2 Electrolysis	\$131,964	\$0	\$0
75	2019-01-05-63	HE/University of Delaware	Multifunctional siRNA/ Antibody Nanocarriers to Treat Metastatic Triple-Negative Breast Cancer	\$1,250,005	\$0	\$0
76	2019-01-05-64	HE/University of Delaware	Recover Link: A State-Wide Effort to Identify and Link Individuals with Opioid Use Disorder into Treatment and Recovery	\$0	\$0	\$2,094,442
77	2019-01-05-65	HE/University of Delaware	Surface Waves Affect Air-Sea Coupling, Weather, and Climate	\$284,117	\$0	\$0
78	2019-01-05-66	HE/University of Delaware	Assistive Multimodal Machine Learning for Information Graphics	\$0	\$0	\$299,999
79	2019-01-05-67	HE/University of Delaware	Optimization of Material Design and Fabrication Process for the Improvement of a HEMT	\$0	\$0	\$74,500
80	2019-01-05-68	HE/University of Delaware	High Speed InP/GaAsSb Heterojunction Bipolar Transistors for 5G Network Applications	\$0	\$0	\$50,000
81	2019-01-05-69	HE/University of Delaware	Nemours / Mason Center for Pediatric Research	\$0	\$0	\$24,288
82	2019-01-05-70	HE/University of Delaware	Huawei Gift	\$0	\$0	\$250,000
83	2019-01-05-71	HE/University of Delaware	Searching for Light Dark Matter and New Forces with Precision Measurements	\$0	\$0	\$50,000
84	2019-01-05-72	HE/University of Delaware	Additive Manufacturing of X-band Luneburg Lenses	\$0	\$0	\$61,542
85	2019-01-05-73	HE/University of Delaware	Intelligent Driver Assistance System Enabled by Connected Vehicle Technologies	\$45,000	\$0	\$0
86	2019-01-05-74	HE/University of Delaware	Early Stage Diagnosis of Parkinson's Disease	\$45,000	\$0	\$0
87	2019-01-05-75	HE/University of Delaware	Collaborative Proposal: Surface Waves Affect Air-Sea Coupling, Weather, and Climate	\$284,117	\$0	\$0

88	2019-01-05-76	HE/University of Delaware	FY 2019 Study of the U.S. Institutes for Student Leaders on Women's Leadership	\$0	\$0	\$208,343
89	2019-01-05-77	HE/University of Delaware	Core Research Program, Adaptable Sensors for Shipping Container Screening	\$0	\$0	\$80,128
90	2019-01-05-78	HE/University of Delaware	EM11159 Task Order 4	\$0	\$0	\$17,762
91	2019-01-05-79	HE/University of Delaware	Automatic Control of Blood Transfusion using Noninvasive Sensors	\$0	\$0	\$44,872
92	2019-01-05-80	HE/University of Delaware	The Delaware Space Observations Center DSpOC	\$509,187	\$0	\$0
93	2019-01-05-81	HE/University of Delaware	Collaborative Research: Synthetic CRISPR-Cas6 Endonucleases for Dynamic Control of Cellular Phenotypes in Yeast	\$399,636	\$0	\$0
94	2019-01-05-82	HE/University of Delaware	NSF-BSF: Collaborative Research: Searching for Light Dark Matter and New Forces with Precision Measurements	\$126,710	\$0	\$0
95	2019-01-05-83	HE/University of Delaware	Measuring the Impact of Prenatal Stress-Environment Interactions on Child Development Following Hurricane Harvey	\$1,510,829	\$0	\$0
96	2019-01-05-84	HE/University of Delaware	Biomolecular Interaction Technologies Fiscal Year 2019	\$0	\$0	\$134,970
97	2019-01-05-85	HE/University of Delaware	Flower Power: Healing the Body and the Land	\$0	\$0	\$4,984
98	2019-01-05-86	HE/University of Delaware	Range-Wide Phylogeography and Conservation Genetics of Snow Leopards in High Asia	\$0	\$0	\$10,000
99	2019-01-05-87	HE/University of Delaware	Sensors of Relativistic Phenomena Based on Solid-State Quantum Platforms	\$164,911	\$0	\$0
100	2019-01-05-88	HE/University of Delaware	Having a Bitter Bite? The Use of Cover Crop to Manage Slugs.	\$0	\$0	\$24,093
101	2019-01-05-89	HE/University of Delaware	Pesticide Safety Management 2019	\$0	\$0	\$17,032
102	2019-01-05-90	HE/University of Delaware	Mechanistic Approaches to Aggregation Rates at High Concentrations	\$0	\$0	\$168,614
103	2019-01-05-91	HE/University of Delaware	Collaborative Research: WoU-MMA: Construction of the Next-Generation Radio Neutrino Observatory -- Multi-Messenger Neutrino Astrophysics at Extreme Energies	\$595,772	\$0	\$0
104	2019-01-05-92	HE/University of Delaware	Collaborative Research: WoU-MMA: Opening the Window to Ultra-High Energy Neutrino Astrophysics with the Askaryan Radio Array	\$261,400	\$0	\$0
105	2019-01-05-93	HE/University of Delaware	CCHS/NIH COBRE Eval Giancola	\$0	\$0	\$276,731
106	2019-01-05-94	HE/University of Delaware	ARO SWIR Obscurant Study Goossen	\$82,542	\$0	\$0

107	2019-01-05-95	HE/University of Delaware	Targeted Proteomics (SRM/MRM) Assay for Glycosylation Enzymes	\$0	\$0	\$108,974
108	2019-01-05-96	HE/University of Delaware	To Automate Detecting, Quantifying and Mapping of Delamination of Bridge Decks using Aerial Thermographic NDE	\$0	\$0	\$12,151
109	2019-01-05-97	HE/University of Delaware	SCH: INT: Collaborative Research: Smart Balls: A Robotic Playground for Pediatric Motor Rehabilitation	\$638,744	\$0	\$0
110	2019-01-05-98	HE/University of Delaware	NSF COLLAB RSCH: Hybridizable DG Methods for Optimal Transport via Fluid Flows	\$81,539	\$0	\$0
111	2019-01-05-99	HE/University of Delaware	NSF COLLAB RSCH: Interpolatory Hybridizable DG methods for Nonlinear PDES	\$81,539	\$0	\$0
112	2019-01-06-01	HE/University of Delaware	Closed Loop Recycling of High-Performance Short Fiber Composites	\$0	\$0	\$71,795
113	2019-01-06-02	HE/University of Delaware	Tapered Block Copolymers for Efficient and Safe Lithium-Ion Batteries	\$0	\$0	\$64,859
114	2019-01-06-03	HE/University of Delaware	Socially Cooperative Games in Individuals with or without Autism Spectrum Disorder - A Hyperscanning fNIRS Study	\$0	\$0	\$25,000
115	2019-01-06-04	HE/University of Delaware	Poppe/Arnold Foundation Unsheltered Homelessness Study	\$0	\$0	\$87,704
116	2019-01-06-05	HE/University of Delaware	Western States Leadership Institute on Developmental Disabilities	\$0	\$0	\$261,334
117	2019-01-06-06	HE/University of Delaware	Controlling and Optimizing Vibration Output for Therapy Using Shape Memory Alloy Springs	\$0	\$0	\$38,461
118	2019-01-06-07	HE/University of Delaware	Examining the Effects of Expected and Unexpected Social Rejection on Belonging Using Event-Related Potentials (ERPs)	\$0	\$0	\$2,000
119	2019-01-06-08	HE/University of Delaware	Yield and Impurity Clearance in Platform Chromatography Steps for Current and Next-Generation Processes	\$0	\$0	\$290,044
120	2019-01-06-09	HE/University of Delaware	Least Square Discretization and Preconditioning for Mixed Variational Formulations	\$212,918	\$0	\$0
121	2019-01-06-10	HE/University of Delaware	NSF Student Travel Grant for 2019 International Symposium on Software Testing and Analysis (ISSTA 2019)	\$10,000	\$0	\$0
122	2019-01-06-11	HE/University of Delaware	A Unified Multi-Stage Approach to Generalized Sequential Decision Making Problems with Covariates	\$117,575	\$0	\$0
123	2019-01-06-12	HE/University of Delaware	Shipboard Scientific Support Equipment CY2019, Swallow	\$187,515	\$0	\$0
124	2019-01-06-13	HE/University of Delaware	Conference on Finite Geometry and Extremal Combinatorics	\$26,000	\$0	\$0
125	2019-01-06-14	HE/University of Delaware	Efficacy of Early Parent Education for Improving Motor and Cognitive Outcomes for Infants Born Preterm	\$2,499,948	\$0	\$0

126	2019-01-06-15	HE/University of Delaware	Multi-Level Analysis of Affective Inhibitory Control	\$185,244	\$0	\$0
127	2019-01-06-16	HE/University of Delaware	Buyout of Kempton Teaching Time During 2019	\$0	\$0	\$57,686
128	2019-01-06-17	HE/University of Delaware	Innovative Heat-Activated Post-Tensioning System for Rapid Structural Renewal of Deteriorated Bridge Inventory	\$0	\$2,700	\$68,825
129	2019-01-06-18	HE/University of Delaware	Bioactive Injectable Implants for Functional Intervertebral Disc Regeneration	\$0	\$0	\$64,678
130	2019-01-06-19	HE/University of Delaware	SCH: INT: Cooperative Learning for Individualized, Contextual, Just-in-time Natural Language Interventions to Motivate and Reinforce Health Health in Middle-Aged Adults	\$536,780	\$0	\$0
131	2019-01-06-20	HE/University of Delaware	NSF Oceanographic Instrumentation CY19	\$40,200	\$0	\$0
132	2019-01-06-21	HE/University of Delaware	1987-1554: Faster-Than-Real-Time Simulation for Resilient DER Integration	\$0	\$0	\$378,179
133	2019-01-06-22	HE/University of Delaware	DSB Slugs Hiltbold 19	\$0	\$0	\$12,771
134	2019-01-06-23	HE/University of Delaware	USFWS Region 4 & 5 SET Data Analyses and Tools	\$59,136	\$0	\$0
135	2019-01-06-24	HE/University of Delaware	SCH: INT: Collaborative Research: Smart Wearable System for Connected Measurement of Physical Activity, Heart Rate, and Communication for Parents and Children	\$583,963	\$0	\$0
136	2019-01-06-25	HE/University of Delaware	Patient Experience Academy at Wilmington VA Medical Center	\$63,064	\$0	\$0
137	2019-01-06-26	HE/University of Delaware	Development of a Practical Risk Framework for Railway Bridge Stiffness Transition Maintenance and Upgrade	\$0	\$0	\$30,976
138	2019-01-06-27	HE/University of Delaware	Long-Term Structural Health Monitoring Via Unsupervised Data Analysis	\$0	\$0	\$56,414
139	2019-01-06-28	HE/University of Delaware	Nemours Ferrato 2018	\$0	\$0	\$22,239
140	2019-01-06-29	HE/University of Delaware	Strategic Prioritization and Planning of Transportation Infrastructure Maintenance, Rehabilitation, and Improvements Incorporating Continuously-Sensed Data	\$0	\$0	\$38,633
141	2019-01-06-30	HE/University of Delaware	Optimized Performance of UHPC in Prefabricated Bridge Elements and Overlays	\$0	\$0	\$90,045
142	2019-01-06-31	HE/University of Delaware	Design of Fiber Anchors for Rapid and Durable Strengthening of Bridges with Externally Bonded Carbon Fiber Reinforced Polymers	\$0	\$0	\$43,606
143	2019-01-06-32	HE/University of Delaware	Bridge Load Rating and Evaluation Using Digital Image Measurements	\$0	\$0	\$85,006
144	2019-01-06-33	HE/University of Delaware	Strategic Prioritization and Planning of Transportation Infrastructure Maintenance, Rehabilitation, and Improvements Incorporating Continuously-Sensed Data	\$0	\$0	\$33,488

145	2019-01-06-34	HE/University of Delaware	Theoretical Support for the MMS Mission: Reconnection and Particle Acceleration in a Turbulent Environment	\$328,846	\$0	\$0
146	2019-01-06-35	HE/University of Delaware	Implementation of Injury Prevention Programs to Reduce the Risk of Musculoskeletal Injuries Subsequent to Sport-Related Concussion: A Randomized Control Trial	\$1,646,552	\$0	\$0
147	2019-01-06-36	HE/University of Delaware	HCP Identification and Profiling across a Platform Portfolio	\$0	\$0	\$107,500
148	2019-01-06-37	HE/University of Delaware	Engaging Undergraduates in Disciplinary-Specific Computational Thinking: X+CT	\$399,423	\$0	\$0
149	2019-01-06-38	HE/University of Delaware	Graduate Student Assistantship from Yale University for Spring 2019	\$0	\$0	\$6,090
150	2019-01-06-39	HE/University of Delaware	UniProt: A Protein Sequence and Function Resource	\$0	\$0	\$73,281
151	2019-01-06-40	HE/University of Delaware	Affective Polarization, Partisan Identity Salience, "Borderline" Partisan Multimedia Content Formats and Individual Psychological Characteristics	\$0	\$0	\$121,415
152	2019-01-06-41	HE/University of Delaware	Multi-Material Additive Manufacturing for Printable Chemical Sensor	\$0	\$0	\$201,984
153	2019-01-06-42	HE/University of Delaware	The Special Initiative on Offshore Wind (SIOW)	\$0	\$0	\$23,438
154	2019-01-06-43	HE/University of Delaware	Collaborative Research: Evolution and Impact of Aerosol Phase and Morphology	\$163,359	\$0	\$0
155	2019-01-06-44	HE/University of Delaware	UniProt: A Protein Sequence and Function Resource	\$0	\$0	\$18,884
156	2019-01-06-45	HE/University of Delaware	Risk from Microplastics Exposure to Blue Crab Larvae in Delaware Bay and its Adjacent Coastal Shelf	\$238,213	\$0	\$0
157	2019-01-06-46	HE/University of Delaware	Sustained Ocean Observing with Underwater Gliders Support of Hurricane Intensity Forecasts	\$871,878	\$0	\$0
158	2019-01-06-47	HE/University of Delaware	Enhanced Membrane Systems for Supplying Quality Drinking Water	\$0	\$0	\$106,070
159	2019-01-06-48	HE/University of Delaware	University-National Oceanographic Laboratory System	\$0	\$0	\$71,911
160	2019-01-06-49	HE/University of Delaware	Rapid Purification of Recombinant Proteins by Protein Nanoparticle Crosslinking and Coiled-Coil Strand Displacement	\$230,160	\$0	\$0
161	2019-01-06-50	HE/University of Delaware	Particle Theory, Particle Astrophysics and Cosmology	\$597,185	\$0	\$0
162	2019-01-06-51	HE/University of Delaware	Using Sleep Health to Improve Smoking Cessation Treatment Response in HIV-Positive Adults	\$0	\$0	\$474,204
163	2019-01-06-52	HE/University of Delaware	Actomyosin Regulation of the Membrane Skeleton in Erythrocytes and Megakaryocytes	\$264,364	\$0	\$0

164	2019-01-06-53	HE/University of Delaware	UM/DOS SUSI-FP FY 2019 Study of the U.S. Institutes for Scholars	\$0	\$0	\$276,515
165	2019-01-06-54	HE/University of Delaware	Understanding Sources, Chemical Forms, and Stability of Recalcitrant and Residual Phosphorus Pools in Agricultural Soils	\$29,100	\$0	\$0
166	2019-01-06-55	HE/University of Delaware	Determining Antecedents to Consumer Acceptance of Scientific Information to Develop Educational Approaches on Gene-Editing Technologies	\$395,416	\$0	\$0
167	2019-01-06-56	HE/University of Delaware	Opioid Use and HIV among Female Medicaid Enrollees	\$0	\$0	\$5,000
168	2019-01-06-57	HE/University of Delaware	Advancing and Integrating Marine Predator Biodiversity Measurements into Regional Ocean Observatories	\$758,087	\$0	\$0
169	2019-01-06-58	HE/University of Delaware	Research on Flexible Hybrid Electronics for Smart Textile with Embedded and Printed Sensors (STEPS)	\$0	\$0	\$66,534
170	2019-01-06-59	HE/University of Delaware	Quasi-Equilibrium Magnon Condensates at Room Temperature	\$0	\$0	\$5,000
171	2019-01-06-60	HE/University of Delaware	Collaborative Research: A Two-Week Mentored Program to Prepare Graduate Students for Industrial Careers	\$33,022	\$0	\$0
172	2019-01-06-61	HE/University of Delaware	RAPID: Performance of Reinforced Concrete Structures with Externally Bonded Fiber Reinforced Polymer Composite Retrofits in Anchorage, AK Earthquake	\$25,545	\$0	\$0
173	2019-01-06-62	HE/University of Delaware	Extracellular Vesicles and their Potential Applications in Biologic Production with CHO Cells	\$0	\$0	\$64,102
174	2019-01-06-63	HE/University of Delaware	Actin Cytoskeleton Regulation of Lens Architecture, Transparency and Mechanics	\$360,635	\$0	\$0
175	2019-01-06-64	HE/University of Delaware	CY2019 ONR Ship Support	\$668,115	\$0	\$0
176	2019-01-06-65	HE/University of Delaware	KSU/4H/AF AFB Camps Crouse 2019 - Youth Makers	\$0	\$0	\$8,476
177	2019-01-06-66	HE/University of Delaware	2019 Military 4-H Partnership Youth Camps - Teen Life Skills	\$0	\$0	\$8,626
178	2019-01-06-67	HE/University of Delaware	KSU/4H/AF Camps Crouse 2019 - Youth Get Up	\$0	\$0	\$8,676
179	2019-01-06-68	HE/University of Delaware	KSU/4H/AF Camps Crouse 2019 - Weekend Warrior	\$0	\$0	\$9,407
180	2019-01-06-69	HE/University of Delaware	KSU/4H/USDA AFB Camps Crouse 2019 - Youth Coastal Explorers	\$0	\$0	\$10,454
181	2019-01-06-70	HE/University of Delaware	Multiscale Generalized Correlation: A Unified Distance-Based Correlation Measure for Dependency Discovery	\$117,039	\$0	\$0
182	2019-01-06-71	HE/University of Delaware	OP: Engineering Semiconductor Upconversion Nanoparticles for Controlled Deep-Tissue Release of Therapeutic Agents	\$398,679	\$0	\$0

183	2019-01-06-72	HE/University of Delaware	3D - Printed Corals Enhance Reef Conservation Techniques in Fiji	\$0	\$0	\$11,700
184	2019-01-06-73	HE/University of Delaware	Mapping the Structure and Kinematics of NGC 1624-2's Giant Magnetosphere	\$37,282	\$0	\$0
185	2019-01-06-74	HE/University of Delaware	k-Space Tomography for Radio-Frequency Spatial-Spectral Sensing	\$126,769	\$0	\$0
186	2019-01-06-75	HE/University of Delaware	Office of Education - Student Support Services Program - Grant Application 2015/20	\$297,070	\$0	\$0
187	2019-01-06-76	HE/University of Delaware	Validation of FUNWAVE-TVD Vessel Model for Use in Simulations of Ship-Induced Waves and Assessment of their Potential Impacts to S2G HFPS along SNWW	\$40,693	\$0	\$0
188	2019-01-06-77	HE/University of Delaware	Developing Deflection Acceptance Criteria for Compacted, Open-Graded Aggregate Bases for Permeable Pavements Using Lightweight Deflectometers (LWDs)	\$0	\$0	\$151,019
189	2019-01-06-78	HE/University of Delaware	Non-Invasive Functional Assessment and Pathogenesis of Morquio A	\$35,608	\$0	\$0

**Delaware State Clearinghouse Committee
February Agenda**

February 26, 2019

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
<u>New Business*</u>									
1	3915	Executive, Criminal Justice, Criminal Justice Council	Victims of Crime Act - Assistance Discretionary Training	\$108,856	\$0	\$0	0.10	0.00	0.00
2	2018-12-17-01	Department of Health and Social Services, Public Health, Community Health	Collaborative Improvement and Innovation Network on Infant Mortality	\$103,000	\$0	\$0	0.00	0.00	0.00
3	2018-12-17-02	Department of Health and Social Services, Public Health, Community Health	Regional Public Health Training Centers (PHTC) Program	\$32,500	\$0	\$0	0.00	0.00	0.00
4	3945	Department of Health and Social Services, Social Services, State Service Centers	Training and Technical Assistance Criminal History Check	\$6,615	\$0	\$0	0.00	0.00	0.00
5	3925	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal, and Energy	Coastal Zone Management Projects of Special Merit	\$221,340	\$0	\$0	0.15	0.00	0.00
6	3927	Department of Safety and Homeland Security, State Police, Traffic	Motor Carrier Safety Assistance Program	\$1,187,939	\$202,923	\$0	6.70	1.08	0.00
7	Multi	Department of Natural Resources and Environmental Control, Division of Fish and Wildlife	Deer Management Switch Fund Request						
<u>Continued</u>									
8	3929	Department of State, Human Relations	Fair Housing Assistance Program	\$108,200	\$0	\$0	1.00	0.00	0.00
9	3936	Department of Health and Social Services, Public Health, Community Health	Milk and Shellfish Grant Program	\$21,597	\$0	\$0	0.00	0.00	0.00
10	3938	Department of Health and Social Services, Public Health, Community Health	Manufactured Food Training (Milk Safety)	\$3,969	\$0	\$0	0.00	0.00	0.00
11	3506 Amendment	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Community Mental Health Block Grant	\$602,044	\$0	\$0	1.00	0.00	0.00
12	3924	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Adoption Incentive Payment Program	\$41,531	\$0	\$0	0.00	0.00	0.00
13	3926	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Freshwater Fisheries Management Program	\$49,143	\$16,381	\$0	0.42	0.20	0.00
14	3888	Department of Labor, Office of Occupational and Labor Market Information	Workforce Information Grant	\$300,167	\$0	\$0	1.50	0.00	0.00
<u>Higher Education</u>									
1	2019-02-09-01	HE/University of Delaware	Supplement to NSF Modular Autonomous Biosampler (MAB) Award	\$28,232	\$0	\$0			
2	2019-02-09-02	HE/University of Delaware	Biochemistry and Biophysics of Capsid Function in HIV-1 Infection	\$0	\$0	\$36,229			
3	2019-02-09-03	HE/University of Delaware	Delaware COBRE for Rehabilitation Research	\$7,423,697	\$0	\$0			
4	2019-02-09-04	HE/University of Delaware	Pulsatile Load in Chronic Kidney Disease The Heart and Brain Connection	\$0	\$0	\$10,000			
5	2019-02-09-05	HE/University of Delaware	Harnessing Alkyl Amine and Alcohol Derivatives in Cross-Coupling Reactions	\$1,821,770	\$0	\$0			

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

6	2019-02-09-06	HE/University of Delaware	Molecular Mechanisms of Cellular Processes through the Computational Microscope	\$0	\$0	\$600,000
7	2019-02-09-07	HE/University of Delaware	Mindfulness and Romantic Relationship Quality Among Dating Couples	\$0	\$0	\$1,500
8	2019-02-09-08	HE/University of Delaware	Leveraging Perceptual Mechanisms to Reduce Racial Bias in Pain Care	\$0	\$0	\$49,995
9	2019-02-09-09	HE/University of Delaware	Co-Mingled, High-Performance, Short Fiber Composites for Low Cost/High Volume Composites Manufacturing	\$289,421	\$0	\$0
10	2019-02-09-10	HE/University of Delaware	Perceiver Race and Individual Differences in Evaluations of Interracial Police-Civilian Interactions	\$272,096	\$0	\$0
11	2019-02-09-11	HE/University of Delaware	CY2019 NSF OPS Support	\$2	\$0	\$0
12	2019-02-09-12	HE/University of Delaware	Leveraging Perceptual and Psychological Mechanisms to Understand Racial Bias in Pain Care	\$324,815	\$0	\$0
13	2019-02-09-13	HE/University of Delaware	Spectral Graph Theory	\$0	\$0	\$35,000
14	2019-02-09-14	HE/University of Delaware	CDS/ARMY Executive Office for Simulation, Training and Implementation HDILED Service -Kiamilev	\$0	\$0	\$90,000
15	2019-02-09-15	HE/University of Delaware	Chichester duPont Foundation to provide Financial Aid	\$0	\$0	\$20,000
16	2019-02-09-16	HE/University of Delaware	NEH Natl Digital Newspaper Program Phase 3	\$180,945	\$0	\$0
17	2019-02-09-17	HE/University of Delaware	Neural Measure of Defeasible Binding	\$12,000	\$0	\$0
18	2019-02-09-18	HE/University of Delaware	The Impact of Prior Aerobic Exercise on the Pulsatile Component of Left Ventricular Afterload in Men and Women	\$0	\$0	\$10,001
19	2019-02-09-19	HE/University of Delaware	Sleep and Cardiovascular Health in College Students	\$0	\$0	\$4,978
20	2019-02-09-20	HE/University of Delaware	Ultra-High Power On-Diamond UTC Photodiode for Microwave Photonic Applications	\$0	\$0	\$67,717
21	2019-02-09-21	HE/University of Delaware	A Study to Determine if Fall-Recovery Skill can be a Target to Enable Walking Activity in those with Chronic Stroke	\$0	\$0	\$272,727
22	2019-02-09-22	HE/University of Delaware	Creating the Fabric of Functional Garment Research at UD	\$0	\$0	\$520,000
23	2019-02-09-23	HE/University of Delaware	Innovative Methods to Advance Precision in Early Childhood Services	\$0	\$0	\$121,337
24	2019-02-09-24	HE/University of Delaware	Informative and Predictive Metrics Extracted from Non-Commensurate Datasets for Monitoring Health and Disease Progression: Investigations into Parkinson's Disease	\$626,542	\$0	\$0

25	2019-02-09-25	HE/University of Delaware	Entresto Effects on Cardiovascular Responses to Exercise in Heart Failure Patients	\$0	\$0	\$5,000
26	2019-02-09-26	HE/University of Delaware	Parenting Plus (AECF)	\$0	\$0	\$90,909
27	2019-02-09-27	HE/University of Delaware	Support KIDS COUNT Activities	\$0	\$0	\$95,238
28	2019-02-09-28	HE/University of Delaware	Finding Mitochondrial Memory	\$0	\$0	\$50,000
29	2019-02-09-29	HE/University of Delaware	Improved HAB Monitoring, Forecasting and Response Capacity in the Chesapeake Bay	\$0	\$0	\$63,617
30	2019-02-09-30	HE/University of Delaware	RII Track-2 FEC: Multistate Data Science Initiative for Harnessing Big Data to Address Opioid Use Disorder	\$0	\$0	\$1,269,739
31	2019-02-09-31	HE/University of Delaware	Crediting Cover Crops and Soil Organic Matter in Fertilizer Recommendations to Increase Nitrogen Use Efficiency	\$0	\$0	\$168,664
32	2019-02-09-32	HE/University of Delaware	Ammonia - Foe and Friend? Salmonella Reduction by Endogenous Ammonia in Poultry Litter	\$0	\$0	\$46,337
33	2019-02-09-33	HE/University of Delaware	Effect of Dietary Sodium on Modulating Human Gut Microbiota	\$0	\$0	\$5,000
34	2019-02-09-34	HE/University of Delaware	Continued Development and Delivery of a 3-D Prehistoric Stone Tool Database for Education, Outreach and Research	\$0	\$0	\$92,732
35	2019-02-09-35	HE/University of Delaware	Recasting and Book Reading Under Ideal (Dose-Controlled) and Typical (Dose-Variable) Conditions: The Role of Fidelity and Adherence in Production and Comprehension Outcomes for Children with DLD	\$1,250,000	\$0	\$0
36	2019-02-09-36	HE/University of Delaware	UCSF/NIMH Roben 19 Dissemination ABC Training	\$0	\$0	\$12,000
37	2019-02-09-37	HE/University of Delaware	Enabling Science by Intra-Collaboration Exchanges: Conferences, Un-Conferences, Hackathons for TVS and SMWLV	\$0	\$0	\$35,000
38	2019-02-09-38	HE/University of Delaware	MRI: Acquisition of a Console and Cryogenic Quadnuclear Probe for a 600 MHz NMR Spectrometer	\$661,016	\$0	\$0
39	2019-02-09-39	HE/University of Delaware	SPX: Enabling Scalable Social Edge Computing	\$364,406	\$0	\$0
40	2019-02-09-40	HE/University of Delaware	SPX: Collaborative Research: A Formal Foundation for Heterogeneous Concurrency: From Standards to Implementations	\$389,116	\$0	\$0
41	2019-02-09-41	HE/University of Delaware	Smart Green Corridor Innovation with Biochar	\$0	\$0	\$28,959
42	2019-02-09-42	HE/University of Delaware	Collaborative Research: Tempering the Error Climate: Impact of Perceptions about Error Functionality on Student Learning, Motivation, and Perseverance in Mathematics	\$167,800	\$0	\$0
43	2019-02-09-43	HE/University of Delaware	Family SHADE - Danio Diary	\$12,986	\$0	\$0

44	2019-02-09-44	HE/University of Delaware	Diaphragm Muscle Dysfunction in Chronic Kidney Diseases	\$0	\$0	\$172,412
45	2019-02-09-45	HE/University of Delaware	Thermoforming of Composite Parts	\$0	\$0	\$32,051
46	2019-02-09-46	HE/University of Delaware	Smart Green Corridor Innovation with Biochar	\$0	\$0	\$28,959
47	2019-02-09-47	HE/University of Delaware	Antibody Tools for Investigating Protein Expression in Mammalian Lens Development	\$0	\$0	\$25,000
48	2019-02-09-48	HE/University of Delaware	A Multi-Generational Transcriptome Study of Animals Exposed to Simulated Microgravity and Simulated Space Radiation	\$143,902	\$0	\$0
49	2019-02-09-49	HE/University of Delaware	DMREF: Collaborative Research: Conductive Protein Nanowires as Next Generation Polymer Nanocomposite Fillers	\$220,610	\$0	\$0
50	2019-02-09-50	HE/University of Delaware	Collaborative Research: Paving the Way for Fractions: Exploring Foundational concepts in First Grade	\$1,407,976	\$0	\$0
51	2019-02-09-51	HE/University of Delaware	SPX: Collaborative Research: Message-Based Event Driven System for Extreme Scale	\$592,407	\$0	\$0
52	2019-02-09-52	HE/University of Delaware	MRI: Acquisition of a Big Data and High Performance Computing System to Catalyze Delaware Research and Education	\$1,399,992	\$0	\$0
53	2019-02-09-53	HE/University of Delaware	Inflammation as a Driver of Hereditary Triple Negative Breast Cancer	\$0	\$0	\$625,001
54	2019-02-09-54	HE/University of Delaware	3D Printing of Fluorine Containing Polymers	\$0	\$0	\$361,993
55	2019-02-09-55	HE/University of Delaware	Isolation and Characterization of the Causative Agent of False Layer Syndrome	\$0	\$0	\$88,164
56	2019-02-09-56	HE/University of Delaware	Inflammation Mediated PINCH Induction Leads to Metabolic Dysfunction in Alzheimer's Disease	\$0	\$0	\$309,407
57	2019-02-09-57	HE/University of Delaware	Foxe3 and Downstream Gene Regulatory Networks in Lens Development	\$0	\$0	\$82,514
58	2019-02-09-58	HE/University of Delaware	Do Cultivars of Native Plants Support Food Webs as well as their Parent Species?	\$0	\$0	\$30,007
59	2019-02-09-59	HE/University of Delaware	New Faculty Hire: NIH COBRE in Lung Cancer shall Recruit Junior Level Tenure-Track Candidate who will Develop Extramurally Funded Research Programs Pertaining to the Molecular and Cellular Basis of Lung Cancer, its Diagnosis and Treatment	\$0	\$0	\$503,471
60	2019-02-09-60	HE/University of Delaware	The Effect Of Parkinson's Disease On Feedback Control During Reaching	\$0	\$0	\$59,914
61	2019-02-09-61	HE/University of Delaware	RII Track-2 FEC: Assessing Flood Risk and Building Coastal Resilience Using and Applying Big Data	\$0	\$0	\$1,285,536
62	2019-02-09-62	HE/University of Delaware	TFEB Activation as a Therapeutic Option for DMD	\$0	\$0	\$105,509

63	2019-02-09-63	HE/University of Delaware	Identifying Circuits and Mechanisms via which Basal Forebrain Cholinergic Neurons Facilitate Fear Memory	\$1,075,000	\$0	\$0
64	2019-02-09-64	HE/University of Delaware	Examining Neuroendocrinological and Neurobiological Mechanisms that Render Females More Susceptible to the Effects of Traumatic Stress	\$100,000	\$0	\$0
65	2019-02-09-65	HE/University of Delaware	Cell Signaling in Neural Crest Induction	\$1,250,000	\$0	\$0
66	2019-02-09-66	HE/University of Delaware	Elucidating Biogenesis and Cargo Sorting Mechanisms for Discrete Extracellular Vesicle Subpopulations in C. Elegans	\$1,250,000	\$0	\$0
67	2019-02-09-67	HE/University of Delaware	Cross-Cutting Metrology Tools for In-Operando Characterization of Carrier Dynamics in Photovoltaic Devices	\$0	\$0	\$192,310
68	2019-02-09-68	HE/University of Delaware	RII Track-2 FEC: Large-Scale, Biopsychosocial Data Driven Approaches to Understanding and Solving Challenges for the Success and Well-Being of Stigmatized Individuals	\$4,653,224	\$0	\$0
69	2019-02-09-69	HE/University of Delaware	A Study of Interactions Between Sensori-Motor and Social Communication Development in Infants At-Risk for Autism	\$2,211,893	\$0	\$0
70	2019-02-09-70	HE/University of Delaware	Poppe/Arnold Foundation Unsheltered Homelessness Study	\$0	\$0	\$87,704
71	2019-02-09-71	HE/University of Delaware	Ronald E. McNair Post-Baccalaureate Achievement	\$449,612	\$0	\$0
72	2019-02-09-72	HE/University of Delaware	Parkinson's Disease Telehealth Clinic 2019	\$0	\$0	\$15,000
73	2019-02-09-73	HE/University of Delaware	Field Demonstration of a New Litter Amendment on Ammonia Control in Broiler Houses under Winter Conditions	\$0	\$0	\$24,845
74	2019-02-09-74	HE/University of Delaware	Protect the Flock - Improving Biosecurity through Vehicle Disinfection	\$0	\$0	\$35,461
75	2019-02-09-75	HE/University of Delaware	Designing Magnon-Electron Hybrid Devices with Quantum-Classical Micromagnetics	\$295,794	\$0	\$0
76	2019-02-09-76	HE/University of Delaware	DMREF: Ultrafast Nonlinear Spin Physics in Magnetic Structures under the Extreme Condition of Intense Laser Excitation	\$1,010,632	\$0	\$0
77	2019-02-09-77	HE/University of Delaware	Mechanistic and Therapeutic Manipulations of Autophagy in Dystrophic Muscle	\$0	\$0	\$345,470
78	2019-02-09-78	HE/University of Delaware	University of Delaware Upward Bound Program	\$595,676	\$0	\$0
79	2019-02-09-79	HE/University of Delaware	University of Delaware Upward Bound Math/Science	\$599,172	\$0	\$0
80	2019-02-09-80	HE/University of Delaware	That's Great in Theory, But What Does it Look Like in Practice? Describing Components of Critical Service Learning in Urban Classrooms	\$0	\$0	\$23,630
81	2019-02-09-81	HE/University of Delaware	Food Insufficiency, Disability Status, and Program Participation	\$0	\$0	\$15,513

82	2019-02-09-82	HE/University of Delaware	Composite Spray Boom Development	\$0	\$0	\$94,653
83	2019-02-09-83	HE/University of Delaware	NRT-QL: Interdisciplinary Graduate Degree Program in Quantum Science and Engineering	\$2,558,324	\$0	\$0
84	2019-02-09-84	HE/University of Delaware	DMREF: Collaborative Research: Design of Self-Assembled Atomically Engineered Metal/Electrolyte Interfaces for the Efficient Electrochemical Reduction of CO2 to Fuels	\$452,040	\$0	\$0
85	2019-02-09-85	HE/University of Delaware	Rapid Manufacturing of Tooling for On-Aircraft Composite Scarf Repairs	\$0	\$0	\$96,154
86	2019-02-09-86	HE/University of Delaware	Next-Generation Phylogenetic Methods for Modern Biological Data	\$0	\$0	\$35,000
87	2019-02-09-87	HE/University of Delaware	Modeling of Waves in Complex Media	\$0	\$0	\$35,000
88	2019-02-09-88	HE/University of Delaware	Affordable ATP-Vacuum Consolidation Processing	\$0	\$0	\$28,846
89	2019-02-09-89	HE/University of Delaware	Wyoming Leadership Institute Participant Support	\$0	\$0	\$19,685
90	2019-02-09-90	HE/University of Delaware	Feed Additive for Reducing Incidence of Wooden Breast in Commercial Broiler Chickens	\$0	\$0	\$70,452
91	2019-02-09-91	HE/University of Delaware	DMREF: Collaborative Research: Computationally-Driven Synthesis of Porous Cages for Small Molecule Storage	\$357,268	\$0	\$0
92	2019-02-09-92	HE/University of Delaware	DMREF: Collaborative Research: Multiscale Manipulation of Failure and Fatigue in Biopolymeric Elastomers	\$341,956	\$0	\$0
93	2019-02-09-93	HE/University of Delaware	DMREF: Collaborative Research: Theory-Informed Design of Non-Linear Block Copolymer: Optimizing Macromolecular Architecture and Domain Spacing for Nanotemplating Materials	\$391,970	\$0	\$0
94	2019-02-09-94	HE/University of Delaware	Growing a CS Pathway for America's Youth	\$0	\$0	\$22,500
95	2019-02-09-95	HE/University of Delaware	iSLEDS STTR Phase 2	\$0	\$0	\$199,622
96	2019-02-09-96	HE/University of Delaware	Exploring, Identifying, and Assessing Dressing and Toileting ADL Challenges for Families of Young Adults with Moderate to Severe Disabilities	\$396,840	\$0	\$0
97	2019-02-09-97	HE/University of Delaware	Brain Viscoelasticity Changes due to Repetitive Head Impacts and Concussion	\$1,745,122	\$0	\$0
98	2019-02-09-98	HE/University of Delaware	Estimating Nelsons Sparrows Reproductive Success at Mendall Marsh, Maine	\$0	\$0	\$109,776
99	2019-02-09-99	HE/University of Delaware	Cell Junctions and Cell Membranes in the Lens	\$22,035	\$0	\$0
100	2019-02-10-01	HE/University of Delaware	Semantic Computing for Protein Knowledge Network Discovery	\$2,610,200	\$0	\$0

101	2019-02-10-02	HE/University of Delaware	Biocontrol of Sanitizer Tolerant <i>Listeria Monocytogenes</i> Biofilms using a Risk-Based Fresh Produce Production System	\$0	\$0	\$188,776
102	2019-02-10-03	HE/University of Delaware	Identifying the Mechanism of FAM210B Function in Erythroid Iron Metabolism	\$0	\$0	\$29,545
103	2019-02-10-04	HE/University of Delaware	Molecular-Level Kinetic Modeling of Resid Fluid Catalytic Cracking	\$0	\$0	\$245,264
104	2019-02-10-05	HE/University of Delaware	Sussex County Appropriation for Ag Exp Station Research Fiscal Year 2017	\$0	\$0	\$30,000
105	2019-02-10-06	HE/University of Delaware	Combing Observational Technologies with Survey Methodologies Using Energy End Use as Metric of Study	\$256,913	\$0	\$0
106	2019-02-10-07	HE/University of Delaware	CNH2-L: Beach Evolution and Adaptability to Complex Human and Environmental Stressors (BEACHES): Linking Beach Dynamics and Values with Coastal Management Strategies	\$178,894	\$0	\$0
107	2019-02-10-08	HE/University of Delaware	Combinatorially Structured Diffusions	\$0	\$0	\$35,000
108	2019-02-10-09	HE/University of Delaware	WARGLOVE (Wearable And Resistive-heated Glove)	\$0	\$0	\$34,375
109	2019-02-10-10	HE/University of Delaware	Establishing Dynamic Microenvironments to Probe Key Regulators of Cancer Dormancy	\$1,249,995	\$0	\$0
110	2019-02-10-11	HE/University of Delaware	Process Modeling of Entire Autoclave Assembly for Complex Geometries and its Sensitivity to Defect Formation	\$0	\$0	\$28,846
111	2019-02-10-12	HE/University of Delaware	Nano-Scale Hybridization of Composite Interfaces for Damage Tolerant Rotorcraft Components	\$0	\$0	\$46,154
112	2019-02-10-13	HE/University of Delaware	Analysis of the Presence of <i>Cyclospora</i> in Waters of the Mid-Atlantic and Evaluation of Removal and Inactivation by Filtration	\$0	\$0	\$46,269
113	2019-02-16-01	HE/Delaware State University	RII Track-2 FEC: Big Data Analytics for Disaster Relief, Resilience & Sustainability	\$4,074,093		
114	2019-02-16-02	HE/Delaware State University	Developing a Novel Methodology to Estimate Shortnose Sturgeon Abundance Using Acoustic Telemetry and Side-Scan Sonar Imagery (Hudson River Foundation/Cornell)	\$47,901		15% IDC
115	2019-02-16-03	HE/Delaware State University	MRI: Acquisition of Next Generation Sequencing and Library Prep Systems to Advance Genomics Research at Delaware State University (NSF)	\$656,777		
116	2019-02-16-04	HE/Delaware State University	Elucidation of physiological, biochemical, and molecular mechanisms for sweet potato adaptation to a simulated Mars-like environment (NASA)	\$305,377		15% IDC
117	2019-02-16-05	HE/Delaware State University	Delaware INBRE III/ DSU	\$200,000		
118	2019-02-16-06	HE/Delaware State University	MRI: Acquisition of Multiphoton Microscope for Multidisciplinary Research and Education at Delaware State University	\$852,798		

**Delaware State Clearinghouse Committee
March Agenda**

March 26, 2019

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
<u>New Business*</u>									
1	3974	Department of State, Veterans Home	FY 19 Emergency Generator	\$1,737,844	\$0	\$0	0.00	0.00	0.00
2	3939	Department of Health and Social Services, Public Health, Community Health	FY20 Rural Communities Opioid Response Program	\$200,000	\$0	\$0	0.00	0.00	0.00
3	3948	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	FY19 Delaware Alzheimer's Disease Initiative Expansion	\$395,182	\$431,727	\$0	0.00	0.50	0.00
4	3951	Department of Health and Social Services, Social Services	FY18 Medicare Improvements for Patients and Providers Act- Aging and Disability Resource Centers (MIPPA – ADRC)	\$17,610	\$0	\$0	0.00	0.00	0.00
5	3873 Amendment	Department of Services for Children, Youth and Their Families	Child Welfare Grant - Switch Fund Request	\$0	\$0	\$0			
6	3919	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	FY19 NOAA-S6-03 2019 Nanticoke Sturgeon	\$123,966	\$13,774	\$0	0.26	0.03	0.00
7	3091 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Wildlife Investigations - White-Tailed Deer	\$116,527	\$38,842	\$0	0.44	0.43	0.00
8	3326 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Aquatic Vegetation Program	\$352,500	\$117,500	\$0	0.37	0.43	0.00
<u>Continued</u>									
9	3573	Department of Health and Social Services, Social Services	FY 2019 Supplemental Nutrition Assistance Program - Employment and Training for Able-Bodied Adults Without Dependents	\$377,358	\$0	\$0	0.00	0.00	0.00
10	3933	Department of Health and Social Services, Public Health, Community Health	FY19 Medical Monitoring Project (MMP)	\$311,482	\$0	\$0	0.80	0.00	0.00
11	3942	Department of Health and Social Services, Public Health, Community Health	FY 19 Pregnancy Risk Assessment Monitoring System	\$272,256	\$274,318	\$0	2.00	0.74	0.00
12	3944	Department of Health and Social Services, State Service Centers	FY20 Training & Technical Assistance Commission Investment	\$149,090	\$0	\$0	0.00	0.00	0.00
13	3932	Department of Health and Social Services, Public Health, Community Health	FY19 Title X Family Planning Services	\$3,661,558	\$1,756,940	\$0	4.00	5.80	0.00
14	3758 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-50-D-18 Delaware Freshwater Trout Program	\$435,636	\$145,212	\$0	0.57	0.05	0.00
15	3941	Department of Agriculture, Animal Health	FY19 Umbrella National Surveillance	\$245,235	\$0	\$0	0.00	0.00	0.00
16	3943	Department of Agriculture, Animal Health	FY19 Animal Disease Traceability	\$6,250	\$0	\$0	0.00	0.00	0.00
<u>Higher Education</u>									
1	2019-03-09-01	HE/University of Delaware	Aerospace Composite Modernization	\$0	\$0	\$60,897			
2	2019-03-09-02	HE/University of Delaware	DMREF: Toughness Engineering of Architected Materials at Multiple Scales (TEAMS)	\$1,133,357	\$0	\$0			
3	2019-03-09-03	HE/University of Delaware	Student Leaders Program in the Middle East and North Africa	\$0	\$0	\$160,564			

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

4	2019-03-09-04	HE/University of Delaware	Optimizing Strength in Fused Deposition Modeling to Make Next Generation Materials	\$122,640	\$0	\$0
5	2019-03-09-05	HE/University of Delaware	Patient-Centered, Nurse-Led Intervention for Medication Adherence with Individuals with Parkinson's Disease	\$250,000	\$0	\$0
6	2019-03-09-06	HE/University of Delaware	Automated Framework for the Design of Passive Orthotic Interfaces	\$0	\$0	\$31,410
7	2019-03-09-07	HE/University of Delaware	Mechanics of Microtubule Aster Growth and Positioning	\$0	\$0	\$171,296
8	2019-03-09-08	HE/University of Delaware	Pathogen Removal from Produce and Food-Contact Surfaces and Treatment of Wash Water Using Nanobubbles	\$0	\$0	\$313,705
9	2019-03-09-09	HE/University of Delaware	CBET - 1637991 Supplement - ISS: Kinetics of Nanoparticle Self-Assembly in Directing Fields	\$40,891	\$0	\$0
10	2019-03-09-10	HE/University of Delaware	SFS: UDare Cyber Scholarships for Service	\$4,155,276	\$0	\$0
11	2019-03-09-11	HE/University of Delaware	Department of Energy Intergovernmental Personnel Act 18-19	\$639,493	\$0	\$0
12	2019-03-09-12	HE/University of Delaware	The Role of Nucleus Basalis Cholinergic Neurons in Conditioned Avoidance	\$333,500	\$0	\$0
13	2019-03-09-13	HE/University of Delaware	Blockchain Technology and the Disruption of Maritime Shipping: An Exploration of Potential Impacts for the U.S. Maritime Transportation Sector	\$31,840	\$0	\$0
14	2019-03-09-14	HE/University of Delaware	Port Electrification: An Assessment of Environmental, Economics, and Employment Impacts	\$65,900	\$0	\$0
15	2019-03-09-15	HE/University of Delaware	Two Aspects of Harmonic Analysis: Functional Analysis and Combinatorics	\$0	\$0	\$35,000
16	2019-03-09-16	HE/University of Delaware	Sleep Patterns, Sleep Architecture, and Glycemic Control in Adolescents with Type 1 Diabetes Mellitus Transitioning into Emerging Young Adults	\$275,000	\$0	\$0
17	2019-03-09-17	HE/University of Delaware	Data-Driven Models of Food Decision Making	\$1,090,088	\$0	\$0
18	2019-03-09-18	HE/University of Delaware	Functional Characterization of the Role of Circular RNAs in Ewing's Sarcoma	\$275,000	\$0	\$0
19	2019-03-09-19	HE/University of Delaware	PValS: Planet Validation Software	\$0	\$0	\$39,424
20	2019-03-09-20	HE/University of Delaware	Expeditionary Metal Additive Manufacturing	\$0	\$0	\$34,374
21	2019-03-09-21	HE/University of Delaware	Controlling Nanoparticle Architecture and Biological Interactions to Enable High Precision Therapy	\$0	\$0	\$100,000
22	2019-03-09-22	HE/University of Delaware	Establishing Markers for Stability and a Model for Accelerated Prediction of Production (In)Stability	\$0	\$0	\$90,000

23	2019-03-09-23	HE/University of Delaware	The Center for Nitrogen Recycling	\$0	\$0	\$150,100
24	2019-03-09-24	HE/University of Delaware	Intelligent Cybersecurity Logging Architecture for Naval Systems iCLANS	\$0	\$0	\$48,585
25	2019-03-09-25	HE/University of Delaware	Mechanisms Driving Ocular Inflammation Following Cataract Surgery	\$0	\$0	\$2,500
26	2019-03-09-26	HE/University of Delaware	Rbm24 Post-Transcriptionally Controls Key Transcription Factors in Mouse Eye Development	\$0	\$0	\$2,500
27	2019-03-09-27	HE/University of Delaware	HHS DATI FY2019 Delaware Assistive Technology Initiative	\$403,125	\$0	\$0
28	2019-03-09-28	HE/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	\$275,000	\$0	\$0
29	2019-03-09-29	HE/University of Delaware	Segmentation of Motor Output: A Marker of Parkinson's Disease	\$275,000	\$0	\$0
30	2019-03-09-30	HE/University of Delaware	Further Examining the Role of Cohesive Sediments in Munitions Mobility through Additional Infield Deployment of Smart Munitions and Application of a SERDP-Developed Penetrometer	\$44,338	\$0	\$0
31	2019-03-09-31	HE/University of Delaware	Yonkers PD Instructional Rounds	\$0	\$0	\$8,561
32	2019-03-09-32	HE/University of Delaware	Long-Wavelength (>800 nm) Absorbing Isocorrole Conjugates as Tumor Selective Photochemotherapeutic Agents	\$0	\$0	\$60,124
33	2019-03-09-33	HE/University of Delaware	Collaborative Research: Understanding the Physics of Flocculation Processes and Cohesive Sediment Transport in Bottom Boundary Layers through Multi-Scale Modeling	\$284,847	\$0	\$0
34	2019-03-09-34	HE/University of Delaware	The Neuroendocrine Consequences of Exposure to Police Civilian Interactions in Black American Adults and Adolescents	\$275,000	\$0	\$0
35	2019-03-09-35	HE/University of Delaware	Integrated Model of CHO Cell Growth, Substrate Uptake, and Intracellular Metabolism for Process Design and Control	\$0	\$0	\$33,750
36	2019-03-09-36	HE/University of Delaware	CleanCHO: Targeted Elimination of Secreted By-Products of Amino Acid Catabolism to Improve Volumetric Productivity	\$0	\$0	\$45,000
37	2019-03-09-37	HE/University of Delaware	Analysis of Landbird Monitoring Data for the Great Lakes I&M Network	\$44,873	\$0	\$0
38	2019-03-09-38	HE/University of Delaware	HDR DSC: Collaborative Research: Small State...Big Data	\$864,976	\$0	\$0
39	2019-03-09-39	HE/University of Delaware	CS4DE: Teacher-Driven Development, Implementation, and Assessment of Integrated Computational Thinking in Grades 3-5	\$667,315	\$0	\$0
40	2019-03-09-40	HE/University of Delaware	Collaborative Research: Phytoplankton Evolution and Diversification of the Marine Biosphere	\$271,583	\$0	\$0
41	2019-03-09-41	HE/University of Delaware	EDGE TT: Genome-Editing Tools for Cosmopolitan Light-Responsive Actinobacteria	\$251,522	\$0	\$0

42	2019-03-09-42	HE/University of Delaware	Mid-Scale RI-1 (M1:IP): Consortium Proposal for Infrastructure for Multi-Messenger Astrophysics: Construction of the Next-Generation Radio Neutrino Observatory	\$0	\$0	\$595,772
43	2019-03-09-43	HE/University of Delaware	Novel Platform for Safety Evaluation of Natural Antioxidant/ Antimicrobial Ingredients	\$145,678	\$0	\$0
44	2019-03-09-44	HE/University of Delaware	Hearing Democracy in the First State: Preserving Delaware's Political Radio Commercials, 1970-1984	\$0	\$0	\$13,426
45	2019-03-09-45	HE/University of Delaware	A Multi-Level Examination of Health-Related Time-Use among Adults with Intellectual Disabilities	\$280,883	\$0	\$0
46	2019-03-09-46	HE/University of Delaware	Aerial Platform with High Sensitivity, High Temperature Gas Sensor System Based on SiC Materials for Atmospheric Compositions on Venus	\$66,041	\$0	\$0
47	2019-03-09-47	HE/University of Delaware	Supplement for CAREER: Elucidating Molecular Level Interplay between Catalysis and Electrolytes in Electrochemical Reduction of CO2 (CBET 1651625)	\$10,000	\$0	\$0
48	2019-03-09-48	HE/University of Delaware	Collaborative Research: Modulation of Langmuir Circulations by Atmospheric Surface Layer Structures through Coordinated Numerical Simulations and Laboratory Measurements	\$352,497	\$0	\$0
49	2019-03-09-49	HE/University of Delaware	The Interaction between Mild Traumatic Brain Injury and Musculoskeletal Injury in Collegiate Athletes	\$0	\$0	\$545,414
50	2019-03-09-50	HE/University of Delaware	Investigating Relationship & Health within a National Sample: A Multilevel Comparison of Interracial/Interethnic & Monoracial/Monoethnic Couples	\$114,000	\$0	\$0
51	2019-03-09-51	HE/University of Delaware	Feasibility Study Proposal: Addressing Cote D'Ivoire's Learning Crisis through Family and School Based Interventions	\$0	\$0	\$20,000
52	2019-03-09-52	HE/University of Delaware	Railroad Track Performance Monitoring by Advanced Sensor Network & Big Data	\$0	\$0	\$61,352
53	2019-03-09-53	HE/University of Delaware	Investigation of the Cataract Pathobiology in Tdrd7 Knockout Mice	\$0	\$0	\$2,500
54	2019-03-09-54	HE/University of Delaware	Elucidating the Mechanisms of Disparities for Lung Cancer Screening in High-Risk African Americans	\$0	\$0	\$176,956
55	2019-03-09-55	HE/University of Delaware	NRI: FND: Coordination of Tethered Robot Teams with Application to High-Throughput Plant Phenotyping	\$504,029	\$0	\$0
56	2019-03-09-56	HE/University of Delaware	Travel Grant for Attending International Conferences	\$15,000	\$0	\$0
57	2019-03-09-57	HE/University of Delaware	Complex Syntax Intervention and Science Learning in Young Children in Poverty and Children With Developmental Language Disorder	\$300,000	\$0	\$0
58	2019-03-09-58	HE/University of Delaware	Development of Novel Reinforced Composite Diphenylethylene-based Polymer Electrolyte Membranes for Non-PFSA Fuel Cells	\$0	\$0	\$11,538
59	2019-03-09-59	HE/University of Delaware	Enhanced Documentation and Analysis of Porosity in Deteriorated Historic Bricks for Preservation Studies	\$22,225	\$0	\$0
60	2019-03-09-60	HE/University of Delaware	NRI:INT: Multi-Scale Cooperative Robot Deployment in Hazardous Environments	\$1,090,027	\$0	\$0

61	2019-03-09-61	HE/University of Delaware	NRI: FND: Consistent Distributed Visual-Inertial Estimation and Perception for Cooperative Unmanned Aerial Vehicles	\$256,523	\$0	\$0
62	2019-03-09-62	HE/University of Delaware	RAPID: Neutron Monitors in the 21st Century	\$131,030	\$0	\$0
63	2019-03-09-63	HE/University of Delaware	Collaborative Research: Anthropocene Landscapes: Legacy Sediment Transformation of Structure and Function of Fluvial Ecosystems / Past, Present and Future	\$993,850	\$0	\$0
64	2019-03-09-64	HE/University of Delaware	Brain Injury Associate of Delaware (BIAD) 19: Advancing Science Involving Purposeful Heading in Youth Soccer and Advocating for a Safer Playing Environment for Delaware Youth Soccer Players	\$0	\$0	\$1,000
65	2019-03-09-65	HE/University of Delaware	NASEM - Gulf Research Program: Early-Career Research Fellowship	\$0	\$0	\$76,000
66	2019-03-09-66	HE/University of Delaware	Thermophysical Testing of Composite Samples	\$0	\$0	\$31,468
67	2019-03-09-67	HE/University of Delaware	Thermal Transport in SiC and Diamond Based Composites	\$0	\$0	\$95,000
68	2019-03-09-68	HE/University of Delaware	Materials in Extreme Dynamic Environments 2018	\$0	\$0	\$566,335
69	2019-03-09-69	HE/University of Delaware	Robust Electronic Circuits Based on Layered Materials	\$65,917	\$0	\$0
70	2019-03-09-70	HE/University of Delaware	CCI Phase I: NSF Center for Transformative Catalysis of Polymers	\$1,567,248	\$0	\$0
71	2019-03-09-71	HE/University of Delaware	Cell-Derived Microparticles and Vesicles for Transfusion-Medicine Applications and Stem-Cell Targeting Gene Therapies	\$0	\$0	\$160,256
72	2019-03-09-72	HE/University of Delaware	Large Artery Stiffening, Hypertension, and Brain Softening in Dementia: Quantifying the Influence of Pathological Hemodynamics on Cerebral Microvascular Dysfunction and Neuronal Injury	\$400,000	\$0	\$0
73	2019-03-09-73	HE/University of Delaware	A Novel Physical Therapy Administered Physical Activity Intervention after TKR	\$100,000	\$0	\$0
74	2019-03-09-74	HE/University of Delaware	Animal Performance Response to Two Rumen Protected Methionine Products	\$0	\$0	\$36,219
75	2019-03-09-75	HE/University of Delaware	Understand Recent Changes of the CO2 System and Ocean Acidification in the Western Arctic Ocean via Field Measurements from the Summer 2020 CHINARE Cruise	\$442,542	\$0	\$0
76	2019-03-09-76	HE/University of Delaware	NCS-FR: Understanding Children's Playful Learning in the Real World: A Cross-Disciplinary Approach	\$0	\$0	\$442,515
77	2019-03-09-77	HE/University of Delaware	Is Caspase-1 the Key Enzyme Regulating Mesenchymal Stem Cell Differentiation into Adipocytes Versus Osteoblasts?	\$0	\$0	\$974
78	2019-03-09-78	HE/University of Delaware	Embedded NERVE System for Intelligent Manufacturing of Multifunctional Composites for Vehicles	\$0	\$0	\$25,641

79	2019-03-09-79	HE/University of Delaware	A Randomized-Control Trial Examining the Effects of Two Concussion Prevention Interventions on Repetitive Head Impact Exposures and Anthropometric Measures in Female Youth Soccer Players	\$0	\$0	\$10,000
80	2019-03-09-80	HE/University of Delaware	Sustained Ocean Observing with Underwater Gliders Support of Hurricane Intensity Forecasts	\$835,649	\$0	\$0
81	2019-03-09-81	HE/University of Delaware	A Mobile Multispectral Imager for Flora-Bioindication of Soil Contamination	\$0	\$0	\$42,193
82	2019-03-09-82	HE/University of Delaware	RIDIR: Enabling Social-Ecological Systems Research in the Social and Behavioral Sciences	\$1,084,787	\$0	\$0
83	2019-03-09-83	HE/University of Delaware	ATD: Multi-Messenger Remote Detection of Airborne Chemical Threat	\$419,699	\$0	\$0
84	2019-03-09-84	HE/University of Delaware	National Oceanographic Partnership Program (NOPP) Augmented Data Visualization Research & Development Using Cloud-Based Systems, Containers, Functions, and vNext Display Technologies	\$429,889	\$0	\$0
85	2019-03-09-85	HE/University of Delaware	Christiana Care Health Care Services Research Amendment 3	\$0	\$0	\$17,409
86	2019-03-09-86	HE/University of Delaware	Short Fiber Preform Technology for Automotive Part Production	\$0	\$0	\$51,282
87	2019-03-09-87	HE/University of Delaware	Consulting Service Agreement Between University of Delaware and Center for Child & Family Health (CCFH)	\$0	\$0	\$4,000
88	2019-03-09-88	HE/University of Delaware	Supported Living Transition Support and Research - YR 3	\$0	\$0	\$22,169
89	2019-03-09-89	HE/University of Delaware	Oklahoma/DHHS ABC Training Contract Dozier/Roben	\$0	\$0	\$23,148
90	2019-03-09-90	HE/University of Delaware	High Energy Density Fluoride Ion Battery for Electric Vehicles	\$0	\$0	\$32,051
91	2019-03-09-91	HE/University of Delaware	Collaborative Research: Dry Rifting In the Albertine-Rhino Graben (DRIAR), Uganda	\$575,514	\$0	\$0
92	2019-03-09-92	HE/University of Delaware	CC* Integration: Software-Defined Smart Stadium	\$770,445	\$0	\$0
93	2019-03-09-93	HE/University of Delaware	Collaborative Research: Synthetic Methane Fixation Cascades Based on Engineered Membrane Vesicles for Biofuel Cell Applications	\$166,486	\$0	\$0
94	2019-03-09-94	HE/University of Delaware	Infant Stool Biomarkers in Satiety Regulation and Obesity	\$0	\$0	\$3,309
95	2019-03-09-95	HE/University of Delaware	Educational Affiliation and Biomedical Services	\$0	\$0	\$379,864
96	2019-03-09-96	HE/University of Delaware	Catalysis for a Coordination Polymerization of Fluoroolefins	\$0	\$0	\$59,707
97	2019-03-09-97	HE/University of Delaware	Millimeter-Wave Modulators for Sparse Aperture Imagers	\$0	\$0	\$28,846

98	2019-03-09-98	HE/University of Delaware	National Leadership Consortium on Developmental Disabilities Indiana Leadership Institute	\$0	\$0	\$70,000
99	2019-03-09-99	HE/University of Delaware	Implementing the Avian Monitoring Protocols for the Northern Colorado Plateau I&M Network of the National Park Service	\$38,991	\$0	\$0
100	2019-03-10-01	HE/University of Delaware	AccelNet: Advancing Understanding of the Relationships between Genome and Phenome	\$1,770,348	\$0	\$0
101	2019-03-10-02	HE/University of Delaware	Investigation of RNA Targets of the Microphthalmia/ Anophthalmia Associated RNA-Binding Protein Rbm24 in Mouse Eye Development	\$0	\$0	\$2,500
102	2019-03-10-03	HE/University of Delaware	Novel Eulerian Two-Phase Simulations for Burial Dynamics of Munitions	\$127,205	\$0	\$0
103	2019-03-10-04	HE/University of Delaware	Mobility and Burial of Variable Density Munitions in the Inner Surf and Swash Zones during Controlled Extreme Forcing	\$1,162,129	\$0	\$0
104	2019-03-10-05	HE/University of Delaware	University of Delaware Fortegra Innovation Sprint Program	\$0	\$0	\$50,000
105	2019-03-10-06	HE/University of Delaware	Collaborative Research: AccelNet: Using International Networking to Promote Understanding of Plant-Microbe-Arthropod Interactions (Full-Scale Implementation)	\$453,018	\$0	\$0
106	2019-03-10-07	HE/University of Delaware	Collaborative Research: AccelNet: Nexus for the Universe from the Solar System to Cosmology: the LSST Science Collaborations N2N	\$957,727	\$0	\$0
107	2019-03-10-08	HE/University of Delaware	Understanding the Protein: Protein Interactions Required for Virus Assembly	\$0	\$0	\$215,168
108	2019-03-10-09	HE/University of Delaware	Megakaryocyte Membrane-Wrapped Nanoparticles for Targeted Delivery of siRNA Cargo to Hematopoietic Stem Cells for Gene Regulation	\$0	\$0	\$160,258
109	2019-03-10-11	HE/University of Delaware	CK2.1, A Novel Peptide for Cartilage Repair	\$275,000	\$0	\$0
110	2019-03-10-12	HE/University of Delaware	A Study of Multisystem Interactions between Motor, Social, and Cognitive Systems in Children with and without Autism	\$2,009,212	\$0	\$0
111	2019-03-10-13	HE/University of Delaware	Soccer Heading: Characterizing Brain Injury to Support Practical Approaches to Risk Mitigation	\$0	\$0	\$62,771
112	2019-03-10-14	HE/University of Delaware	Identity-Based Stressors, Trauma, and Mental Health among Sexual Minority Women	\$0	\$0	\$9,995
113	2019-03-10-15	HE/University of Delaware	NNA Track 1 Collaborative Proposal: Water Availability and Wastewater Disposal: Challenges Facing Remote Arctic Communities in a Changing Climate	\$635,952	\$0	\$0
114	2019-03-10-16	HE/University of Delaware	Construction of Aquatic Animal Model Organism Facility	\$7,998,556	\$0	\$0
115	2019-03-10-17	HE/University of Delaware	Dissecting the Toles of Non-Muscle Myosin IIA in May-Hegglin Platelet Disorders	\$0	\$0	\$17,500
116	2019-03-10-18	HE/University of Delaware	Collaborative Research: AccelNet: US-Japan Digital Innovation (DI) Hub Linkage to Society 5.0	\$0	\$0	\$127,312

117	2019-03-10-19	HE/University of Delaware	Nurse Practitioner Residency (ANE-NPR) Program	\$0	\$0	\$187,860
118	2019-03-10-20	HE/University of Delaware	Patient-Specific Treatment Regimens Utilizing Multimodal Degradable Materials	\$0	\$0	\$600,000
119	2019-03-10-21	HE/University of Delaware	Behavioral and Computational Processes of Motor Learning in Parkinson's Disease	\$0	\$0	\$75,000
120	2019-03-16-01	HE/Delaware State University	Consortium for Laser-Based Analysis of Nuclear and Environmental Materials	\$899,511	\$0	\$0
121	2019-03-16-02	HE/Delaware State University	PhD Program in Biological Sciences to Expand Research and Training at an HBCU	\$998,689	\$0	\$0
122	2019-03-16-03	HE/Delaware State University	Molecular Mechanisms of Potato Virus Y Pathosystems Under Natural and Engineered Resistance	\$114,478	\$0	\$0
123	2017-10-07-11 Amend	HE/Delaware State University	ACCEL: Delaware Clinical and Translational Research Center	\$354,544	\$0	\$0
124	2019-03-16-04	HE/Delaware State University	Chicago Consortium on Multi-Scale Manufacturing: Discrete Solids to Engineered Films and 3-D Structures	\$452,151	\$0	\$0
125	2019-03-16-05	HE/Delaware State University	Development of Delaware's Cell Electrophysiology Resource Based at an HBCU	\$705,925	\$0	\$0
126	2019-03-16-06	HE/Delaware State University	Collaborative Research: Small State, Big Data	\$33,436	\$0	\$0
127	2019-03-16-07	HE/Delaware State University	CCRI: Medium: Enabling Pocket-Scale Data Management Research	\$222,040	\$0	\$0
128	2019-03-16-08	HE/Delaware State University	Novel Platform for Antibody Development Against Ubiquitinated Proteins	\$10,000	\$0	\$0
129	2019-03-16-09	HE/Delaware State University	Assessment of New Technologies for Purification of Shellfish	\$29,423	\$0	\$0
130	2019-03-16-10	HE/Delaware State University	2019 National Safety Transportation Institute (DelDot)	\$0	\$65,000	\$0
131	2019-03-16-11	HE/Delaware State University	Cyber Training: CIU: A Collaborative Training Model to Advance CI-Competent Research, Education and Workforce Development	\$302,509	\$0	\$0
132	2019-03-16-12	HE/Delaware State University	The Spinal Ventral Horn Interneuron Network and the Pathophysiology of SMA	\$437,997	\$0	\$0

Delaware State Clearinghouse Committee
April Agenda
April 30, 2019

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
<u>New Business*</u>									
1	3934	Department of Health and Social Services, Public Health, Community Health	Integrating Colorectal Cancer Screening	\$1,139,264	\$0	\$0	3.65	0.00	0.00
2	3935	Department of Health and Social Services, Public Health, Community Health	National Cancer Prevention and Control Program	\$1,830,266	\$517,920	\$0	8.90	2.82	0.00
3	3939	Department of Health and Social Services, Public Health, Community Health	Rural Communities Opioid Response Program	\$200,000	\$0	\$0	0.00	0.00	0.00
4	3956	Department of Health and Social Services, State Service Centers	Foster Grandparent Program	\$543,213	\$139,085	\$0	0.50	0.00	0.00
<u>Continued</u>									
5	3953	Judicial, Administrative Office of the Courts – Non-Judicial Services, Child Death Review Commission	Parent Education Abusive Head Trauma Program	\$33,000	\$10,632	\$0	0.00	0.15	0.00
6	3997	Executive, Office of Management and Budget, Food Distribution	The Emergency Food Assistance Program	\$330,000	\$95,344	\$0	1.40	2.70	0.00
7	3493 Amendment	Executive, Criminal Justice, Criminal Justice Council	Smart Policing Initiative	\$318,613	\$0	\$0	0.16	0.00	0.00
8	3952	Department of State, Libraries	Library Services and Technology Act	\$1,052,221	\$621,575	\$0	7.00	8.00	0.00
9	3940	Department of Health and Social Services, Public Health, Community Health	State Office of Rural Health	\$358,540	\$2,186,484	\$0	1.25	0.00	0.00
10	3963	Department of Health and Social Services, Public Health, Emergency Medical Services	Emergency Medical Services for Children Partnership	\$390,000	\$66,897	\$0	0.00	0.20	0.00
11	3965	Department of Health and Social Services, Public Health, Community Health	Development, Maintenance and Enhancement of Early Hearing Detection and Intervention System Surveillance Programs	\$145,870	\$0	\$0	0.00	0.00	0.00
12	2019-02-26-01	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
13	3466 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Freshwater Fisheries Management Program	\$196,572	\$65,524	\$0	0.42	0.16	0.00
14	3971	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Particulate Matter 2.5 - Air Quality Monitoring	\$507,936	\$0	\$0	1.50	0.00	0.00
15	3969	Department of Labor, Unemployment Insurance	Reemployment and Eligibility Assessment	\$646,020	\$0	\$0	9.25	0.00	0.00
16	3976	Department of Labor, Employment and Training, Employment and Training Services	Disabled Veterans' Outreach Program	\$533,990	\$0	\$0	6.00	0.00	0.00
17	3985	Department of Labor, Employment and Training, Employment and Training Services	Trade Adjustment Assistance	\$470,547	\$0	\$0	1.50	0.00	0.00
18	3977	Department of Agricultures, Plant Industries	Spotted Lanternfly Survey and Outreach	\$583,000	\$0	\$0	0.00	0.00	0.00
19	3978	Department of Agricultures, Plant Industries	Farm Bill - Honey Bee Survey	\$13,800	\$0	\$0	0.00	0.00	0.00
<u>Higher Education</u>									
1	2019-04-06-01	HE/University of Delaware	Collaborative Research: Nano-Confinement-Induced Capacitance Enhancement in Solid-State Graphene Oxide Capacitors	\$199,592	\$0	\$0			

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

2	2019-04-06-02	HE/University of Delaware	The Utilization of APEX2 Proximity Labeling, to Identify Adaptors to the Clp Proteases System in Mycobacteria	\$0	\$0	\$1,000
3	2019-04-06-03	HE/University of Delaware	Closed Loop Recycling of Composite Waste Streams into High Performance Aligned Short Fiber Composites	\$128,205	\$0	\$0
4	2019-04-06-04	HE/University of Delaware	The Effect of Spaceflight and Microgravity on Plant Defense Responses	\$0	\$0	\$44,653
5	2019-04-06-05	HE/University of Delaware	RII Track-4: Probing the Electronic States of Quantum-Confined Topological Insulator Nanostructures	\$180,609	\$0	\$0
6	2019-04-06-06	HE/University of Delaware	Prevention of PTOA via Regulation of the Cytomechanics of Chondrocytes	\$1,249,999	\$0	\$0
7	2019-04-06-07	HE/University of Delaware	ComuniCAR: A Hybrid, Caregiver-Led Communication and Mobility Intervention with Rideable Toy Cars to Facilitate Development of Cognition, Motor Skills, and Communication Potential in Children with Congenital Zika Syndrome	\$0	\$0	\$144,910
8	2019-04-06-08	HE/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	\$0	\$0	\$41,499
9	2019-04-06-09	HE/University of Delaware	Coordinated Regulatory Networks Power Early Development	\$883,049	\$0	\$0
10	2019-04-06-10	HE/University of Delaware	Biophysical Properties of the HIV-1 Capsid and its Interactions with MxB	\$0	\$0	\$104,925
11	2019-04-06-11	HE/University of Delaware	RERC on the Implementation of Communication Technologies (RERC-ICT)	\$0	\$0	\$1,532,734
12	2019-04-06-12	HE/University of Delaware	The Influence of Subsurface Ocean Dynamics on the Structure and Evolution of Marine Heat Waves	\$134,128	\$0	\$0
13	2019-04-06-13	HE/University of Delaware	RII Track-4: Unified Multi-Sensor Calibration for Autonomous Systems	\$148,611	\$0	\$0
14	2019-04-06-14	HE/University of Delaware	NIA Funds Undergarment with Partitioning Panel for Aging Male to Prevent Tinea Cruris	\$80,461	\$0	\$0
15	2019-04-06-15	HE/University of Delaware	Modeling and Control of Glycosylation	\$0	\$0	\$144,231
16	2019-04-06-16	HE/University of Delaware	Improving the Durability and Extending the Life of Transportation Infrastructure	\$0	\$0	\$229,318
17	2019-04-06-17	HE/University of Delaware	Promoting Tidal and Marine Invasive Species Awareness and Response in DE Among Diverse Stakeholders	\$0	\$0	\$4,806
18	2019-04-06-18	HE/University of Delaware	To Evaluate the Effect of Different DFM Consortia in Chickens Challenged With Clostridium Perfringens	\$0	\$0	\$15,199
19	2019-04-06-19	HE/University of Delaware	Priority 2: Rescue, Preservation and Access: Delaware Geological Survey's Atlantic OCS Sample and Data Repository FY2019 Project / Priority 3: Delaware Critical Minerals Data Inventory FY2019 3DEEP Project	\$52,660	\$0	\$0
20	2019-04-06-20	HE/University of Delaware	The Domestic Violence and Community Health Worker Project	\$0	\$0	\$150,000

21	2019-04-06-21	HE/University of Delaware	CRA MEDE Congressional Plus Up 2019	\$0	\$0	\$1,523,471
22	2019-04-06-22	HE/University of Delaware	Advancing Steel and Concrete Bridge Technology to Improve Infrastructure Performance	\$0	\$0	\$1,557
23	2019-04-06-23	HE/University of Delaware	Building Relationships between Interdisciplinary Groups and Expanding Services for Families (BRIDGES for Families)	\$1,376,504	\$0	\$0
24	2019-04-06-24	HE/University of Delaware	In Silico Prediction of Fate and Risk-Determining Properties of Per- and Polyfluoroalkyl Substances (PFAS)	\$0	\$0	\$133,143
25	2019-04-06-25	HE/University of Delaware	Understanding Social Media's Role in Public Shaming: Assessing the Impact of a Theory of Reasoned Action Inspired Intervention	\$0	\$0	\$89,560
26	2019-04-06-26	HE/University of Delaware	Developing a Robust Theory on the Origin and Development of the Carolina Bays using Numerical and Physical Modeling, Subsurface Exploration, Geochronology, Remote Sensing, and Convolutional Neural Networks	\$0	\$0	\$109,999
27	2019-04-06-27	HE/University of Delaware	NSF Intergovernmental Personnel Act (IPA) Agreement Extension 2019	\$131,188	\$0	\$0
28	2019-04-06-28	HE/University of Delaware	Collaborative Research: Low-Head Milldams as Hotspots for Denitrification and Nitrogen Consumption: Hydrologic and Biogeochemical Controls	\$332,153	\$0	\$0
29	2019-04-06-29	HE/University of Delaware	2019 American Councils DOS ECA National Security Language Initiative for Youth-Short Term Summer Programs in China	\$0	\$0	\$282,031
30	2019-04-06-30	HE/University of Delaware	RCN: Think Globally, Sample Locally - Building an International Community to Advance Urban Soil Science	\$420,585	\$0	\$0
31	2019-04-06-31	HE/University of Delaware	Nutrient Management Education Program FY 2018	\$0	\$0	\$34,483
32	2019-04-06-32	HE/University of Delaware	Mechanisms Impacting the Developmental Trajectories of Emotion-Regulation Circuitry and Pathological Anxiety During Adolescence	\$0	\$0	\$70,000
33	2019-04-06-33	HE/University of Delaware	The Foundation for Jewish Camp (FJC) and The Harry and Jeanette Weinberg Foundation (Weinberg) Evaluation of Yashar Initiative	\$0	\$0	\$145,744
34	2019-04-06-34	HE/University of Delaware	Establishment of Reference Cell Lines & Media II	\$0	\$0	\$90,000
35	2019-04-06-35	HE/University of Delaware	Predicting the spread of spotted Lantern Fly and Resulting Forest and Orchard Impacts	\$142,500	\$0	\$0
36	2019-04-06-36	HE/University of Delaware	Computational Studies Linking Particle Design to Particle Assembly/Dispersion in Dense Solutions	\$0	\$0	\$90,909
37	2019-04-06-37	HE/University of Delaware	Efficient High Order Numerical Methods Guided by Optimization Techniques for Partial Differential Equations Arising in Energy Sciences	\$0	\$0	\$402,256
38	2019-04-06-38	HE/University of Delaware	Reducing Health Disparities in SMI, Rural and Minority Populations	\$0	\$0	\$53,910
39	2019-04-06-39	HE/University of Delaware	Understanding the Energy Flow in Heterogeneous Plasmonic Catalysis	\$0	\$0	\$110,000

40	2019-04-06-40	HE/University of Delaware	Ultrastrong Fluoropolymers for High Temperature Applications	\$0	\$0	\$87,829
41	2019-04-06-41	HE/University of Delaware	Trees Stems as Sources, Sinks, and Soil Conduits of CH4 and CO2 Exchange	\$0	\$0	\$342,035
42	2019-04-06-42	HE/University of Delaware	Transcriptional Regulation of miR-1 and its Regulatory Role in Development	\$0	\$0	\$1,000
43	2019-04-06-43	HE/University of Delaware	Elucidation of the Function of MIR-31 During Early Development	\$0	\$0	\$1,000
44	2019-04-06-44	HE/University of Delaware	iManage-Sexual Wellness: Development of a Symptom-Monitoring/Self-Management Program to Improve Sexual Wellness after SCI and TBI	\$1,824,022	\$0	\$0
45	2019-04-06-45	HE/University of Delaware	Improving Social and Community Participation in Individuals following Spinal Cord Injury (SCI): Addressing Facilitators and Barriers to Community Participation with a Person-Centered Clinical Decision Support Tool	\$1,779,289	\$0	\$0
46	2019-04-06-46	HE/University of Delaware	StretchfMRI: A New Technique to Study the Brainstem Correlates of Long-Latency Responses	\$307,554	\$0	\$0
47	2019-04-06-47	HE/University of Delaware	Service Agreement between University of Delaware and Wright County Health and Human Services Minn	\$0	\$0	\$4,000
48	2019-04-06-48	HE/University of Delaware	Analysis of the Apparel-Specific Tariff Schedule and rules of Origin Provisions in U.S., EU, Canada, Japan and China's Free Trade Agreements and Trade Preference Programs	\$0	\$0	\$14,500
49	2019-04-06-49	HE/University of Delaware	Precision Polymers for Vanadium-Based Flow Battery Membranes: Towards Less Expensive, More Sustainable Alternatives to Nafion Membranes	\$0	\$0	\$90,909
50	2019-04-06-50	HE/University of Delaware	Stable Radical Scavengers and H2 Recombination Additives for PEMFC and PEMWE Membranes	\$0	\$0	\$90,909
51	2019-04-06-51	HE/University of Delaware	Carbon Dynamics across Atlantic Coastal Wetlands: Incorporating Hydrologic Extremes and Other Coastal Disturbances to Improve Earth System Models	\$0	\$0	\$83,580
52	2019-04-06-52	HE/University of Delaware	Stochastic Inference and Control of Complex Biological Networks	\$5,000	\$0	\$0
53	2019-04-06-53	HE/University of Delaware	Safety and Operational Performance of Autonomous Vehicles at Roundabouts	\$433,352	\$0	\$0
54	2019-04-06-54	HE/University of Delaware	Biochar Impact on Soil Aggregate Formation and its Underlying Mechanism	\$0	\$0	\$940
55	2019-04-06-55	HE/University of Delaware	Small Business Administration Cooperative Agreement FY18-19	\$107,034	\$0	\$0
56	2019-04-06-56	HE/University of Delaware	Coastal TAIM: Hurricane Impacts on Carbon Dynamics in the Coastal Ecosystems of Southeastern U.S.	\$0	\$0	\$121,795
57	2019-04-06-57	HE/University of Delaware	Center for Flare Gas Up-Conversion (FlaGUp)	\$2,042,134	\$0	\$0
58	2019-04-06-58	HE/University of Delaware	Geochemical Reactions of Critical Elements at Reactive Mineral-Water Interfaces in Nanopores	\$0	\$0	\$334,799

59	2019-04-06-59	HE/University of Delaware	A Patient-Centered, Nurse-Led Intervention for Medication Adherence in Individuals with Parkinson's Disease: A Pilot Study	\$0	\$0	\$9,000
60	2019-04-06-60	HE/University of Delaware	University of Delaware - Parkinson's Workshops	\$0	\$0	\$9,000
61	2019-04-06-61	HE/University of Delaware	Immediate Early Genes in Lens Aging: Implications for Cataracts	\$0	\$0	\$5,000
62	2019-04-06-62	HE/University of Delaware	Metabolic Influences on Recovery in Patients with Achilles Tendinopathy	\$968,909	\$0	\$0
63	2019-04-06-63	HE/University of Delaware	Investigating the Mechanics of Intracellular Organization using Innovative Biomaterials	\$0	\$0	\$92,000
64	2019-04-06-64	HE/University of Delaware	Integrated Corn Herbicide Program (Protocol No. 2019-01-24-08)	\$0	\$0	\$5,578
65	2019-04-06-65	HE/University of Delaware	PPO-Resistant Weed Control in XtendFlex System (Protocol No. 2019-01-N8-01)	\$0	\$0	\$7,099
66	2019-04-06-66	HE/University of Delaware	UNOLS East Coast Van Pool CY2019	\$320,546	\$0	\$0
67	2019-04-06-67	HE/University of Delaware	Fate of Cadmium and Arsenic Under Engineered Physico-Chemical Gradients in the Soil-Water-Rice Nexus	\$234,412	\$0	\$0
68	2019-04-06-68	HE/University of Delaware	Quantum Energy and Sustainable Solar Technologies (QESST) Renewal	\$0	\$0	\$145,684
69	2019-04-06-69	HE/University of Delaware	Next Generation Thin Films for High Efficiency Tandem Solar Cells	\$2,193,873	\$0	\$0
70	2019-04-06-70	HE/University of Delaware	Improving Prediction of Coastal Flooding and Groundwater Salinization for Vulnerability Assessment	\$1,377,670	\$0	\$0
71	2019-04-06-71	HE/University of Delaware	ImmuneChip: A Lymph Node on a Chip Platform	\$2,394,435	\$0	\$0
72	2019-04-06-72	HE/University of Delaware	Factors Impacting Locomotor Learning Following Stroke	\$65,768	\$0	\$0
73	2019-04-06-73	HE/University of Delaware	Resolving Run-In at the Asperity-Scale: A Roadmap to Elucidate the Fundamentals of Boundary Friction and Wear	\$0	\$0	\$45,000
74	2019-04-06-74	HE/University of Delaware	Understanding Superacid Interaction on Semiconductor/Oxide Interfaces for Mobility Enhancement in THz Applications	\$96,695	\$0	\$0
75	2019-04-06-75	HE/University of Delaware	Semantic Literature Annotation and Integrative Panomics Analysis for PTM-Disease Knowledge Network Discovery	\$239,928	\$0	\$0
76	2019-04-06-76	HE/University of Delaware	Provision of Professional Learning Services to NCCVT Teachers and Administrators to Support Curriculum Alignment to and Understanding of NGSS Standards and Instruction	\$0	\$0	\$9,183

77	2019-04-06-77	HE/University of Delaware	Bridging Attraction of Colloids Systems: A Mechanistic Understanding of Interaction between Preservative and Surfactant using Small-Angle Neutron Scattering (SANS)	\$0	\$0	\$142,314
78	2019-04-06-78	HE/University of Delaware	Biochar Activation / Contaminant Adsorption / Water Purification in a Single-Stage Graphene Membrane Reactor	\$0	\$0	\$127,882
79	2019-04-06-79	HE/University of Delaware	Ultrafast Generation and Detection of Charge and Spin Photocurrents in Engineered Quantum Materials	\$2,229,372	\$0	\$0
80	2019-04-06-80	HE/University of Delaware	NASA SBIR/STTR 2019 MSSE Testing of Lightweight, Impact-Resistant, Hybrid Composites with STF Energy Absorbing Layers	\$0	\$0	\$26,993
81	2019-04-06-81	HE/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 [University of Delaware] Co-I	\$0	\$0	\$590,152
82	2019-04-06-82	HE/University of Delaware	Photonic Millimeter-Wave Antenna Using a Glass Interposer	\$0	\$0	\$34,483
83	2019-04-06-83	HE/University of Delaware	Support for Curriculum Specialists in CCPS MS ELA	\$0	\$0	\$8,465
84	2019-04-06-84	HE/University of Delaware	Provide Instructional Support to Cecil County Public Schools Middle School Teachers Implementing a New ELA Curriculum	\$0	\$0	\$31,655
85	2019-04-06-85	HE/University of Delaware	NSF INCLUDES Alliance: Collaborative Research: Using Real-World STEM Problems to Increase Minority Participation and Build Community Capacity through Transdisciplinary Scholarship in Post Disaster Situations (STEM IMPACTS Disasters)	\$1,073,505	\$0	\$0
86	2019-04-06-86	HE/University of Delaware	SHF: Small: PAW: Novel functionality in Programming Models to Productively Abstract Wavefront Parallel Pattern	\$16,000	\$0	\$0
87	2019-04-06-87	HE/University of Delaware	Effects of Prenatal Opioid Exposure on Infant Autonomic Physiology	\$186,720	\$0	\$0
88	2019-04-06-88	HE/University of Delaware	Travel Supplement for 2019 Knauss Fellows	\$10,000	\$0	\$0
89	2019-04-06-89	HE/University of Delaware	DE Shellfish Aquaculture: Training to Support an Emerging Industry	\$0	\$0	\$23,928
90	2019-04-06-90	HE/University of Delaware	New Class of Permanent Magnets with Increased Stored Energy Density	\$0	\$0	\$41,250
91	2019-04-06-91	HE/University of Delaware	Master Players Concert Series	\$0	\$0	\$1,350
92	2019-04-06-92	HE/University of Delaware	Multi-Level Analysis of Affective Inhibitory Control	\$186,720	\$0	\$0
93	2019-04-06-93	HE/University of Delaware	The Mobilizing Effects of Emphasizing the Sameness or Difference of LGBTQ Identities	\$0	\$0	\$8,831
94	2019-04-06-94	HE/University of Delaware	FY2019 State Water Resources Research Institute Program for Delaware	\$92,335	\$0	\$0
95	2019-04-13-01	HE/Delaware State University	Examining the Effect of Soak Time on the At-Vessel and Post-Release Mortality of Dusky and Sandbar Sharks in Mid-Atlantic Gillnet Fisheries: Can Soak Time Limits Reduce Mortality?	\$195,197	\$0	\$0

96	2019-04-13-02	HE/Delaware State University	Research and Engineering Program 2019	\$2,000	\$0	\$0
97	2019-04-13-03	HE/Delaware State University	An Experiential Opportunity in the Performing Arts and STEM	\$0	\$30,000	\$0
98	2019-04-13-04	HE/Delaware State University	Title X: Family Planning and HIV Testing	\$0	\$10,000	\$0
99	2019-04-13-05	HE/Delaware State University	NSF Includes Alliance: Broadening Participation in Renewable Energy, Environmental, Food and Agricultural Sustainability	\$45,565	\$0	\$0
100	2014-05-31-05 Amendment	HE/Delaware State University	Historically Black Graduate Institutions Program	\$402,199	\$0	\$0
101	2019-03-16-03 Amendment	HE/Delaware State University	Molecular Mechanisms of Potato Virus Y Pathosystems Under Natural and Engineered Resistance	\$1,030,000	\$0	\$0

**Delaware State Clearinghouse Committee
May Agenda**

June 5, 2019

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
<u>New Business*</u>									
1	4022	Office of Management and Budget, Government Support Services, Food Distribution	The Emergency Food Assistance Program Trade Mitigation	\$109,253	\$0	\$0	0.00	0.00	0.00
2	BP 67779 Switch Fund	Department of Health and Social Services, Public Health, Community Health	BP# 67779 – Social Service Administrator				0.00	1.00	0.00
3	3647 Amendment	Department of Services for Children, Youth and Their Families, Family Services, Intake/Investigation	Child Abuse Prevention and Treatment Act	\$314,503	\$43,940	\$0	3.00	1.00	0.00
4	3998	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	\$2,300	\$0	\$0	0.20	0.00	0.00
5	3999	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	\$2,300	\$0	\$0	0.20	0.00	0.00
<u>Continued</u>									
6	3993	Executive, Criminal Justice, Criminal Justice Council	Edward Byrne Memorial Justice Assistance Grant	\$864,967	\$40,746	\$0	0.80	0.55	0.00
7	3691	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children - Breast Feeding	\$97,472	\$0	\$0	0.00	0.00	0.00
8	3946	Department of Health and Social Services, Social Services	Refugee Social Service Case Program	\$75,000	\$0	\$0	0.00	0.00	0.00
9	3949	Department of Health and Social Services, Social Services	Refugee Cash and Medical Assistance Program	\$141,960	\$0	\$0	0.01	0.00	0.00
10	3954	Department of Health and Social Services, Social Services	Social Services Block Grant	\$4,682,983	\$0	\$0	14.55	0.00	0.00
11	3979	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program	\$14,061,060	\$13,834,166	\$0	62.63	62.63	0.00
12	4010	Department of Health and Social Services, Public Health, Community Health	Promoting Adolescent Health Through School-Based Surveillance: Youth Risk Behavior Survey/School Health Profiles	\$399,628	\$0	\$0	0.00	0.00	0.00
13	3987	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's Scieaanid Research	\$67,000	\$22,620	\$0	0.12	0.01	0.00
14	3453 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Finfish Assessment Survey	\$597,411	\$199,137	\$0	1.43	0.02	0.00
15	3521 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's Fisheries Research Vessel	\$582,270	\$194,090	\$0	0.50	0.70	0.00
16	4006	Safety and Homeland Security, State Police, Executive	Asset Forfeiture/Justice	\$5,000,000	\$0	\$0	0.00	0.00	0.00
17	4007	Safety and Homeland Security, State Police, Executive	Asset Forfeiture/Treasury	\$1,500,000	\$0	\$0	0.00	0.00	0.00
18	3988	Department of Education	Adult Basic Education	\$1,783,604	\$854,681	\$0	0.10	0.00	0.00
19	3989	Department of Education	State Assessments and Related Activities	\$3,577,313	\$0	\$0	2.20	0.00	0.00
20	3990	Department of Education	Education for Homeless Children and Youth	\$298,270	\$0	\$0	0.15	0.00	0.00
21	3992	Department of Education	Title IV, Part B - 21st Century Community Learning Centers	\$5,986,198	\$0	\$0	0.80	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>

22	3994	Department of Education	Prevention and Intervention Programs for Children and Youth Who are Neglected, Delinquent or At-Risk	\$391,646	\$0	\$0	0.00	0.00	0.00	
23	3995	Department of Education	Title I Part C Migrant Education	\$347,011	\$0	\$0	1.30	0.00	0.00	
24	3996	Department of Education	Migrant Education Program Consortium Incentive	\$136,363	\$0	\$0	0.00	0.00	0.00	
25	4013	Department of Education	Title I, Part A - Improving the Academic Achievement of the Disadvantaged	\$52,020,072	\$0	\$0	2.75	0.00	0.00	
26	4015	Department of Education	Title III-English Acquisition	\$1,113,225	\$0	\$0	1.10	0.00	0.00	
27	4016	Department of Education	Title IV Part A - Student Support and Enrichment	\$5,646,128	\$0	\$0	0.00	0.00	0.00	
28	4017	Department of Education	Individuals with Disabilities Education Act, Part B, Section 611 - State Grant	\$38,070,309	\$0	\$0	10.50	0.00	0.00	
29	4018	Department of Education	Individuals with Disabilities Education Act, Part B, Section 619 - Preschool	\$1,291,639	\$0	\$0	0.00	0.00	0.00	
30	4014	Department of Education	Title II, Part A Improving Teacher Quality	\$9,857,080	\$0	\$0	2.05	0.00	0.00	
31	4019	Department of Education	Carl D. Perkins Career and Technical Education	\$5,458,959	\$0	\$0	2.57	0.00	0.00	
Higher Education										
1	4009	HE/Delaware Technical and Community College	FY19 Delaware Manufacturing Extension Partnership NIST Year 3	\$6,044,323	\$0	\$0				
2	4023	HE/Delaware Technical and Community College	FY 20 Federal Supplemental Educational Opportunity Grant - DTCC	\$447,561	\$0	\$0				
3	4024	HE/Delaware Technical and Community College	FY20 Federal Work Study DTCC	\$557,363	\$0	\$0				
4	4026	HE/Delaware Technical and Community College	FY20 PELL	\$21,631,227	\$0	\$0				
5	4027	HE/Delaware Technical and Community College	FY20 Federal Direct Student Loan Program	\$13,856,966	\$0	\$0				
6	2019-05-11-01	HE/Delaware State University	Building Students Capacity in Food Science Research Using Experiential Learning, Concepts of Food Analysis, Product Development and Sensory Evaluation	\$299,997	\$0	\$0				
7	2019-05-11-02	HE/Delaware State University	Strengthening Food and Nutrition Sciences Education Program through Global Experiential Learning and Engagement	\$109,999	\$0	\$0				
8	2019-05-11-03	HE/Delaware State University	Nutrient Composition of Indigenous African Foods Available and Consumed in the US to Develop Serving Size to Improve Food Choices and Health Outcomes	\$599,959	\$0	\$0				
9	2019-05-11-04	HE/Delaware State University	Enhance PI's Knowledge and DSU's Capacity in Food System and Food Security	\$78,813	\$0	\$0				
10	2019-05-11-05	HE/Delaware State University	Evaluation of Dover PSN	\$9,977	\$0	\$0				
11	2019-05-11-06	HE/Delaware State University	Student Experiential Learning and Faculty Preparation Opportunities in Tropical Agriculture	\$300,000	\$0	\$0				

12	2019-05-11-07	HE/Delaware State University	Agroecological and Economic Aspects of Industrial Hemp (Cannabis sativa L.) Production in Diversified Organic Crop Rotations	\$100,000	\$0	\$0
13	2019-05-11-08	HE/Delaware State University	Development of Plant Growth Promoting Caulobacter for Deployment as a Biofertilizer	\$500,000	\$0	\$0
14	2019-05-11-09	HE/Delaware State University	Managing Tuber Necrosis-Causing Viruses of Potato through tasiRNA-Mediated Virus Resistance	\$325,000	\$0	\$0
15	2019-05-11-11	HE/Delaware State University	Naked Eye Colorimetric Detection of Live Salmonella Enteridis	\$174,349	\$0	\$0
16	2019-05-11-12	HE/Delaware State University	Preparing the Future: Building Capacity for Food Safety Compliance at Farmers Market	\$130,129	\$0	\$0
17	2019-05-11-13	HE/Delaware State University	Advancing Future Food Scientists through Summer Programs	\$149,970	\$0	\$0
18	2019-05-11-14	HE/Delaware State University	Transforming Gastrointestinal Nematode (GIN) Control by Reversing Anthelmintic Resistance in Small Ruminant	\$499,998	\$0	\$0
19	2019-05-11-15	HE/Delaware State University	DE Shellfish Aquaculture: Training to Support an Emerging Industry (CBG)	\$347,833	\$0	\$0
20	2019-05-11-16	HE/Delaware State University	Spurring Economic Growth and Enhancing the Environment through the Development of an Oyster Remote Setting System in Delaware	\$7,093	\$0	\$0
21	2019-05-11-17	HE/Delaware State University	Developing an Integrated Approach to Combat Gray Mold in Strawberries	\$599,905	\$0	\$0
22	2019-05-11-18	HE/Delaware State University	Filling in the Gaps for Delaware Small Farms Crops Growers	\$248,571	\$0	\$0
23	2019-05-11-19	HE/Delaware State University	Training Students in Agricultural, Environmental and Life Sciences for the 21st Century Workforce: A Multi-1890 Land Grant Institutional Trans-Disciplinary Approach	\$100,000	\$0	\$0
24	2019-05-11-20	HE/Delaware State University	Increasing the Income Opportunities in Underserved and Limited Resource Farms through Developing of Value-Added Products Made from Specialty Crops	\$249,200	\$0	\$0
25	2019-05-11-21	HE/Delaware State University	Rapid Detection of Salmonella Using Micro-Fluidic Devices Along With Raman Spectroscopy	\$299,924	\$0	\$0
26	2019-05-11-22	HE/Delaware State University	Farm to Textile: Agriculture and Fashion Student Collaboration for Holistic Animal Use in Sustainable Farming Practices	\$28,551	\$0	\$0
27	2019-05-11-23	HE/Delaware State University	Assessing the Impacts of Sea Level Rise on Agriculture and Wetland Ecosystem Services Provisioning in DE	\$599,353	\$0	\$0
28	2019-05-11-24	HE/Delaware State University	Capacity Building to Generate Guidelines for Wise Agriculture Pollinator Management on the Delmarva Peninsula	\$484,811	\$0	\$0
29	2019-05-18-01	HE/University of Delaware	Elements: A Data Visualization and Dissemination Dashboard (DVD2) for Enhancing Interdisciplinary Research and Collaboration	\$127,684	\$0	\$0
30	2019-05-18-02	HE/University of Delaware	Composites Research, Engineering and Advanced Technology (CREATE)	\$6,017,473	\$0	\$0

31	2019-05-18-03	HE/University of Delaware	Samuel Fielding DE Sea Grant Knauss Fellowship 2020	\$71,500	\$0	\$0
32	2019-05-18-04	HE/University of Delaware	MBON Data Funding	\$0	\$0	\$3,906
33	2019-05-18-05	HE/University of Delaware	Continued Monitoring of Eroding Banks Along the South River Near Waynesboro Virginia	\$0	\$0	\$138,160
34	2019-05-18-06	HE/University of Delaware	Dietary Sodium Loading and Pulsatile Hemodynamics	\$186,432	\$0	\$0
35	2019-05-18-07	HE/University of Delaware	Mechanically-Tuned Perivascular Hydrogels to Improve Vascular Graft Patency	\$0	\$0	\$10,065
36	2019-05-18-08	HE/University of Delaware	DEI SEED Funds	\$0	\$0	\$684,547
37	2019-05-18-09	HE/University of Delaware	Finding Convergence Among Cognitive and Neuroscience Markers of Executive Function in Cancer Related Cognitive Deficits	\$0	\$0	\$47,847
38	2019-05-18-10	HE/University of Delaware	CPS: TTP Option: Medium: Collaborative Research: A Sociotechnical System Framework for Energy-Efficient Mobility	\$568,166	\$0	\$0
39	2019-05-18-11	HE/University of Delaware	Understanding Stress Effects on Quantum Confinement in Van Der Waals Heterostructures	\$204,422	\$0	\$0
40	2019-05-18-12	HE/University of Delaware	Cecil Transit and New Castle County/Cecil County Bike and Walk LOS Grant	\$0	\$0	\$8,002
41	2019-05-18-13	HE/University of Delaware	Bioinformatics Project	\$0	\$0	\$14,468
42	2019-05-18-14	HE/University of Delaware	Jennifer Joseph DE Sea Grant Knauss Fellowship 2020	\$71,500	\$0	\$0
43	2019-05-18-15	HE/University of Delaware	Alexis Maxwell DE Sea Grant Knauss Fellowship 2020	\$71,500	\$0	\$0
44	2019-05-18-16	HE/University of Delaware	USCB Populations Estimates for Participation in the 2020 Count Review Program; Provide Demographic and Analytic Knowledge by Participating in Housing Unit Address Review, Group Quarters Review and Assembling State Files for 2020 Census	\$7,554	\$0	\$0
45	2019-05-18-17	HE/University of Delaware	Optimized Response Plans Based on Traffic Predictions and Routing Choices	\$0	\$0	\$31,299
46	2019-05-18-18	HE/University of Delaware	CPS: Medium: Collaborative Research: Mutually Adaptive Vehicle Coordination in Mixed Traffic	\$393,703	\$0	\$0
47	2019-05-18-19	HE/University of Delaware	Elements: Community Portal for High-Precision Atomic Physics Data and Computation	\$401,006	\$0	\$0
48	2019-05-18-20	HE/University of Delaware	Juvenile Immune Dysregulation and How it Disrupts the Ontogeny of Social Behavior	\$0	\$0	\$250,670
49	2019-05-18-21	HE/University of Delaware	Parent Stress and Child Weight-Related Behaviors Among Families with Young Children with Autism Spectrum Disorder	\$0	\$0	\$24,754

50	2019-05-18-22	HE/University of Delaware	NAD+ Therapy for Improving Memory & Cerebrovascular Function in Patients with MCI	\$97,936	\$0	\$0
51	2019-05-18-23	HE/University of Delaware	NIJ: Improving Hot-Spots Policing: Analyzing Crime in Micro-Places	\$54,418	\$0	\$0
52	2019-05-18-24	HE/University of Delaware	Collaborative Research: Frameworks: An Open Source Software Ecosystem for Plasma Physics	\$170,967	\$0	\$0
53	2019-05-18-25	HE/University of Delaware	Elements: DISCAT 2.0: An Enhanced Information Infrastructure for Collaborative Disaster Research	\$397,763	\$0	\$0
54	2019-05-18-26	HE/University of Delaware	Core Research Program, Adaptable Sensors for Shipping Container Screening	\$0	\$0	\$192,536
55	2019-05-18-27	HE/University of Delaware	Scientific Challenges and Cost-Effective Management of Risks Associated with Implementation of Produce Safety Regulations	\$0	\$0	\$288,479
56	2019-05-18-28	HE/University of Delaware	Improving Health and Function Following Spinal Cord Injury (SCI) with a Person-Centered Clinical Decision Support Tool	\$1,748,959	\$0	\$0
57	2019-05-18-29	HE/University of Delaware	Develop Automatic Literature Mining Tool for Extracting Context Specific Glycan-Protein Information that will Enhance the Extent and Quality of Data in GlyGen	\$0	\$0	\$79,719
58	2019-05-18-30	HE/University of Delaware	Sustainable Strawberry Production on the Delmarva Peninsula	\$0	\$0	\$20,871
59	2019-05-18-31	HE/University of Delaware	Reducing Health Disparities in SMI, Rural and Minority Populations	\$0	\$0	\$126,781
60	2019-05-18-32	HE/University of Delaware	iManage-Sexual Health: Development of a Symptom-Monitoring/Self-Management Program to Improve Sexual Health after SCI and TBI	\$1,795,445	\$0	\$0
61	2019-05-18-33	HE/University of Delaware	TAMU/NSF HDBE RAPID: Understanding Risk Communication and Perceptions of Environmental Harm Following Anthropogenic Disasters: The Case of the ITC Petrochemical Fire	\$0	\$0	\$6,350
62	2019-05-18-34	HE/University of Delaware	Combating Rose Rosette Disease	\$0	\$0	\$199,280
63	2019-05-18-35	HE/University of Delaware	Linking Predator Behavior and Resource Distributions: Penguins-Directed Exploration of an Ecological Hotspot	\$383,138	\$0	\$0
64	2019-05-18-36	HE/University of Delaware	CPS: Medium: Collaborative Research: Music in Design: Encryption, Authentication and Feature Search Function in Design Files in Sound Format	\$313,056	\$0	\$0
65	2019-05-18-37	HE/University of Delaware	Implementation of the Cohesive Sediment Transport Component in FUNWAVE-TV D and Model Application for Freeport Sabine-to-Galveston PED Coastal Hazards	\$80,410	\$0	\$0
66	2019-05-18-38	HE/University of Delaware	Production of Environmentally-Acceptable BioLubricants for Hydropower Application	\$0	\$0	\$87,563
67	2019-05-18-39	HE/University of Delaware	Grand Challenge FAIR DEAL LDRD Project	\$0	\$0	\$23,925
68	2019-05-18-40	HE/University of Delaware	The Use of Polysomnography to Track Perceptual Memory Consolidation in Adults with Developmental Language Impairment	\$0	\$0	\$25,000

69	2019-05-18-41	HE/University of Delaware	Farmers Market Healthy Recipe Demonstration Project 2019	\$0	\$0	\$9,000
70	2019-05-18-42	HE/University of Delaware	Cross-Site Formative Audience Analysis Research to Facilitate Effective Outreach Efforts and Communication Strategies	\$0	\$0	\$5,410
71	2019-05-18-43	HE/University of Delaware	Investigating U.S. Clapper Rail (Rallus Crepitans) Population Connectivity and Effective Population Sizes	\$12,819	\$11,097	\$0
72	2019-05-18-44	HE/University of Delaware	BBN/ARL NS CTA #13765 PY 8 and 9 Conference Costs COTTON	\$0	\$0	\$40,099
73	2019-05-18-45	HE/University of Delaware	Temperature Profile Refinement and Centrifugal Spit Separation for Commercial-Scale Evaporation Sources	\$0	\$0	\$38,462
74	2019-05-18-46	HE/University of Delaware	Optimizing Aerial Roots for Plant Anchorage	\$0	\$0	\$270,002
75	2019-05-18-47	HE/University of Delaware	Concrete Additive Manufacturing for Fixed and Floating Offshore Wind Turbine Foundations and Towers	\$0	\$0	\$3,129
76	2019-05-18-48	HE/University of Delaware	Improving Professional Development in Mathematics by Refining the Implementation Theory that Translates Teacher Learning Into Student Learning	\$0	\$0	\$529,849
77	2019-05-18-49	HE/University of Delaware	Materials Innovation Platform: Accelerating the Design and Development of Bio-Materials	\$0	\$0	\$7,135,610
78	2019-05-18-50	HE/University of Delaware	Cost Benefits of Common Insecticide Practices Used to Prevent Soybean Pest Problems in Delaware	\$0	\$0	\$25,401
79	2019-05-18-51	HE/University of Delaware	Immersive Technologies and Digital Motion Tracking for Promoting Social-Motor Skills in Children with Autism Spectrum Disorder	\$0	\$0	\$255,178
80	2019-05-18-52	HE/University of Delaware	Biology, Management and Slowing the Spread of the Spotted Lanternfly on Grapes and Tree Fruit in the Mid-Atlantic Region	\$0	\$0	\$314,776
81	2019-05-18-53	HE/University of Delaware	LIVE: Lidar-Inertial-Visual Estimation for Robust Hazard Detection and Safe Landing	\$436,932	\$0	\$0
82	2019-05-18-54	HE/University of Delaware	SaTC: CORE: Small: Collaborative: Trustworthy Hierarchical Edge Computing	\$164,395	\$0	\$0
83	2019-05-18-55	HE/University of Delaware	Finite Rank Perturbations & Model Theory - Supplemental Funding Request	\$10,412	\$0	\$0
84	2019-05-18-56	HE/University of Delaware	Removal of Derelict Recreational Crab Pots in Delaware's Inland Bays to Reduce Terrapin and Blue Crab Mortality	\$0	\$0	\$159,918
85	2019-05-18-57	HE/University of Delaware	NIJ Roads Continue: Long-Term Patterns of Desistance Among an Active Criminal Cohort	\$476,106	\$0	\$0
86	2019-05-18-58	HE/University of Delaware	ECHO PRO Research Resource: A Developmentally-Based Measurement Science Framework for Assessing Environmental Exposure and Child Health	\$0	\$0	\$278,143
87	2019-05-18-59	HE/University of Delaware	Quantum Dots Embedded in Hyperbolic Metamaterials as Efficient Infrared Emitters	\$239,690	\$0	\$0

88	2019-05-18-60	HE/University of Delaware	Soil Microbiome Impacts on Floral Rewards and Implications for Pollinator Nutrition	\$0	\$0	\$13,633
89	2019-05-18-61	HE/University of Delaware	Investigating How Soil Health Practices Impact Subsurface Legacy Phosphorus Loss from Soil on the Delmarva Peninsula	\$0	\$0	\$13,242
90	2019-05-18-62	HE/University of Delaware	Understanding the Behavior of Complex Cyber-Physical Networks	\$476,816	\$0	\$0
91	2019-05-18-63	HE/University of Delaware	Tri-Band Radome	\$0	\$0	\$222,538
92	2019-05-18-64	HE/University of Delaware	Enantiopure Amines via Reactions of Alkylpyridinium Salts and Amines	\$0	\$0	\$42,098
93	2019-05-18-65	HE/University of Delaware	Preventing Invasive Spread and Seedbank Buildup of Herbicide-Resistant Weeds through Weed Seed Destruction at Crop Harvest	\$0	\$0	\$48,846
94	2019-05-18-66	HE/University of Delaware	Emergent Properties of Magnons Coupled to Microwave Photons	\$505,667	\$0	\$0
95	2019-05-18-67	HE/University of Delaware	New Castle County 4-H Youth Development Programming	\$0	\$0	\$84,000
96	2019-05-18-68	HE/University of Delaware	Collaborative Research: NSF HDBE: Group Response to Warnings in Smart Buildings	\$191,093	\$0	\$0
97	2019-05-18-69	HE/University of Delaware	Structurally Reconfigurable Meta-Units Enabled by Phase Transition Materials	\$287,409	\$0	\$0
98	2019-05-18-70	HE/University of Delaware	Reactive Extrusion During 3D Printing of Vitrimers for Next Generation Green Manufacturing	\$332,460	\$0	\$0
99	2019-05-18-71	HE/University of Delaware	Understanding Surface Chemistry of TiO2 Grown by Atomic Layer Deposition for High Performance Solar Cells and Thin Film Transistors	\$488,732	\$0	\$0
100	2019-05-18-72	HE/University of Delaware	Administrative Supplement to Toolkit for Fast, Multipurpose and Inducible Bioorthogonal Chemistry, R01 GM132460-01, Purchase of FPLC System	\$32,564	\$0	\$0
101	2019-05-18-73	HE/University of Delaware	Stewardship Assistant Intern	\$0	\$0	\$5,000
102	2019-05-18-74	HE/University of Delaware	Understanding and Enhancing Proprioception via Model-Based Human-Robot Interactions	\$499,383	\$0	\$0
103	2019-05-18-75	HE/University of Delaware	Using Computational Fluid Dynamics (CFD) Modeling to Solve Industrial Challenges Facing DuPont	\$25,328	\$0	\$0
104	2019-05-18-76	HE/University of Delaware	NCAA-DoD Grand Alliance: Concussion Assessment, Research and Education (CARE) Consortium - Longitudinal Clinical Study Core (CSC)	\$0	\$0	\$102,256
105	2019-05-18-77	HE/University of Delaware	Material Culture Conservation Education and Training	\$350,000	\$0	\$0
106	2019-05-18-78	HE/University of Delaware	Slick yet Stuck? The Origins, Limitations, and Implications of Extreme Cartilage Adhesion	\$239,278	\$0	\$0

107	2019-05-18-79	HE/University of Delaware	Microbial Inoculants for the Improvement of Alfalfa Crop Productivity and Health	\$0	\$0	\$11,208
108	2019-05-18-80	HE/University of Delaware	Methane Storage with Porous Cage-Based Composite Materials	\$198,821	\$0	\$0
109	2019-05-18-81	HE/University of Delaware	Understanding Child Care Decision-Making for Families who have Young Children with Disabilities: An Explanatory Mixed Methods Study	\$50,000	\$0	\$0
110	2019-05-18-82	HE/University of Delaware	Examining Parental Child Care Decision-Making: A Mixed Methods Study of Parental Search Strategies	\$50,000	\$0	\$0
111	2019-05-18-83	HE/University of Delaware	Examination of Post-Deepening Modifications in Delaware River Bottom Sediments in Areas of Core Sturgeon Occupancy	\$0	\$0	\$29,199

**Delaware State Clearinghouse Committee
June Agenda**

June 27, 2019

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<u>New Business*</u>									
1	3842 Amendment	Executive, Criminal Justice, Criminal Justice Council	Victims of Crime Act - Victims Assistance	\$0	\$0	\$0	12.50	0.00	0.00
2	2019-04-15-03	Executive, Delaware State Housing Authority	Performance Based Contract Administrator Program	\$40,979,104	\$0	\$0	0.00	0.00	7.50
3	4098	Department of Health and Social Services, Administration, Management Services	SNAP Fraud Framework Implementation	\$729,680	\$0	\$0	0.00	0.00	0.00
4	3968	Department of Health and Social Services, Public Health, Community Health	Immunization and Vaccines for Children Program	\$2,281,989	\$0	\$0	15.40	0.00	0.00
5	4051	Department of Health and Social Services, Child Support Services	Child Support Enforcement	\$23,232,164	\$11,152,739	\$0	133.98	69.02	0.00
<u>Continued</u>									
6	4034	Executive, Criminal Justice, Criminal Justice Council	Family Violence Prevention and Services Act	\$815,452	\$10,196	\$193,670	0.60	0.10	0.00
7	2019-04-15-01	Executive, Delaware State Housing Authority	Housing Choice Vouchers (Moving to Work) Program	\$8,467,980	\$0	\$0	1.00	0.00	17.00
8	2019-04-15-02	Executive, Delaware State Housing Authority	Family Unification Program	\$324,393	\$0	\$0	0.00	0.00	0.00
9	2019-04-16-01	Executive, Delaware State Housing Authority	Public Housing Capital Program - Moving to Work	\$963,882	\$0	\$0	0.00	0.00	2.00
10	2019-04-16-02	Executive, Delaware State Housing Authority	Public Housing Operations Program – Moving to Work	\$2,771,100	\$0	\$150,000	0.00	0.00	19.80
11	2019-04-23-01	Executive, Delaware State Housing Authority	Community Development Block Grant	\$2,380,912	\$0	\$0	1.00	0.00	0.00
12	2019-04-23-02	Executive, Delaware State Housing Authority	Housing Opportunities for Persons with AIDS	\$300,043	\$0	\$0	0.00	0.00	0.00
13	2019-04-23-03	Executive, Delaware State Housing Authority	Emergency Solutions Grants Program	\$214,062	\$0	\$0	0.00	0.00	0.00
14	2019-04-23-04	Executive, Delaware State Housing Authority	HOME Investment Partnership	\$3,005,732	\$0	\$0	0.00	0.00	1.00
15	2019-04-23-05	Executive, Delaware State Housing Authority	Housing Trust Fund	\$3,000,000	\$0	\$0	0.00	0.00	0.50
16	4032	Department of State, Regulation and Licensing, Public Service Commission	Pipeline Safety One Call	\$9,398	\$0	\$0	0.00	0.00	0.00
17	4030	Department of State, Arts, Office of the Director	Promotion of the Arts – Partnership Agreement	\$693,600	\$3,358,891	\$75,000	3.00	5.00	0.00
18	3991	Department of Health and Social Services, State Service Centers	Low-Income Home Energy Assistance Program	\$13,000,000	\$0	\$0	1.87	0.00	0.00
19	4008	Department of Health and Social Services, Social Services	Temporary Assistance for Needy Families - Contingency	\$3,582,263	\$0	\$0	0.00	0.00	0.00
20	3970	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
21	3972	Department of Health and Social Services, Social Services	Child Care Development Fund - Discretionary	\$13,902,293	\$0	\$0	9.87	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>

22	4021	Department of Health and Social Services, Social Services	Temporary Assistance for Needy Families	\$32,290,981	\$29,028,092	\$0	126.39	0.00	0.00
23	4100	Department of Health and Social Services, Administration, Management Services	Infants and Toddlers with Disabilities	\$2,247,675	\$5,750,300	\$0	8.00	33.50	0.00
24	3967	Department of Health and Social Services, Public Health, Community Health	National Environmental Information Exchange Network	\$200,000	\$0	\$0	0.00	0.00	0.00
25	4000	Department of Health and Social Services, Public Health, Community Health	Public Health Approaches to Ensuring Quiltline Capacity	\$37,500	\$0	\$0	0.00	0.00	0.00
26	4028	Department of Health and Social Services, Public Health, Community Health	Sudden Death in the Young Registry	\$223,928	\$0	\$0	0.00	0.00	0.00
27	4050	Department of Health and Social Services, Child Support Services	Child Support Enforcement Incentive	\$1,438,997	\$0	\$0	22.00	0.00	0.00
28	4043	Department of Health and Social Services, State Service Centers	AmeriCorps-State Competitive	\$299,568	\$0	\$361,974	0.00	0.00	0.00
29	4053	Department of Services for Children, Youth and Their Families, Prevention and Behavioral Health Services, Prevention/Early Intervention	Linking Actions for Unmet Needs in Children's Health	\$800,000	\$0	\$0	0.00	0.00	0.00
30	4054	Department of Services for Children, Youth and Their Families, Prevention and Behavioral Health Services, Prevention/Early Intervention	Suicide Prevention and Early Intervention Project	\$736,000	\$0	\$0	0.00	0.00	0.00
31	3446 Amendment	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Adoption Incentive Payments Program	\$323,000	\$0	\$0	0.00	0.00	0.00
32	3924 Amendment	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Adoption Incentive Payments Program	\$107,000	\$0	\$0	0.00	0.00	0.00
33	2979 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	State Wildlife Management Area Enhancement	\$112,500	\$37,500	\$0	0.00	0.00	0.00
34	4029	Department of Natural Resources and Environmental Control, Office of the Secretary, Office of Innovation and Technology Services	Environmental Information Exchange Network	\$197,917	\$0	\$0	0.00	0.00	0.00
35	3037 Amendment	Department of Natural Resources and Environmental Control, Office of the Secretary, Energy and Climate	Weatherization Assistance Program	\$717,370	\$0	\$0	0.00	0.00	0.00
36	3986	Department of Labor, Employment and Training, Employment and Training Services	Trade Adjustment Assistance	\$267,093	\$0	\$0	1.60	0.00	0.00
37	4042	Department of Labor, Employment and Training, Employment and Training Services	Workforce Investment Act - Adult	\$2,103,279	\$0	\$0	10.72	0.00	0.00
38	4044	Department of Labor, Employment and Training, Employment and Training Services	Workforce Investment Act - Dislocated Worker	\$2,462,908	\$0	\$0	12.73	0.00	0.00
39	4045	Department of Labor, Employment and Training, Employment and Training Services	Workforce Investment Act-Youth	\$2,209,670	\$0	\$0	3.90	0.00	0.00
40	4046	Department of Labor, Employment and Training, Employment and Training Services	Wagner-Peyser Act, Employment Services	\$1,858,689	\$0	\$0	18.60	0.00	0.00
41	4049	Department of Agriculture, Pesticides	Performance Partnership Grant	\$372,499	\$83,025	\$0	2.00	0.88	0.00
42	2019-04-09-01	Department of Education	National Assessment of Educational Progress State Coordinator	\$898,936	\$0	\$0	1.00	0.00	0.00
43	2019-05-01-01	Department of Education	State Approving Agency	\$381,205	\$0	\$0	0.33	0.00	0.00
Higher Education									
1	2019-06-08-01	HE/University of Delaware	Development of a Thermodynamically Consistent Rheological Constitutive Equation for Thixotropic Suspensions Connecting Particle Properties to Thermodynamics and Rheology	\$24,873	\$0	\$0			
2	2019-06-08-02	HE/University of Delaware	Mitigation of Bridge Deck Cracking	\$0	\$0	\$141,608			

3	2019-06-08-03	HE/University of Delaware	High-Resolution and Time-Lapse Imaging of Glioblastoma Stem Cell Invasion into Brain	\$0	\$0	\$250,000
4	2019-06-08-04	HE/University of Delaware	Collaborative Research: INFER: An Institute for Exploratory and Reproducible Inference from Large-Scale Image Data	\$0	\$0	\$134,717
5	2019-06-08-05	HE/University of Delaware	Nation Resource for Translating Biomedical Unstructured Data	\$0	\$0	\$456,980
6	2019-06-08-06	HE/University of Delaware	GCR: Life Cycle Management of Materials: Sustainable Biomass to Designer Polymer Systems	\$2,334,569	\$0	\$0
7	2019-06-08-07	HE/University of Delaware	SMILES: Secondary Mathematics, In-The-Moment, Longitudinal Engagement Study	\$0	\$0	\$1,923
8	2019-06-08-08	HE/University of Delaware	HHS CDS CORE FY19 Supplement	\$21,296	\$0	\$0
9	2019-06-08-09	HE/University of Delaware	Stacked Intermediaries and Policy Use of Research-Based Evidence	\$0	\$0	\$74,249
10	2019-06-08-10	HE/University of Delaware	Delaware SEU Energy Assessment Program	\$0	\$0	\$77,770
11	2019-06-08-11	HE/University of Delaware	TAMU/NIH Superfund Horney - Supplement	\$0	\$0	\$41,032
12	2019-06-08-12	HE/University of Delaware	PIC: On-Chip Optical Diffractive Computation Unit	\$279,622	\$0	\$0
13	2019-06-08-13	HE/University of Delaware	Collaborative Research: ProteoCell: the Fat Free Cell	\$478,339	\$0	\$0
14	2019-06-08-14	HE/University of Delaware	Function and Regulation of Wnt Signaling in Development and Disease	\$1,598,780	\$0	\$0
15	2019-06-08-15	HE/University of Delaware	System Optimization Opportunities due to Vehicle Connectivity and Automation	\$15,885	\$0	\$0
16	2019-06-08-16	HE/University of Delaware	Flow of Structuring Gels	\$0	\$0	\$32,051
17	2019-06-08-17	HE/University of Delaware	High Energy Astrophysics Neutrino and Ultra-High Energy Cosmic Ray Study	\$26,568	\$0	\$0
18	2019-06-08-18	HE/University of Delaware	Regional Center Plant Diagnostic Facility - National Plant Diagnostic Network for the Food and Agriculture Defense Initiative	\$0	\$0	\$20,773
19	2019-06-08-19	HE/University of Delaware	Coupling Electron and Proton Kinetic Physics in the Solar Wind	\$603,307	\$0	\$0
20	2019-06-08-20	HE/University of Delaware	Theoretical and Observational Studies to Enable Advanced Data Interpretation for Parker Solar Probe and Solar Orbiter	\$534,985	\$0	\$0
21	2019-06-08-21	HE/University of Delaware	Collaborative Research: Predicting Current-Use Pesticides and Emerging Flame Retardants in a Changing Arctic - Fate and Phototransformation	\$22,754	\$0	\$0

22	2019-06-08-22	HE/University of Delaware	Certificate in Data Science & Analytics for JPMC Employees	\$0	\$0	\$150,460
23	2019-06-08-23	HE/University of Delaware	University of Maryland Baltimore/SAMHSA ABC Training Contract Dozier/Roben 19	\$0	\$0	\$6,481
24	2019-06-08-24	HE/University of Delaware	Heating of Ions in the Low-Beta Compressible Solar Wind	\$0	\$0	\$162,834
25	2019-06-08-25	HE/University of Delaware	ABC Training Contract Dozier/Roben 19	\$0	\$0	\$32,408
26	2019-06-08-26	HE/University of Delaware	Design and Implement Program for 200 Leaders and Managers in Providence, Rhode Island Public Schools	\$0	\$0	\$193,449
27	2019-06-08-27	HE/University of Delaware	Implementation of Function and Behavior Focused Care for Assisted Living Residents with Dementia	\$0	\$0	\$428,457
28	2019-06-08-28	HE/University of Delaware	Habitat Use of Mobile Predators in the New York Offshore Wind Energy Areas	\$0	\$0	\$320,358
29	2019-06-08-29	HE/University of Delaware	REU Site: Summer REU Program in Marine Science at the University of Delaware	\$8,274	\$0	\$0
30	2019-06-08-30	HE/University of Delaware	NIH Renewal PT/PHD Predoctoral Training Program	\$1,991,987	\$0	\$0
31	2019-06-08-31	HE/University of Delaware	Acquisition of Goods and Services: Laboratory Support for the Brown Marmorated Stink Bug, Spotted Wing Drosophila, Spotted Lantern Fly and Other Targets as Required	\$9,091	\$0	\$0
32	2019-06-08-32	HE/University of Delaware	Low Bandgap CIGS Solar Cells for CIGS/CdTe Tandem Solar Cells	\$0	\$0	\$63,918
33	2019-06-08-33	HE/University of Delaware	Experimental Investigation of Unsaturated Silty Clays for Fundamental Understanding of Transitional Soil Behavior	\$213,783	\$0	\$0
34	2019-06-08-34	HE/University of Delaware	ONR Defense University Research Inst FY2020 - Swallow	\$194,561	\$0	\$0
35	2019-06-08-35	HE/University of Delaware	To Evaluate the Effect of Different DFM Consortia in Chickens Challenged with Clostridium Perfringens to Induce Necrotic Enteritis	\$0	\$0	\$15,199
36	2019-06-08-36	HE/University of Delaware	Reconfigurable Confocal Nanoscope for Hybrid Silicon Photonics	\$332,619	\$0	\$0
37	2019-06-08-37	HE/University of Delaware	Hero Help Case Manager	\$0	\$0	\$11,475
38	2019-06-08-38	HE/University of Delaware	Investigation of Anastatus as Potential Biocontrol Agents of Lycorma Delicatula and Other Hemiptera Including Potential Non-Target Organisms	\$53,213	\$0	\$0
39	2019-06-08-39	HE/University of Delaware	Acquisition of Goods and Services: Conducting Research on Biological Control of Invasive Insect Pests, Including (but not limited to) Brown Marmorated Stink Bug	\$18,000	\$0	\$0
40	2019-06-08-40	HE/University of Delaware	Exposure of Nocturnally Migrating Birds to Current and Future Wind-Energy Development in the Northeast United States	\$0	\$0	\$17,175

41	2019-06-08-41	HE/University of Delaware	Victimization and Offending among Latinos: Examining Immigration Status and Cultural Factors.	\$0	\$0	\$66,072
42	2019-06-08-42	HE/University of Delaware	Engineering a Platform Pathway for Non-Standard Aromatic Amino Acid Biosynthesis	\$195,667	\$0	\$0
43	2019-06-08-43	HE/University of Delaware	Direct Digital Manufacturing for High Power/High Temperature Wideband Ceramic Radomes	\$500,000	\$0	\$0
44	2019-06-08-44	HE/University of Delaware	Photonic Integrated Circuit Test and Characterization System	\$619,405	\$0	\$0
45	2019-06-08-45	HE/University of Delaware	Delaware Space Grant College and Fellowship Program Training Grant Augmentation	\$44,864	\$0	\$0
46	2019-06-08-46	HE/University of Delaware	Collaborative Research: Physics of Dune Erosion during Extreme Surge and Wave Events REU	\$7,500	\$0	\$0
47	2019-06-08-47	HE/University of Delaware	Optimizing Biofuel Production in Sorghum: Stability vs. Digestibility	\$1,969,240	\$0	\$0
48	2019-06-08-48	HE/University of Delaware	New Chemical Transformations For Bioactive Molecule Synthesis	\$2,045,655	\$0	\$0
49	2019-06-08-49	HE/University of Delaware	Coaching and Professional Learning Support to Laurel School District Elementary School Teachers Implementing Bookworms K-5 Reading and Writing	\$0	\$0	\$43,832
50	2019-06-08-50	HE/University of Delaware	Coaching for Social Studies, Science and English Language Arts Teachers at Laurel HS	\$0	\$0	\$9,391
51	2019-06-08-51	HE/University of Delaware	Coaching for Social Studies, Science and English Language Arts Teachers at Laurel MS	\$0	\$0	\$18,777
52	2019-06-08-52	HE/University of Delaware	Mesenchymal Stem Cells in Knee Osteoarthritis	\$0	\$0	\$298,411
53	2019-06-08-53	HE/University of Delaware	Port of Albany-Rensselaer Sturgeon Monitoring Project	\$0	\$0	\$30,837
54	2019-06-08-54	HE/University of Delaware	QII-TAQS: Generating Correlated Black-Body Radiation for Nanophotonic Quantum Heat Exchanger	\$0	\$0	\$89,970
55	2019-06-08-55	HE/University of Delaware	Career: Towards a Greener Dyeing Industry using Historical Practices; Elucidation of Metal (Mordant)-Dye Interactions and Surface Analysis of Textiles	\$397,589	\$0	\$0
56	2019-06-08-56	HE/University of Delaware	Live-Cell, Quantum-Dot-Based Tracking of Plant & Microbial Extracellular Vesicles	\$1,906,612	\$0	\$0
57	2019-06-08-57	HE/University of Delaware	Genetic and Cellular Dissection of Mutualistic Plant-Microbe Symbioses in Medicago Truncatula	\$0	\$0	\$63,583
58	2019-06-08-58	HE/University of Delaware	Implementing the Land Bird Monitoring Protocol for the National Park Service Units of the National Capital Region Network	\$78,175	\$0	\$0
59	2019-06-08-59	HE/University of Delaware	The Attribute Alignment Framework: A Novel Solution to Team Aggregation	\$305,928	\$0	\$0

60	2019-06-08-60	HE/University of Delaware	SHF: Medium: Collaborative Research: Fine-Grain Multithreading through Hardware/Software Co-Design	\$17,000	\$0	\$0
61	2019-06-08-61	HE/University of Delaware	New Approach for Low Cost Fuel Cells for High Volume Applications	\$0	\$0	\$15,703
62	2019-06-08-62	HE/University of Delaware	Advanced Technology Development of a Heavy Crude Oil Distillation Process	\$0	\$0	\$3,153
63	2019-06-08-63	HE/University of Delaware	Impacts of Land Cover and Land Use Change on Land-Ocean Carbon Fluxes and Coastal Carbon Cycling in the Gulf of Mexico and Southeastern U.S.	\$0	\$0	\$158,690
64	2019-06-08-64	HE/University of Delaware	Addressing Cote d'Ivoire's Learning Crisis through Family- and School- Based Interventions	\$0	\$0	\$148,101
65	2019-06-08-65	HE/University of Delaware	Predictors and Mechanisms of Post-Concussion Musculoskeletal Injuries	\$0	\$0	\$978,635
66	2019-06-08-66	HE/University of Delaware	Mammary Carcinogenesis: Pubertal and Adult Effects of High Fat Diet + Oxybenzone	\$0	\$0	\$34,786
67	2019-06-08-67	HE/University of Delaware	Department of Health and Human Services New Directions Early Head Start Year 23	\$2,465,776	\$0	\$0
68	2019-06-08-68	HE/University of Delaware	Department of Health and Human Services New Directions Early Head Start Year 23	\$42,696	\$0	\$0
69	2019-06-08-69	HE/University of Delaware	Development of Rail Wear Analysis Framework	\$75,918	\$0	\$0
70	2019-06-08-70	HE/University of Delaware	FDSS: Interdisciplinary Cluster Hire in the Space Sciences at the University of Delaware	\$930,020	\$0	\$0
71	2019-06-08-71	HE/University of Delaware	MODULUS: Collaborative Research: Generalized Fluctuation Tests for Deciphering Stochastic Phenotypic Switching within Cell Populations	\$148,990	\$0	\$0
72	2019-06-08-72	HE/University of Delaware	Building a Validation and Verification Suite for Open MP 4.5	\$55,172	\$0	\$0
73	2019-06-08-73	HE/University of Delaware	Interface and Electrode Engineering for Durable, Low Cost Alkaline Anion Exchange Membrane Electrolyzers	\$0	\$0	\$125,074
74	2019-06-08-74	HE/University of Delaware	A Theoretical Model to Predict Drug Release A Priori from Polymer Rods	\$0	\$0	\$79,385
75	2019-06-08-75	HE/University of Delaware	Intervening with Opioid-Dependent Mothers Living in Poverty: Effects on Mothers' and Infants' Behavioral and Biological Regulation	\$2,348,293	\$0	\$0
76	2019-06-08-76	HE/University of Delaware	Implementation and Advancement of Sea Grant Network Visioning Priorities: A Plan to Address Changing Demographics and Stakeholder Needs by Delaware Sea	\$28,900	\$0	\$0
77	2019-06-08-77	HE/University of Delaware	Financial Well Being Research with the CFPB	\$69,604	\$0	\$0

78	2019-06-08-78	HE/University of Delaware	CHEER OAA Title III	\$0	\$0	\$68,756
79	2019-06-08-79	HE/University of Delaware	Coaching and Professional Learning Support to Mathematics Teachers at Laurel Elementary School to Support Curriculum Implementation	\$0	\$0	\$22,099
80	2019-06-08-80	HE/University of Delaware	Coaching and Professional Learning Support to Mathematics Teachers at Laurel Middle School to Support Curriculum Implementation	\$0	\$0	\$20,557
81	2019-06-08-81	HE/University of Delaware	The Effect of Offshore Wind Power Projects on Coastal Land Owners: A Discrete Choice Experiment in the Mid-Atlantic Region of the USA	\$0	\$0	\$74,329
82	2019-06-08-82	HE/University of Delaware	Collaborative Research: Engineering Catalyst Materials for Carbon Utilization	\$233,773	\$0	\$0
83	2019-06-08-83	HE/University of Delaware	Porting the MPS/University of Chicago Radiative MHD Models to GPUs Using Open ACC	\$0	\$0	\$3,952
84	2019-06-08-84	HE/University of Delaware	Physical and Psychosocial Impact of Chronic Low Back Pain with Lower-Limb Loss	\$0	\$0	\$30,000
85	2019-06-08-85	HE/University of Delaware	Development and Assessment of an Interactive Food Investigation Challenge for Instruction and Outreach	\$104,955	\$0	\$0
86	2019-06-08-86	HE/University of Delaware	Establishment of Innovative Therapies for Morquio Syndrome Type A	\$0	\$0	\$44,510
87	2019-06-08-87	HE/University of Delaware	Correlation of Chronic Lower Extremity Pain, Physical Activity, and Fall Risk in Community-Dwelling Older Adults	\$0	\$0	\$50,897
88	2019-06-08-88	HE/University of Delaware	Beginning Farmer Workshops	\$0	\$0	\$14,690
89	2019-06-08-89	HE/University of Delaware	BME Predoctoral Training Program: Multi-Scale Biomechanics and Mechanobiology	\$1,724,909	\$0	\$0
90	2019-06-08-90	HE/University of Delaware	NAHLN Member Laboratory Work Plan FY19	\$124,545	\$0	\$0
91	2019-06-08-91	HE/University of Delaware	Radio America Production of Educational Audio and Video Features for the Center for Economic Educations & Entrepreneurship	\$0	\$0	\$50,455
92	2019-06-08-92	HE/University of Delaware	Disparities in Language Development: Role of Immune Response to Chronic Stress on Parent Language Input and Child Language Learning	\$1,961,187	\$0	\$0
93	2019-06-08-93	HE/University of Delaware	Macromolecular X-Ray Crystallographic Data Collection System	\$580,196	\$0	\$0
94	2019-06-08-94	HE/University of Delaware	A Balancing Act: Later-Life Multisensory Integration and Contact Sport Participation	\$628,000	\$0	\$0
95	2019-06-08-95	HE/University of Delaware	Development of a Screening Resource for Pediatric Mild Traumatic Brain Injury Patients	\$0	\$0	\$261,560
96	2019-06-08-96	HE/University of Delaware	Quantifying Short and Long Term Adverse Effects of Radiofrequency Ablation for Facet Joint Pain	\$0	\$0	\$311,345

97	2019-06-08-97	HE/University of Delaware	Analysis of the MMS Observations in the Solar wind	\$63,912	\$0	\$0
98	2019-06-08-98	HE/University of Delaware	Collaborative Research: Natural Hazard Resilient Buildings through Microengineered Watertight Self-healing Facades	\$137,481	\$0	\$0
99	2019-06-08-99	HE/University of Delaware	Supplementary Funds for the Workshop "Emergent Trends In Complex Function TheoryY"	\$22,000	\$0	\$0
100	2019-06-09-01	HE/University of Delaware	Treatment of Stress-Related Psychopathology: Targeting Maladaptive and Adaptive Event Processing	\$0	\$0	\$802,887
101	2019-06-09-02	HE/University of Delaware	Development and Validation of the COMM-PRO: A Patient-Reported Outcomes Measurement Information System for Adults with Communication Disorders	\$2,600,722	\$0	\$0
102	2019-06-09-03	HE/University of Delaware	Data Management and Storage System for Shared Resource Facilities	\$739,189	\$0	\$0
103	2019-06-09-04	HE/University of Delaware	Imaging of Primary Cilia in Inflammatory Microenvironments	\$128,172	\$0	\$0
104	2019-06-09-05	HE/University of Delaware	Enhancement of Scene Projector Evaluation And Research Facility (SPEAR) to Benefit Test and Evaluation Science and Enhance Ongoing Projects with Air Force and PEO STRI	\$577,383	\$0	\$0
105	2019-06-09-06	HE/University of Delaware	Lagrangian Metrics for the Identification and Prediction of Loop Current Eddy Shedding Events	\$0	\$0	\$189,087
106	2019-06-09-07	HE/University of Delaware	Determinants of Concussion Recovery and Predictors of Subsequent Musculoskeletal Injuries	\$0	\$0	\$74,762
107	2019-06-09-08	HE/University of Delaware	Emergent Properties of Magnons Coupled to Microwave Photons	\$298,408	\$0	\$0
108	2019-06-09-09	HE/University of Delaware	Evaluating the Policy Impact of Healthy Default Beverages in Children's Meals: Cross-State Comparison (DE)	\$0	\$0	\$22,320
109	2019-06-09-10	HE/University of Delaware	Development of a Seismic Microzoning Map of Iso-Periods for Bayamon, Puerto Rico	\$64,845	\$0	\$0
110	2019-06-09-11	HE/University of Delaware	Chincoteague Inlet Modeling Study Phase I	\$0	\$0	\$60,000
111	2019-06-09-12	HE/University of Delaware	VA IPA Post-Incarceration Engagement (PIE) Project - Visher	\$12,700	\$0	\$0
112	2019-06-09-13	HE/University of Delaware	A Summit to Establish the Policy and Leadership Scholarship Acceleration Collaborative (PALSAC)	\$0	\$0	\$50,000
113	2019-06-09-14	HE/University of Delaware	Professional Learning and Coaching Support in Bookworms K-5 Reading and Writing to Four Elementary Schools Implementing the Curriculum for the First Time	\$0	\$0	\$19,529
114	2019-06-09-15	HE/University of Delaware	RAISE: C-ACCEL Pilot Track B1 / Preparing U.S. Apparel Manufacturing for Future of Work	\$0	\$0	\$158,583
115	2019-06-09-16	HE/University of Delaware	Bill and Melinda Gates Foundation, Professional Learning Partnership Study	\$0	\$0	\$1,388,441

116	2019-06-09-17	HE/University of Delaware	Integrated RF Photonic Devices and Systems for High-Value-Airborne-Assets	\$661,422	\$0	\$0
117	2019-06-09-18	HE/University of Delaware	Understanding and Improving the Intersection between Family Child Care and State Early Childhood Systems: A Mixed Methods Study of Licensing and QRIS in Alabama	\$0	\$0	\$165,228
118	2019-06-09-19	HE/University of Delaware	Hate Crime, Bias Events, and Immigrant Health: Exploring the Role of Cultural Factors among Latino Adults	\$0	\$0	\$182,708
119	2019-06-09-20	HE/University of Delaware	Understanding Toughness and Strength of Van der Waals Heterostructures	\$196,620	\$0	\$0
120	2019-06-09-21	HE/University of Delaware	Topological Methods for Neuroimaging Analysis	\$0	\$0	\$5,000
121	2019-06-09-22	HE/University of Delaware	Development of Blood-Based Biomarkers for Parkinson's Disease	\$275,000	\$0	\$0
122	2019-06-09-23	HE/University of Delaware	Development and Assessment of an Interactive Food Investigation Challenge for Instruction and Outreach	\$0	\$0	\$23,456
123	2019-06-09-24	HE/University of Delaware	Loop Current Slope Interaction: Low-Cost Mooring Observations and Computational Study	\$0	\$0	\$244,547
124	17-10-07-11 Amendment	HE/Delaware State University	ACCEL Pilot: Sickle Cell Anemia Pilot Project "SCAPP" Program (Amendment)	\$58,386	\$0	\$0
125	2019-06-15-05	HE/Delaware State University	Award for Light Sheet Microscope (INBRE Supplement)	\$71,040	\$0	\$0
126	2019-06-15-06	HE/Delaware State University	DE Native American Beginning Farmer Education Initiative	\$446,272	\$0	\$0
127	2019-06-15-07	HE/Delaware State University	Examination of Post-Deepening Modification in Delaware River Bottom Sediments in Areas of Core Sturgeon Occupancy	\$23,481	\$0	\$0
128	2019-06-15-08	HE/Delaware State University	Characterizing the Ecological Role of Apex Predators in the Delaware Bay Ecosystem and Their Potential Impacts on Managed Species (DE Sea Grant)	\$15,622	\$0	\$0
129	2019-06-15-09	HE/Delaware State University	DSU Empty Bowl Project	\$1,000	\$0	\$0
130	2019-06-15-10	HE/Delaware State University	Opioid Workforce Program	\$1,350,000	\$0	\$0
131	2019-06-15-11	HE/Delaware State University	The Importance of Delaware Bay Near-Shore Habitats to Migratory Songbirds and the Projected Ecological and Economic Consequences of Future Sea-Level Rise and Urban Development (DE Sea Grant)	\$247,499 □	\$0	\$7500 DSU In-Kind
132	2019-06-15-12	HE/Delaware State University	WorDE: A Biopharmaceutical Training Center to Promote Development of the Workforce, Outreach, Diversity and Education	\$146,780 □	\$0	\$25,755 Other + \$47,635 DSU In-Kind
133	2019-06-15-13	HE/Delaware State University	Determination of Optimal Dosage of Potassium Silicate Foliar Spray on Strawberries in High Tunnel Environment	\$14,946	\$0	\$0
134	2019-06-15-14	HE/Delaware State University	DSU-URISE: Delaware State University Student Training in Academic Research	\$3,994,990	\$0	\$0

135	2019-06-15-15	HE/Delaware State University	Improvements to Quality-Related Limitations to Market Growth of Biodiesel and Renewable Hydrocarbon Diesel Produced from Low-Value Feedstocks (SARE)	\$15,000	\$0	\$0
136	2019-06-15-16	HE/Delaware State University	USAID/RTAC Food Security Analyses for Mali	\$150,000	\$0	\$0
137	2019-06-15-17	HE/Delaware State University	Fabrication and Characterization of an Uncooled Thermal Detector with Low-Thermal Conductivity	\$249,428	\$0	\$0
138	2019-06-15-18	HE/Delaware State University	Development of Nutritionally Enhanced Corn Dried Distillers Grains with Solubles as a Phytogetic Alternative to Antibiotic Growth Promoters in Broiler Production	\$79,940	\$0	\$0
139	2019-06-15-19	HE/Delaware State University	INBRE - Year 6 (2019-2020)	\$767,459	\$0	\$0

Delaware State Clearinghouse Committee
July Agenda
July 31, 2019

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<u>New Business*</u>									
1	3950	Department of Health and Social Services, Social Services	Medicare Improvements for Patients and Providers Act- Area Agencies of Aging Directory Provider Services	\$23,730	\$0	\$0	0.00	0.00	0.00
2	3982	Department of Health and Social Services, Medicaid and Medical Assistance	Medicaid Administration - Title XIX	\$76,008,970	\$41,406,357	\$0	240.46	242.12	0.00
3	4040	Department of Health and Social Services, Public Health, Community Health	Public Health Emergency Preparedness	\$5,075,000	\$507,500	\$0	25.08	0.10	0.00
4	4041	Department of Health and Social Services, Public Health, Community Health	Hospital Preparedness Program	\$1,069,426	\$106,943	\$0	2.17	0.00	0.00
5	4047	Department of Health and Social Services, Public Health, Community Health	Overdose Data to Action	\$5,827,830	\$0	\$0	8.25	0.00	0.00
6	4055	Department of Health and Social Services, Public Health, Community Health	Preventing Maternal Deaths: Supporting Maternal Mortality Review Committee	\$750,000	\$0	\$0	0.00	0.00	0.00
7	4057	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Laboratory Capacity for Infectious Diseases	\$3,309,804	\$0	\$0	8.25	0.25	0.00
8	4065	Department of Health and Social Services, Public Health, Community Health	Maternal, Infant and Early Childhood Home Visiting Formula Grant	\$3,811,281	\$1,257,539	\$0	3.00	0.35	0.00
9	2116 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Chesapeake Bay Implementation	\$75,000	\$75,000	\$0	0.78	1.40	0.00
10	3768 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Avian Conservation Projects	\$73,130	\$39,377	\$0	0.00	0.24	0.00
11	2019-05-29-01	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Radiological Emergency Preparedness Program	\$0	\$0	\$1,295,378	10.75	0.00	0.00
<u>Continued</u>									
12	4076	Legal, Department of Justice	High Intensity Drug Trafficking Areas Program	\$188,000	\$0	\$0	0.00	0.00	0.00
13	3391 Amendment	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - State Exchange	\$5,718	\$0	\$0	0.00	0.00	0.00
14	3635	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Employment and Training - Operations	\$287,416	\$287,416	\$0	0.00	0.00	0.00
15	3850 Amendment	Department of Health and Social Services, Social Services	Child Care Development Fund - Discretionary	\$6,203,491	\$0	\$0	9.87	0.00	0.00
16	3980	Department of Health and Social Services, Medicaid and Medical Assistance	Children's Health Insurance Program	\$47,995,343	\$7,341,196	\$0	1.20	1.20	0.00
17	3981	Department of Health and Social Services, Medicaid and Medical Assistance	Medicaid Services - Title XIX	\$1,242,973,000	\$748,223,067	\$0	0.00	0.00	0.00
18	3983	Department of Health and Social Services, Medicaid and Medical Assistance	Health Information Technology Initiatives - Provider Incentive Payments	\$1,901,923	\$5,706	\$0	0.00	0.00	0.00
19	3984	Department of Health and Social Services, Medicaid and Medical Assistance	Health Information Technology Initiatives - Administrative Implementation	\$1,684,050	\$180,060	\$0	1.80	0.20	0.00
20	4038	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/ Community Services	Senior Community Service Employment Program	\$1,698,022	\$0	\$189,345	0.75	0.00	0.00
21	4050	Department of Health and Social Services, Child Support Services	Child Support Enforcement Incentive	\$1,438,997	\$0	\$0	22.00	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>

22	4051	Department of Health and Social Services, Child Support Services	Child Support Enforcement	\$23,232,161	\$11,152,739	\$0	128.70	66.30	0.00
23	4067	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children - Administration	\$5,945,733	\$0	\$0	49.00	0.00	0.00
24	4068	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children - Food	\$7,500,077	\$4,983,400	\$0	0.00	0.00	0.00
25	3091 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Wildlife Investigations - White-Tailed Deer	\$207,375	\$69,125	\$0	0.44	0.43	0.00
26	3119 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Climate, Coastal, and Energy	State Energy Program	\$348,230	\$70,591	\$0	2.92	0.50	0.00
27	3310 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Local Cooperation Agreement - Delaware Coastal Protection Project	\$855,807	\$1,246,062	\$0	0.10	0.15	0.00
28	3558 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Army Creek	\$6,926	\$0	\$0	0.05	0.00	0.00
29	3577 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Wildlife Investigations - Surveys	\$67,125	\$22,375	\$0	0.06	0.09	0.00
30	3660 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - CORE	\$145,903	\$29,440	\$0	1.40	0.30	0.00
31	4070	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Standard Chlorine/Metachem Fund Lead OU-2 RD	\$3,000	\$0	\$0	0.02	0.00	0.00
32	4073	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Fund	\$7,779,000	\$1,555,800	\$0	0.00	0.00	0.00
33	4078	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
34	4079	Department of Education	Child Nutrition State Administrative Expense	\$1,127,274	\$279,894	\$0	4.10	2.50	0.00
35	4080	Department of Education	School Breakfast Program	\$14,890,453	\$0	\$0	0.00	0.00	0.00
36	4081	Department of Education	National School Lunch Program	\$38,246,457	\$487,127	\$0	0.00	0.00	0.00
37	4082	Department of Education	Special Milk Program	\$17,509	\$0	\$0	0.00	0.00	0.00
38	4083	Department of Education	Child and Adult Care Food Program	\$18,449,684	\$0	\$0	2.00	0.00	0.00
39	4084	Department of Education	Cash in Lieu Child and Adult Care Food Program	\$717,782	\$0	\$0	0.00	0.00	0.00
40	4085	Department of Education	Child and Adult Care Food Program	\$604,952	\$0	\$0	0.00	0.00	0.00
41	4086	Department of Education	Summer Food Service Program	\$2,454,076	\$0	\$0	0.40	0.00	0.00
42	4087	Department of Education	Fresh Fruit and Vegetable Program	\$1,960,457	\$0	\$0	0.00	0.00	0.00
43	4088	Department of Education	Equipment Assistance Grant National School Lunch Program	\$93,841	\$0	\$0	0.00	0.00	0.00
44	2019-05-31-01	Department of Education, Caesar Rodney School District	Dover Air Force Base School Budget	\$9,533,566	\$0	\$0	0.00	0.00	0.00

Higher Education

1	2019-07-06-01	HE/University of Delaware	Electrochemical Synthesis of Biologically Active Natural Products	\$1,250,000	\$0	\$0			
2	2019-07-06-02	HE/University of Delaware	Using Collagen-Mimetic Peptides to Guide Regeneration of the Rotator Cuff Entesis	\$1,646,556	\$0	\$0			

3	2019-07-06-03	HE/University of Delaware	Faster-than-Real-Time Simulation with Demonstration for Resilient Distributed Energy Resource Integration	\$0	\$0	\$64,419
4	2019-07-06-04	HE/University of Delaware	Nearshore Sediment Transport and Sediment Budgets over Decadal Scales	\$290,402	\$0	\$0
5	2019-07-06-05	HE/University of Delaware	Christiana Care Health Care Services Research Amendment 5	\$0	\$0	\$5,250
6	2019-07-06-06	HE/University of Delaware	Serviam Girls Academy PADE 18/19 Partner Organization	\$0	\$0	\$2,500
7	2019-07-06-07	HE/University of Delaware	Barrier Island Hydrodynamics and Morphodynamics During an Extreme Event	\$0	\$0	\$220,439
8	2019-07-06-08	HE/University of Delaware	Center for Data-Driven Modeling of the Solar Atmosphere (CDMSA)	\$0	\$0	\$79,276
9	2019-07-06-09	HE/University of Delaware	Intervening Early with Neglected Children: Key Behavioral and Neurobiological Outcomes in Adolescence	\$2,610,761	\$0	\$0
10	2019-07-06-10	HE/University of Delaware	Coaching in Bookworms K-5 Reading and Writing to Thomas Edison Charter School to Support their Program Implementation	\$0	\$0	\$16,445
11	2019-07-06-11	HE/University of Delaware	Collaborative Research: Multiscale Modeling of Conventional Dendritic Cell Subtypes in the Lung in Health and Disease	\$243,978	\$0	\$0
12	2019-07-06-12	HE/University of Delaware	EAGER: Slick yet Stuck? Using Adhesion to Expose the Conditions of the Buried Cartilage Interface	\$199,753	\$0	\$0
13	2019-07-06-13	HE/University of Delaware	Bodies Matter: Challenging Inequities Through Examining Difference With K-12 Students	\$0	\$0	\$325,581
14	2019-07-06-14	HE/University of Delaware	Investigating The Lokiarchaeota: Potential Progenitors of Eukaryotic Cellular Life	\$288,701	\$0	\$0
15	2019-07-06-15	HE/University of Delaware	Novel Catalysts for Carbon Dioxide Utilization	\$195,936	\$0	\$0
16	2019-07-06-16	HE/University of Delaware	Tier 1 UTC-Railroad	\$0	\$0	\$254,923
17	2019-07-06-17	HE/University of Delaware	Peripheral and Environmental Factors Affecting Postpartum Mood State	\$275,000	\$0	\$0
18	2019-07-06-18	HE/University of Delaware	Planning a Clinical Trial for an Interdisciplinary Treatment Strategy Years After a Knee Injury	\$0	\$0	\$40,614
19	2019-07-06-19	HE/University of Delaware	Designing Software-Defined Time-Sensitive Networks with P4	\$0	\$0	\$47,619
20	2019-07-06-20	HE/University of Delaware	Brownfield Construction Site Worker Safety and Sustainability Training	\$189,999	\$0	\$0
21	2019-07-06-21	HE/University of Delaware	Acquisition of Goods and Services	\$40,909	\$0	\$0

22	2019-07-06-22	HE/University of Delaware	Stock Structure, Movement, And Migration of Sandbar Sharks (Carcharhinus Plumbeus)	\$0	\$0	\$4,730
23	2019-07-06-23	HE/University of Delaware	Training in Social Processes of HIV/AIDS	\$0	\$0	\$41,062
24	2019-07-06-24	HE/University of Delaware	Educational Affiliation and Biomedical Service Agreement	\$0	\$0	\$22,680
25	2019-07-06-25	HE/University of Delaware	Establishing an Avian Impact Assessment Protocol for Offshore Wind Development in the Great Lakes	\$0	\$0	\$139,279
26	2019-07-06-26	HE/University of Delaware	To Evaluate the Effect of DFMs Applied in the Water on Broiler Performance, and Microbial Composition Under Clinical Necrotic Enteritis Challenge	\$0	\$0	\$26,088
27	2019-07-06-27	HE/University of Delaware	To Evaluate the Effect of DFMs Applied in the Water on Broiler Performance, And Microbial Composition Under Clinical Necrotic Enteritis Challenge	\$0	\$0	\$11,786
28	2019-07-06-28	HE/University of Delaware	Development of Multi-Muscle Magnetic Resonance Elastography to Quantify Coactivation of Forearm Muscles Post-Stroke	\$399,998	\$0	\$0
29	2019-07-06-29	HE/University of Delaware	Evaluating the Causes Of Protracted Explosive Eruptions at Kilauea Volcano, Hawaii	\$159,890	\$0	\$0
30	2019-07-06-30	HE/University of Delaware	CES-RWJF Culture of Health	\$0	\$0	\$34,442
31	2019-07-06-31	HE/University of Delaware	Behavioral and Neurophysiologic Process of Locomotor Learning After Stroke	\$1,830,961	\$0	\$0
32	2019-07-06-32	HE/University of Delaware	A Preclinical Model of Tendinosis to Replicate Multi-Scale Damage to Tendon Structure and Mechanical Function	\$275,000	\$0	\$0
33	2019-07-06-33	HE/University of Delaware	Fostering Achievement & Success Through Teaching Reflection and Critical Consciousness	\$0	\$0	\$94,295
34	2019-07-06-34	HE/University of Delaware	Analysis of Stochastic Hybrid Systems with Applications to Synthetic Biology	\$93,962	\$0	\$0
35	2019-07-06-35	HE/University of Delaware	The Role Of Nursery Resource Utilization And Maternal Provisioning In The Survivorship of Young-of-the-Year HMS Elasmobranchs	\$0	\$0	\$20,774
36	2019-07-06-36	HE/University of Delaware	Limbic-Predominant Age-Related TDP-43 Encephalopathy (Late) Model Influences Network Connectivity	\$0	\$0	\$108,962
37	2019-07-06-37	HE/University of Delaware	Regulation of Mitochondrial Iron Transport During Erythropoiesis	\$0	\$0	\$208,333
38	2019-07-06-38	HE/University of Delaware	Healthy Sleep as a Target to Optimize Response to Standard Nicotine Dependence Treatment and Reduce Cancer Risk in Smokers	\$3,137,016	\$0	\$0
39	2019-07-06-39	HE/University of Delaware	Comparative Effectiveness and Implementation of Existing and Novel Upper Extremity Exoskeletons for Pediatric Rehabilitation	\$2,427,345	\$0	\$0
40	2019-07-06-40	HE/University of Delaware	Multifunctional siRNA/Antibody Nanocarriers To Treat Metastatic Triple-Negative Breast Cancer	\$1,137,821	\$0	\$0

41	2019-07-06-41	HE/University of Delaware	Mechanism of Aberrant BMP2 Signaling in Osteoblasts from Patients Diagnosed with Osteoporosis	\$1,643,130	\$0	\$0
42	2019-07-06-42	HE/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	\$20,800	\$0	\$0
43	2019-07-06-43	HE/University of Delaware	Mechanically-Tuned Biomaterials Placed on Blood Vessel Surfaces to Improve Post-Surgical Function	\$0	\$0	\$92,803
44	2019-07-06-44	HE/University of Delaware	UPENN/ METRAUX R34 Developing the HOMES intervention to Address Opiate Use In Rural Delaware	\$0	\$0	\$90,000
45	2019-07-06-45	HE/University of Delaware	Synergistic Particle Acceleration due to Reconnection, Turbulence and Shocks (SPARTANS): A DRIVE Center Proposal	\$1,075,324	\$0	\$0
46	2019-07-06-46	HE/University of Delaware	Relationship Between Track Geometry Defects and Measured Track Subsurface Condition: Phase II	\$195,411	\$0	\$0
47	2019-07-06-47	HE/University of Delaware	Neural Encoding of Social Information	\$1,998,912	\$0	\$0
48	2019-07-06-48	HE/University of Delaware	Improving Our Capacity To Track Highly Migratory Species to Characterize the Movements and Habitat Use of Two Sharks of Management Interest, the Sandbar Shark and Smooth Dogfish	\$410,010	\$0	\$0
49	2019-07-06-49	HE/University of Delaware	Developing Geospatial Pathway Program for Delaware High School Students	\$0	\$0	\$20,501
50	2019-07-06-50	HE/University of Delaware	Study of the Potential Wind Speed, Temperature, and Precipitation Effects of the Planned Offshore Wind Energy Areas (WEAs) in Eastern Long Island	\$0	\$0	\$85,695
51	2019-07-06-51	HE/University of Delaware	Planning IUCRC University of Delaware: Center for Hierarchical Emergent Materials (CHEM)	\$9,399	\$0	\$0
52	2019-07-06-52	HE/University of Delaware	Natural and Anthropogenic Changes of the Southern Ocean Revealed by Traditional Oceanic Data, Model Simulation, and Deep Ocean Remote Sensing Products from Deep Learning Data Science	\$323,790	\$0	\$0
53	2019-07-06-53	HE/University of Delaware	Sarcopenia, Sedentary Behavior, and Physical Function in Long-term Care Community Residents	\$0	\$0	\$5,849
54	2019-07-06-54	HE/University of Delaware	Christiana Care Health Care Services Research Amendment 6	\$0	\$0	\$4,222
55	2019-07-06-55	HE/University of Delaware	Animal Health Research Program 2019	\$19,463	\$0	\$0
56	2019-07-06-56	HE/University of Delaware	Effects of Pecan Consumption on Cardiovascular and Cognitive Function	\$0	\$0	\$418,299
57	2019-07-06-57	HE/University of Delaware	ISS: Kinetics of Nanoparticle Self-Assembly In Directing Fields	\$40,920	\$0	\$0
58	2019-07-06-58	HE/University of Delaware	Coordinated and Collaborative Studies of Coastal Change via Unoccupied Aircraft Systems (UAS)	\$0	\$0	\$11,882
59	2019-07-06-59	HE/University of Delaware	On-Chip Metasurface for Machine Learning	\$0	\$0	\$92,912

60	2019-07-06-60	HE/University of Delaware	The UD ENVISION Program: Undergraduate Research, Education and Extension Exploring One Health and Food Sustainability	\$440,750	\$0	\$0
61	2019-07-06-61	HE/University of Delaware	Federal and State Technology Partnership Program (FAST) FAST-2019-R-0013	\$114,679	\$0	\$0
62	2019-07-06-62	HE/University of Delaware	Collaborative Research: Science-Aware Computational Methods for Accelerating Data-Intensive Discovery: Astroparticle Physics as a Test Case	\$343,748	\$0	\$0
63	2019-07-06-63	HE/University of Delaware	Engineering Dynamic, Heterogeneous in Vitro Extracellular Matrices to Model Progressive Desmoplasia and Early-Stage Invasion in Pancreatic Ductal Adenocarcinoma	\$0	\$0	\$117,000
64	2019-07-06-64	HE/University of Delaware	The Delaware Translational Rehabilitation Clinical Trials (TRCT) Program	\$4,987,275	\$0	\$0
65	2019-07-06-65	HE/University of Delaware	FES WALKS - A Multi-Site Trial of FES walking training in CP	\$2,918,091	\$0	\$0
66	2019-07-06-66	HE/University of Delaware	Additive Manufacturing of Robotic and Remote Ground Systems	\$0	\$0	\$238,449
67	2019-07-06-67	HE/University of Delaware	Oklahoma State Univ ABCTraining Contract Dozier/Roben 19	\$0	\$0	\$6,481
68	2019-07-06-68	HE/University of Delaware	High Performance 3D Printed Solid State Lithium Ion Batteries	\$0	\$0	\$28,213
69	2019-07-06-69	HE/University of Delaware	Effects of Creative Movement Interventions on Motor/Functional Performance and Social Participation of Children with Cerebral Palsy	\$3,262,362	\$0	\$0
70	2019-07-06-70	HE/University of Delaware	Biomaterial Template to Enhance Tendon-to-Bone Entesis Regeneration	\$0	\$0	\$230,010
71	2019-07-06-71	HE/University of Delaware	CPS: Medium: Collaborative Research: Music in Design: Encryption, Authentication and Feature Search Function in Design Files in Sound Format	\$103,544	\$0	\$0
72	2019-07-06-72	HE/University of Delaware	Collaborative: CoPe UÜber RCN: Coastal Underserved and Underrepresented Communities' Engagement, Empowerment, and Resiliency Research Coordination Network	\$0	\$0	\$6,743
73	2019-07-06-73	HE/University of Delaware	Mechanisms of Balance Control During Walking: an Experimental-Computational Approach to the Effects of Aging	\$1,958,851	\$0	\$0
74	2019-07-06-74	HE/University of Delaware	Protocol 2019-01-B7-05 - Spray Early with Confidence Program	\$0	\$0	\$4,464
75	2019-07-06-75	HE/University of Delaware	Turbulence in Accretion Disks	\$322,419	\$0	\$0
76	2019-07-06-76	HE/University of Delaware	Speech and Communicative Timing Across Linguistic Contexts	\$368,986	\$0	\$0
77	2019-07-06-77	HE/University of Delaware	Speech and Communicative Timing Across Linguistic Contexts	\$368,986	\$0	\$0

78	2019-07-06-78	HE/University of Delaware	SaTC: CORE: Medium: Collaborative: New Security Challenges in Power and Thermal Management of Data Centers and Their Solutions	\$261,048	\$0	\$0
79	2019-07-06-79	HE/University of Delaware	Collaborative Research: Physics-Based Machine Learning to Accelerate Materials Research	\$194,875	\$0	\$0
80	2019-07-06-80	HE/University of Delaware	Facile Conversion of Lignocellulosic Biomass or Technical Lignin to High-Value Chemicals and Performance Materials Presents a Unique Opportunity for a Cost-Competitive, Performance-Advantaged Circular Bioeconomy	\$45,000	\$0	\$0
81	2019-07-06-81	HE/University of Delaware	Extending Industrial Assessment Centers to Underserved Areas	\$379,438	\$0	\$0
82	2019-07-06-82	HE/University of Delaware	Health Consequences of Fear of Cancer Recurrence in Breast Cancer Survivors and Partners	\$3,111,512	\$0	\$0
83	2019-07-06-83	HE/University of Delaware	NIH Development of Mathematical Models and Related Computer Codes	\$12,066	\$0	\$0
84	2019-07-06-84	HE/University of Delaware	Evaluation of the Regional Educational Laboratories	\$0	\$0	\$57,630
85	2019-07-06-85	HE/University of Delaware	Preparing Teachers for Climate Change Education: How to Use Online Resources	\$0	\$0	\$49,146
86	2019-07-06-86	HE/University of Delaware	Preparing Schools for Racial Safety: An Exploratory Study on Racial Climate Theories and Practices.	\$0	\$0	\$49,999
87	2019-07-06-87	HE/University of Delaware	Biochar Amendment to Highway Greenways in Maryland	\$0	\$0	\$47,186
88	2019-07-06-88	HE/University of Delaware	Collaborative Research: Towards THz Circuits with CMOS Compatible Self-Aligned InAs Gate-All-Around MOSFETs	\$329,644	\$0	\$0
89	2019-07-06-89	HE/University of Delaware	EAGER: Citizen Science for Real-Time Resilience Assessment	\$212,531	\$0	\$0
90	2019-07-06-90	HE/University of Delaware	CoPe - Conference on Community Resiliency in the Face of Coastal Hazards and the Renewable Energy Transition	\$77,038	\$0	\$0
91	2019-07-06-91	HE/University of Delaware	Throughput Optimization for the Tailorable Universal Feedstock for Forming (TuFF) Process	\$0	\$0	\$47,341
92	2019-07-06-92	HE/University of Delaware	Side-channel Resistant State Machine with Homomorphic Encryption	\$0	\$0	\$26,836
93	2019-07-06-93	HE/University of Delaware	Translational Research with Chalcogenide Hybrid Inorganic/Organic Polymers (CHIPs) for Infrared Imaging and Sensing Technologies	\$0	\$0	\$138,054
94	2019-07-06-94	HE/University of Delaware	Through Thickness Modulus Enhancement of Carbon Fiber Thermoplastics	\$0	\$0	\$33,193
95	2019-07-06-95	HE/University of Delaware	Creating a Standard Modulus Aligned Short-Fiber Reinforced Thermoplastic (SMART) Composite	\$0	\$0	\$47,022
96	2019-07-06-96	HE/University of Delaware	Development Of Advanced Copper Alloys Using High Speed Metal 3D Printing For Defense And Commercial Applications	\$0	\$0	\$13,402

97	2019-07-06-97	HE/University of Delaware	Acquisition of Goods and Services: Laboratory Support For the Brown Marmorated Stink Bug, Spotted Wing Drosophila, Spotted Lantern Fly and Other Targets as Required..	\$9,091	\$0	\$0
98	2019-07-06-98	HE/University of Delaware	USDA RSA HOELMER Services 20	\$4,545	\$0	\$0
99	2019-07-06-99	HE/University of Delaware	Neuromuscular Electrical Stimulation for Achilles Tendon Rupture Rehabilitation	\$0	\$0	\$30,755
100	2019-07-07-01	HE/University of Delaware	Range-Wide Phylogeography and Conservation Genetics of Snow Leopards in High Asia	\$0	\$0	\$20,000
101	2019-07-13-01	HE/Delaware State University	Borlaug Fellowship Program - Yam	\$49,951	\$0	\$0
102	2019-07-13-02	HE/Delaware State University	Borlaug Fellowship Program - Pepper	\$49,951	\$0	\$0
103	2019-07-13-03	HE/Delaware State University	New Tools to Translate Time Across the Lifespan in Humans and Model Organisms	\$460,472	\$0	\$0
104	2019-07-13-04	HE/Delaware State University	Assessment of Gulf Sturgeon (Acipenser Oxyrhynchus Desotoi) Spawning Races in the Choctawhatchee River Basin in Alabama/Florida - Yr. 2	\$80,525	\$0	\$30,579 DSU In-Kind
105	2019-07-13-05	HE/Delaware State University	Understanding of Atlantic Sturgeon Migratory Patterns - Integrating Telemetry and Genetics	\$79,390	\$0	\$0

**Delaware State Clearinghouse Committee
August Agenda**

August 27, 2019

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	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	\$150,000	\$0	\$0	1.05	0.00	0.00
2	4096	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Delaware City PVC Operable Unit-2 Long Term Remedial Action Cooperative Agreement	\$2,500	\$0	\$0	0.02	0.00	0.00
3	4101	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Brownfields Revitalization	\$450,526	\$0	\$0	2.95	0.00	0.00
4	4126	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Leaking Underground Storage Tank Prevention	\$763,437	\$254,478	\$0	2.70	0.75	0.00
5	4115	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Nonpoint Source Implementation Grant - Section 319	\$1,164,612	\$493,100	\$290,015	3.00	2.76	0.00
6	4121	Department of Safety and Homeland Security, Office of the Secretary, Developmental Disabilities Council	Developmental Disabilities Council	\$377,356	\$20,000	\$80,000	4.00	0.00	0.00
7	4146	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Flood Mitigation Assistance	\$385,329	\$0	\$45,650	0.00	0.00	0.00
8	4058	Department of Education	Lead Testing in School and Child Care Program	\$209,000	\$0	\$0	0.00	0.00	0.00
9	4075	Department of Health and Social Services, Public Health, Community Health	Drinking Water State Revolving Fund	\$11,004,000	\$2,220,800	\$0	22.23	0.00	0.00
Continued									
1	4112	Judicial, Family Court	Court Improvement Program Basic Grant	\$106,760	\$36,022	\$0	0.00	0.18	0.00
2	4113	Judicial, Family Court	State Court Improvement Program - Data	\$98,500	\$33,310	\$0	0.00	0.29	0.00
3	4114	Judicial, Family Court	State Court Improvement Program - Training	\$98,500	\$33,232	\$0	0.00	0.25	0.00
4	4035	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Employment and Training - Operations	\$287,416	\$287,416	\$0	0.00	0.00	0.00
5	4036	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Employment and Training for Able-Bodied Adults Without Dependents	\$377,358	\$0	\$0	0.00	0.00	0.00
6	4104	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	4105	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Employment and Training	\$188,993	\$0	\$0	1.23	0.00	0.00
8	4131	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Employment and Training Reimbursement	\$137,024	\$137,024	\$0	0.00	0.00	0.00
9	4133	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - State Exchange	\$13,000	\$0	\$0	0.00	0.00	0.00
10	4066	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children - Breast Feeding	\$187,101	\$0	\$0	0.00	0.00	0.00
11	4069	Department of Health and Social Services, Public Health, Community Health	Behavioral Risk Factor Surveillance System	\$204,146	\$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	4102	Department of Health and Social Services, Public Health, Community Health	Preventive Health and Health Services Block Grant	\$289,636	\$0	\$0	0.00	0.00	0.00
13	4122	Department of Health and Social Services, Public Health, Community Health	Delaware Perinatal Cooperative - Supplement	\$100,000	\$0	\$0	0.00	0.00	0.00
14	4130	Department of Health and Social Services, Public Health, Community Health	Lead-Based Paint Program - Combined	\$1,077,000	\$0	\$0	1.50	0.00	0.00
15	4072	Department of Health and Social Services, State Service Centers	Community Services Block Grant	\$3,757,332	\$0	\$0	1.75	0.00	0.00
16	4124	Department of Health and Social Services, State Service Centers	Access and Visitation Program	\$100,000	\$10,000	\$30,396	0.00	0.00	0.00
17	4125	Department of Health and Social Services, State Service Centers	AmeriCorps State Formula	\$736,810	\$0	\$934,901	0.00	0.00	0.00
18	4148	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B Subpart 1 - Child Welfare Services	\$790,554	\$263,513	\$0	3.00	0.00	0.00
19	4150	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B Subpart 2 - Promoting Safe and Stable Families	\$966,514	\$322,168	\$0	2.00	0.00	0.00
20	4151	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	\$62,017	\$20,672	\$0	0.00	0.00	0.00
21	4152	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
22	4153	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV, Part E - Education and Training Vouchers Program	\$75,403	\$18,851	\$0	0.00	0.00	0.00
23	4061	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Dam Safety Program	\$48,693	\$0	\$0	0.00	0.00	0.00
24	4062	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Community Assistance Program	\$108,876	\$27,219	\$0	1.00	0.20	0.00
25	4095	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Water Quality Management - Planning	\$100,000	\$0	\$0	0.10	0.00	0.00
26	4117	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Cooperating Technical Partnership	\$110,000	\$0	\$0	0.75	0.00	0.00
27	4063	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's Rare Plant Conservation Program	\$9,750	\$3,250	\$0	0.00	0.02	0.00
28	4077	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	White-Nose Syndrome Grants to States	\$19,111	\$0	\$0	0.08	0.00	0.00
29	4089	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Port Security Program	\$227,290	\$72,263	\$0	0.00	0.00	0.00
30	4106	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Shellfish Sanitation	\$5,000	\$0	\$0	0.00	0.00	0.00
31	4119	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Waterfowl and Migratory Game Birds	\$473,521	\$157,840	\$0	0.50	0.17	0.00
32	4120	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Bat Research, Monitoring and Conservation	\$393,735	\$212,012	\$0	1.56	0.09	0.00
33	4129	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Technical Assistance for Non-Tidal Fisheries	\$45,150	\$15,050	\$0	0.40	0.15	0.00
34	4142	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Recreational Boating Safety Financial Assistance	\$942,120	\$942,120	\$0	7.55	9.80	0.00
35	3430 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Survey of Sport Fish of Delaware Bay	\$239,148	\$79,716	\$0	0.00	0.20	0.00
36	3765 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Conservation and Management of Priority Habitats for Species of Greatest Conservation Need	\$19,500	\$10,500	\$0	0.00	<0.01	0.00

37	4116	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Water	Underground Injection Control	\$47,000	\$42,167	\$0	0.65	0.35	0.00
38	4118	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Leaking Underground Storage Tank Cleanup	\$1,833,639	\$203,742	\$0	6.00	0.50	0.00
39	4134	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Halby Chemical Cooperative Agreement	\$2,500	\$0	\$0	0.02	0.00	0.00
40	3559 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement – Delaware Sand and Gravel	\$6,926	\$0	\$0	0.05	0.00	0.00
41	4132	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	State Clean Diesel Grant Program	\$473,690	\$830,425	\$2,313,631	0.00	0.00	0.00
42	4143	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Pre-Disaster Mitigation	\$741,368	\$15,771	\$231,351	0.00	0.00	0.00
43	4123	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Vocational Rehabilitation Services	\$12,076,795	\$3,288,000	\$0	72.40	0.00	0.00
44	4139	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Supported Employment Services	\$258,000	\$22,875	\$0	0.00	0.00	0.00
45	4141	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Independent Living Services	\$305,350	\$33,928	\$0	1.00	0.00	0.00
46	4128	Department of Labor, Vocational Rehabilitation, Disability Determination Services	Disability Determination Services	\$7,298,177	\$0	\$0	49.00	0.00	0.00
47	4090	Department of Agriculture, Forest Service	Urban and Community Forestry	\$200,000	\$152,000	\$48,000	1.35	1.57	0.00
48	4091	Department of Agriculture, Forest Service	Volunteer Fire Assistance	\$28,963	\$6,963	\$22,000	0.00	0.05	0.00
49	4092	Department of Agriculture, Forest Service	State Fire Assistance	\$117,477	\$87,477	\$30,000	0.63	0.79	0.00
50	4093	Department of Agriculture, Forest Service	Forest Stewardship	\$61,520	\$61,520	\$0	0.76	0.62	0.00
51	4094	Department of Agriculture, Forest Service	Forest Health Management and Monitoring	\$73,000	\$74,300	\$0	0.59	0.50	0.00
52	4097	Department of Agriculture, Forest Service	Chesapeake Bay Watershed Project	\$21,880	\$87	\$21,793	0.00	0.00	0.00
53	4108	Delaware National Guard	Air National Guard Operations and Maintenance Agreement	\$4,175,141	\$549,761	\$0	44.00	4.00	0.00
54	4109	Delaware National Guard	Army National Guard Environmental Resource Management Agreement	\$519,729	\$0	\$0	4.00	0.00	0.00
55	4110	Delaware National Guard	Air National Guard Security Guard Agreement	\$1,560,896	\$0	\$0	21.00	0.00	0.00
56	4111	Delaware National Guard	Army National Guard Operations and Maintenance Agreement	\$10,354,111	\$1,865,623	\$0	19.50	10.50	0.00
57	4180	Department of Education	Early Head Start - Child Care Expansion	\$6,116,035	\$1,223,207	\$0	1.10	0.00	0.00
58	3994 Amendment	Department of Education	Prevention and Intervention Programs for Children and Youth Who are Neglected, Delinquent, or At-Risk	\$306,221	\$0	\$0	0.00	0.00	0.00

Higher Education

1	2019-08-03-02	University of Delaware	Coastal Structure Design and Rehabilitation Incorporating Stochastic Risk and Uncertainty	\$0.00	\$0	\$171,888.00			
2	2019-08-03-03	University of Delaware	Professional Learning Sessions for Social Studies Teachers at Sussex Tech High School to Support the Development of Standards-Aligned Instruction and Understanding of Disciplinary Literacy Pedagogy	\$0.00	\$0	\$2,220.00			

3	2019-08-03-04	University of Delaware	High Energy Density Rechargeable Lithium Batteries	\$0.00	\$0	\$15,517.00
4	2019-08-03-05	University of Delaware	MOU between UD and AvriServe LLC - Extension	\$0.00	\$0	\$57,600.00
5	2019-08-03-06	University of Delaware	A Solutions-Based Evaluation of Barriers to Farmer Adoption of In-Season Nitrogen Decision Support Tools	\$0.00	\$0	\$832,019.00
6	2019-08-03-07	University of Delaware	Living in a Noisy World: Examining the Role of the Listening Environment on Language Development in Latino Dual-Language Learners	\$383,153.00	\$0	\$0.00
7	2019-08-03-08	University of Delaware	An fNIRS Study Comparing Neural Correlates of Imitation in Children with and without ASD	\$284,147.00	\$0	\$0.00
8	2019-08-03-09	University of Delaware	Fall 2019 Oakland County Michigan Leadership Institute	\$0.00	\$0	\$86,534.00
9	2019-08-03-10	University of Delaware	Carbon Analysis of Understory and Overstory Fluxes in Changing Urban and Natural Systems	\$15,000.00	\$0	\$0.00
10	2019-08-03-11	University of Delaware	CAREER: A Multifaceted Intervention to Reduce Prejudice Among Preadolescents	\$410,514.00	\$0	\$0.00
11	2019-08-03-12	University of Delaware	The Impact of Naturally Occurring and Experimentally Manipulated Interracial Contact on Social Cognition	\$529,136.00	\$0	\$0.00
12	2019-08-03-13	University of Delaware	Supplement to Polar (NSF 15-114): Using Polar Science Data to Evaluate Media Claims in the Undergraduate Classroom	\$36,627.00	\$0	\$0.00
13	2019-08-03-14	University of Delaware	The Role of Nucleus Basalis Cholinergic Neurons in Conditioned Avoidance	\$333,649.00	\$0	\$0.00
14	2019-08-03-15	University of Delaware	Collaborative Research: STEM Discipline-based Leadership and Mentoring Program	\$62,525.00	\$0	\$0.00
15	2019-08-03-16	University of Delaware	CAREER: PIC: Self-learning Silicon Photonic Computation System	\$428,484.00	\$0	\$0.00
16	2019-08-03-17	University of Delaware	Exploring Emerging Chemometric Methods	\$0.00	\$0	\$19,435.00
17	2019-08-03-18	University of Delaware	Comparative Impact of a Probiotic and a Phytobiotic on Heat Stress Response in the Broiler Chicken	\$452,744.00	\$0	\$0.00
18	2019-08-03-19	University of Delaware	Preventing Wooden Breast Disease by Therapeutic Induction of Cellular Antioxidant Response	\$385,481.00	\$0	\$0.00
19	2019-08-03-20	University of Delaware	CAREER: Dynamic, Multiscale 3D-Printed Lung Replicas to Enable Patient-Specific Predictions of Aerosol Deposition for Respiratory Diseases	\$371,622.00	\$0	\$0.00
20	2019-08-03-21	University of Delaware	CAREER: Circadian Influences on Category Learning and Retention from Early to Late Adolescence	\$349,759.00	\$0	\$0.00

21	2019-08-03-22	University of Delaware	CAREER: Understanding Toughness and Strength Anisotropy in Hybrid Quantum Materials	\$347,796.00	\$0	\$0.00
22	2019-08-03-23	University of Delaware	PFI-TT: Novel Semiconducting Ink Development for Flexible and Printed Electronics	\$182,832.00	\$0	\$0.00
23	2019-08-03-24	University of Delaware	CAREER: Mapping Pain: Visualizing Health and Disability During an Opioid Epidemic	\$265,758.00	\$0	\$0.00
24	2019-08-03-25	University of Delaware	CAREER: Gas Storage with Porous Cage-Based Materials	\$510,940.00	\$0	\$0.00
25	2019-08-03-26	University of Delaware	CAREER: Body Territories: Addressing Inequities in Access to Human Milk	\$365,371.00	\$0	\$0.00
26	2019-08-03-27	University of Delaware	Career Objectives & Personal Goals for Program	\$0.00	\$0	\$194,290.00
27	2019-08-03-28	University of Delaware	Bottom-up Assembly of Functional Salivary Gland Tissues	\$1,915,355.00	\$0	\$0.00
28	2019-08-03-29	University of Delaware	Mechanisms that Render Females More Susceptible to Trauma	\$100,000.00	\$0	\$0.00
29	2019-08-03-30	University of Delaware	Lewes National Register Historic District Update Survey Phase VI	\$0.00	\$0	\$3,493.00
30	2019-08-03-31	University of Delaware	National Register Historic District Update Survey Phase V	\$0.00	\$0	\$3,493.00
31	2019-08-03-32	University of Delaware	The Morphological and Molecular Regulation of Brace Root Initiation in Maize.	\$350,000.00	\$0	\$0.00
32	2019-08-03-33	University of Delaware	Amino Acid Utilization by Hindgut Communities in Horses	\$357,910.00	\$0	\$0.00
33	2019-08-03-34	University of Delaware	Assessing Dual Language Learners: Turning the Right Thing To Do Into the Easy Thing To Do	\$0.00	\$0	\$457,337.00
34	2019-08-03-35	University of Delaware	New Castle County FY20 NR/TBS	\$0.00	\$0	\$10,015.00
35	2019-08-03-36	University of Delaware	CAREER: Towards Cooperative and Proactive Mobility-Aware Edge Computing	\$294,662.00	\$0	\$0.00
36	2019-08-03-37	University of Delaware	A Soft Smart Ankle Foot Orthosis Powered by Artificial Muscle for Children with Cerebral Palsy	\$166,330.00	\$0	\$0.00
37	2019-08-03-38	University of Delaware	Statin for PTOA Prevention	\$1,152,372.00	\$0	\$0.00
38	2019-08-03-39	University of Delaware	Elucidating Internal Cycling of Phosphorus in the Chesapeake Bay: Are Missing Gaps in Sediment Phosphorus Effluxes a Culprit to Water Quality Improvement?	\$164,534.00	\$0	\$0.00

39	2019-08-03-40	University of Delaware	Genome Editing to Improve U.S. Competitiveness in Poultry Production	\$364,356.00	\$0	\$0.00
40	2019-08-03-41	University of Delaware	Ammonia - Foe and Friend? Salmonella Reduction by Endogenous Ammonia in Poultry Litter	\$0.00	\$0	\$46,336.00
41	2019-08-03-42	University of Delaware	Development and Evaluation of an Updated DMV/1639/11 Type Infectious Bronchitis Virus Vaccine	\$0.00	\$0	\$57,736.00
42	2019-08-03-43	University of Delaware	Looking Back and Looking Forward: Increasing the Impact of Educational Research on Practice	\$90,344.00	\$0	\$0.00
43	2019-08-03-44	University of Delaware	Fluid Dynamics Investigation of the Flow Garden Banks	\$0.00	\$0	\$18,380.00
44	2019-08-03-45	University of Delaware	NFWF/NOAA Coastal Resilience: Resilience through Regeneration in Northeast Wilmington	\$0.00	\$0	\$80,536.10
45	2019-08-03-46	University of Delaware	Reinventing Pit Latrines using Breathable Laminate Liners to Mitigate Groundwater Contamination	\$0.00	\$0	\$28,462.00
46	2019-08-03-47	University of Delaware	Professional Learning and Coaching Support in Bookworms K-5 Reading and Writing to Four Elementary Schools Implementing the Curriculum for the First Time	\$0.00	\$0	\$17,986.00
47	2019-08-03-48	University of Delaware	Sustained-Petascale in Action: Blue Waters Enabling Transformative Science and Engineering	\$0.00	\$0	\$50,000.00
48	2019-08-03-49	University of Delaware	Robust and Reliable Neural Network Accelerators via Self-testing and Self-heating	\$0.00	\$0	\$188,947.00
49	2019-08-03-50	University of Delaware	CAREER: Nanospectroscopy and Light-Matter Interaction Based on Nanofocusing on an Atomically Flat Surface	\$407,515.00	\$0	\$0.00
50	2019-08-03-51	University of Delaware	CAREER: A New Class of Microfluidic Ex Vivo Culture Models to Understand Whole Organ Physiology and Disease	\$373,231.00	\$0	\$0.00
51	2019-08-03-52	University of Delaware	CAREER: Achieving Unprecedented Measurement Accuracy by a New Radio-Muon Method for Multi-Messenger Particle Astrophysics	\$750,569.00	\$0	\$0.00
52	2019-08-03-53	University of Delaware	Functional Microbiome Approaches to Modulate Soil Water Retention to Improve Drought Tolerance in Plants	\$362,277.00	\$0	\$0.00
53	2019-08-03-54	University of Delaware	Kronian Magnetosheath as a Turbulence Laboratory: Implications for Planetary Magnetospheres and Other Astrophysical Systems	\$119,788.00	\$0	\$0.00
54	2019-08-03-55	University of Delaware	Career: Transformation and Cross-shelf Export of Freshwater from Antarctic Shelves	\$585,194.00	\$0	\$0.00
55	2019-08-03-56	University of Delaware	CAREER: Neuromechanics of Human-Robot Interaction Via Robot-Assisted In-Vivo Imaging of Neuromuscular Function	\$326,587.00	\$0	\$0.00
56	2019-08-03-57	University of Delaware	CAREER: Controlling Emergent Behavior of Hybridized Magnonic Excitations	\$382,481.00	\$0	\$0.00

57	2019-08-03-58	University of Delaware	CAREER: The Evolution of Solar-Wind Ion-Temperature from the Solar Corona to the Terrestrial Magnetosphere	\$388,858.00	\$0	\$0.00
58	2019-08-03-59	University of Delaware	Training Leaders to Improve Education and Health Outcomes of Individuals served by IDEA: A Multi-Institution Mentorship Consortium	\$0.00	\$0	\$456,229.00
59	2019-08-03-60	University of Delaware	Patellofemoral Osteoarthritis After ACL Reconstruction: Biomechanical and Biochemical Mechanisms Early After Surgery	\$195,016.00	\$0	\$0.00
60	2019-08-03-61	University of Delaware	Computational Modeling and Analysis of Electromagnetic Scattering from Textured Metallic Flakes	\$0.00	\$0	\$43,754.00
61	2019-08-03-62	University of Delaware	Northeast Farm Stress Assistance Coalition	\$0.00	\$0	\$19,794.00
62	2019-08-03-63	University of Delaware	CAREER: Remodeling and Damage of the Tendon Attachment During Postnatal Growth	\$359,269.00	\$0	\$0.00
63	2019-08-03-64	University of Delaware	A Multi-Level Examination of Health-Related Time-Use, Diet, and Obesity in Adults with Autism Spectrum Disorder	\$0.00	\$0	\$39,985.00
64	2019-08-03-65	University of Delaware	Virulence Evolution of Marek's Disease Virus (MDV) Field Strains	\$157,997.00	\$0	\$0.00
65	2019-08-03-66	University of Delaware	Support for Communications Workshops	\$39,506.00	\$0	\$0.00
66	2019-08-03-67	University of Delaware	CAREER: Formation Properties and Structure of Charged Polymer Networks	\$351,582.00	\$0	\$0.00
67	2019-08-03-68	University of Delaware	Impacts of TiO2 Pigments and TiO2-Pigmented Agricultural Films on TiO2 Distribution in Soil and Soil Physico-Chemical Properties	\$0.00	\$0	\$66,482.00
68	2019-08-03-69	University of Delaware	EGFR Signaling in Osteoarthritis and Treatment	\$0.00	\$0	\$29,065.00
69	2019-08-03-70	University of Delaware	Collaborative Research: RoL: The Connection Between Life History Tempo and Migration Strategies in Changing Environments	\$235,336.00	\$0	\$0.00
70	2019-08-03-71	University of Delaware	Design for the Developing World: 2-Day Enrichment Program	\$0.00	\$0	\$43,220.00
71	2019-08-03-72	University of Delaware	The Effect of Energeze® Patches on Pain Relief and Activities of Daily Living in Patients with Delayed Onset Muscle Soreness (DOMS).	\$0.00	\$0	\$31,566.00
72	2019-08-03-73	University of Delaware	Sub-Canopy Robotics for Brace Root Phenotyping.	\$356,409.00	\$0	\$0.00
73	2019-08-03-74	University of Delaware	Valorization of Food Waste into Added-Value Products	\$362,614.00	\$0	\$0.00
74	2019-08-03-75	University of Delaware	PHASE II - American Black Duck Brood Survival, Habitat Use, and Movement in Coastal North Carolina	\$0.00	\$0	\$125,105.00

75	2019-08-03-76	University of Delaware	Discovery of Biomarkers for Crohn's Disease	\$0.00	\$0	\$315,577.00
76	2019-08-03-77	University of Delaware	Neutralizing the Degenerate Disc Microenvironment to Enhance the Efficacy of Therapeutic Stem Cells	\$0.00	\$0	\$242,865.00
77	2019-08-03-78	University of Delaware	Biological Nitrogen Removal in Sediment Plumes - A Critical but Missing Component of Watershed Models	\$0.00	\$0	\$200,514.00
78	2019-08-03-79	University of Delaware	Converting Food Waste to Energy Through Sequential On-site Enzymatic and Two-stage Anaerobic Digestion	\$1,479,546.00	\$0	\$0.00
79	2019-08-03-80	University of Delaware	Engineering Bioconversion of Monolignols to Non-Standard Amino Acids	\$350,001.00	\$0	\$0.00
80	2019-08-03-81	University of Delaware	Evaluation of Newly Introduced Parasitoids for Biocontrol of Wood-Boring Insects such as Emerald Ash Borer.	\$63,314.00	\$0	\$0.00
81	2019-08-03-82	University of Delaware	Evaluation of Newly Introduced Parasitoids for Biocontrol of Wood-Boring Insects such as Emerald Ash Borer.	\$20,044.00	\$0	\$0.00
82	2019-08-03-83	University of Delaware	Support NCCTV In Analysis of DeSSA Assessment Data and Creation of Action Plan to Improve District Curriculum and Common Assessments.	\$0.00	\$0	\$3,573.00
83	2019-08-03-84	University of Delaware	Small-Scale Transient Structures in the Solar Wind over Two Solar Cycles	\$63,836.00	\$0	\$0.00
84	2019-08-03-85	University of Delaware	Plasmodesmata and Chloroplasts in Integrative Defense Signaling	\$582,404.00	\$0	\$0.00
85	2019-08-03-86	University of Delaware	Administrative Supplement to Liquid Helium Recovery System for University of Delaware NMR Core	\$207,950.00	\$0	\$0.00
86	2019-08-03-87	University of Delaware	Analysis and Reporting of Data Associated with the US Fish and Wildlife Service Saltmarsh Integrity Monitoring Protocol.	\$59,052.00	\$0	\$0.00
87	2019-08-03-88	University of Delaware	Collaborative Research: Langmuir Turbulence Modulation by Atmospheric Surface Layer Structures through Coordinate Large-eddy Simulations and Laboratory Measurements	\$358,579.00	\$0	\$0.00
88	2019-08-03-89	University of Delaware	HI-STEM Doctoral Consortia: Preparing Leaders to Conduct High-Quality Research in STEM Education to Support Positive Outcomes for Students with High Intensity Needs	\$0.00	\$0	\$635,234.00
89	2019-08-03-90	University of Delaware	Brandywine River Shad Restoration Project	\$0.00	\$0	\$190,816.00
90	2019-08-03-91	University of Delaware	Optoelectronic Response of Inter-Crystalline Phase Change Materials	\$241,844.00	\$0	\$0.00
91	2019-08-03-92	University of Delaware	Back From the Past: Recovery of Nutrient Processes and Microbial Communities in Relict, Hydric Soils Following Restoration	\$415,475.00	\$0	\$0.00
92	2019-08-03-93	University of Delaware	Spectral Computed Tomography is Finding Numerous Applications Allowing for Material Characterization Using X-Rays; Our Approach Uses the New Concept Of Colored X-Ray Filters to Circumvent Many Of The Limitations of Current Spectral CT Systems	\$45,000.00	\$0	\$0.00

93	2019-08-03-94	University of Delaware	Community Mobile Healthcare & Wellness Initiative	\$0.00	\$0	\$223,120.00
94	2019-08-03-95	University of Delaware	Ultra-Thin Ply Steerable Tape Material from Short Carbon Fiber Composites	\$0.00	\$0	\$196,405.00
95	2019-08-03-96	University of Delaware	Examining the Feasibility of a Foods Skills Intervention to Improve Diet Quality in Adults	\$0.00	\$0	\$62,032.00
96	2019-08-03-97	University of Delaware	Effects of Beneficial-Use Dredged Sediment Placement on Marsh Deposition Rates and Sustainability	\$0.00	\$0	\$238,380.00
97	2019-08-03-98	University of Delaware	Recombinant Vaccine Evaluation Study	\$0.00	\$0	\$75,572.00
98	2019-08-03-99	University of Delaware	Mindfulness as a Novel Intervention for Improving Romantic Relationships	\$0.00	\$0	\$99,757.00
99	2019-08-04-01	University of Delaware	Laboratory Support for Research on Biological Control of Invasive Insect Pests such as Asian-Longhorned Borer and Emerald Ash Borer	\$15,453.00	\$0	\$0.00
100	2019-08-04-02	University of Delaware	Ammonium Regulation of Primary Production in the Delaware River	\$0.00	\$0	\$100,387.00
101	2019-08-04-03	University of Delaware	The Rice of the Future: How Growing Practices can Decrease Human Exposure to Toxins	\$0.00	\$0	\$100,000.00
102	2019-08-04-04	University of Delaware	Collaborative Research: NSF-BSF: Evaluating The Influence of Lagrangian Coherent Structures on the Patchy Distribution of Plankton in Productive Coastal Systems	\$774,561.00	\$0	\$0.00
103	2019-08-04-05	University of Delaware	Collaborative Research: The Formation and Reactivity of Layered Fe(II)-Hydroxides in Riparian Soils	\$156,392.00	\$0	\$0.00
104	2019-08-04-06	University of Delaware	Fall 2019 Oakland County Michigan Leadership Institute	\$0.00	\$0	\$66,969.00
105	2019-08-04-07	University of Delaware	Phytate Degradation and its Role in Plant Nutrition	\$356,275.00	\$0	\$0.00
106	2019-08-04-08	University of Delaware	Coupled Infusion-Cure Modeling Simulation for Low-Cost Composite Parts for Process Defects and Geometric Conformity	\$0.00	\$0	\$75,688.00
107	2019-08-04-09	University of Delaware	Machine Learning Models for Primordial Prevention of CVD	\$0.00	\$0	\$180,170.00
108	2019-08-04-10	University of Delaware	The Attribute Alignment Framework: A Novel Solution to Team Aggregation	\$7,468.00	\$0	\$0.00
109	2019-08-04-11	University of Delaware	Collaborative Research: A Pilot Array to Study Upwelling, Production and Exchange on the South Atlantic Bight Continental Shelf	\$82,969.00	\$0	\$0.00
110	2019-08-04-12	University of Delaware	Isolated Single Metal Atoms Supported on Silica for One-Step Non-Oxidative Methane Upgrading to Hydrogen and Value-Added Hydrocarbons	\$0.00	\$0	\$327,870.00

111	2019-08-10-01	Delaware State University	Federal Work-Atudy	194,699.00	\$0	\$0
112	2019-08-10-02	Delaware State University	Limbic-predominant TDP-43 Encephalopathy Influences Network Connectivity	\$3,796,732.00	\$0	\$0
113	2019-08-10-03	Delaware State University	Biology, Bioinformatics & Chemistry Academy for Research Scholars (82-CARS): A Partnership to Address Human Health Through Waste Water Remediation	\$1,309,182.00	\$0	\$0
114	2019-08-10-04	Delaware State University	Enhanced Academic Literacy: Digital Innovation	\$128,445.00	\$0	\$0
115	2019-08-10-05	Delaware State University	Microbolometers with Metamaterial Absorber for High Figures of Merits	\$659,683.00	\$0	\$0
116	2019-08-10-06	Delaware State University	Intergovernmental Personnel Act	\$32,105.00	\$2,301.00	\$0
117	2019-08-10-07	Delaware State University	Ultra-High Precision Sensing of Hazardous Chemicals and Isotopic Signatures Using Portable Frequency (Dual) Comb Mid-IR Sensor Systems	\$529,968.00	\$0	\$0
118	2019-08-10-08	Delaware State University	AG Discovery Summer Enrichment	\$53,084.00	\$0	\$0

**Delaware State Clearinghouse Committee
REVISED September Agenda**

September 24, 2019

Item	SAI#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
New Business*									
1	4176	Department of Health and Social Services, State Service Centers, State Service Centers	AmeriCorps State Formula Fixed Amount	\$60,800	\$0	\$0	0.00	0.00	0.00
2	4183	Department of Health and Social Services, Public Health, Community Health	State Maternal Health Innovation Program	\$9,549,810	\$0	\$0	0.00	0.00	0.00
3	2019-07-02-01	Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse	2019 Transformation Transfer Initiative (TTI)	\$0	\$0	\$150,000	0.00	0.00	0.00
4	4155	Department of Natural Resources and Environmental Control, Division of Climate, Coastal, and Energy	Assessing beneficial use of dredged sediments for resili	\$75,000	\$75,000	\$0	0.00	0.00	0.00
5	4162	Department of Natural Resources and Environmental Control, Division of Watershed Stewardship	Prime Hook Wetland Restoration Monitoring	\$30,107	\$0	\$0	0.00	0.00	0.00
6	4165	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	C-9-L-1 Thousand Acre Marsh Wetland Protection	\$390,000	\$212,000	\$812	0.00	0.00	0.00
Continued									
1	4211	Executive, Criminal Justice, Criminal Justice Council	Project Safe Neighborhoods 2019	\$94,854	\$0	\$0	0.50	0.00	0.00
2	3644 Amendment	Executive, Criminal Justice, Statistical Analysis Centers	State Justice Statistics Program for Statistical Analysis Centers	\$67,953	\$0	\$0	0.90	0.00	0.00
3	4140	Legal, Department of Justice	Medicaid Fraud Control Unit	\$1,903,169	\$634,404	\$0	13.75	4.25	0.00
4	4185	Department of State, Office of the Secretary, Administration	State Trade Expansion Program	\$289,617	\$96,538	\$0	0.00	0.00	0.00
5	4076	Department of Health and Social Services, Public Health, Community Health	Delaware State Drinking Water Revolving Fund	\$11,004,000	\$2,200,800	\$0			
6	4135	Department of Health and Social Services, Visually Impaired, Visually Impaired Services	Vocational Rehabilitation - Blind (Basic Support)	\$1,293,382	\$350,119	\$0	14.00	1.00	0.00
7	4144	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
8	4161	Department of Health and Social Services, Public Health, Community Health	Maternal and Child Health Services	\$1,993,981	\$13,260,850	\$0	18.75	53.40	0.00
9	4167	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification - Medicare	\$1,914,694	\$0	\$0	11.20	0.00	0.00
10	4168	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification -Medicaid	\$1,156,353	\$639,846	\$0	9.45	6.75	0.00
11	4169	Department of Health and Social Services, Division of Health Care Quality	Centers for Medicare and Medicaid Services Survey and Certification - Hospice	\$21,529	\$0	\$0	0.18	0.00	0.00
12	4192	Department of Health and Social Services, Administration, Office of the Secretary	State Loan Repayment Program	\$675,000	\$675,000	\$0	0.00	0.00	0.00
13	4193	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
14	4194	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services	Title III B Supportive Services	\$1,758,443	\$2,224,520	\$0	12.75	18.25	0.00
15	4206	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
16	4207	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

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

17	4210	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services	Title III Disease Prevention and Health Promotion	\$98,661	\$0	\$0	0.00	0.00	0.00
18	4212	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services	Title III E National Family Caregivers Support	\$702,702	\$270,000	\$0	3.00	0.00	0.00
19	4216	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	State Opioid Response (SOR)	\$6,574,372	\$0	\$0	0.00	0.00	0.00
20	4217	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services	Title III C-2 Home Delivered Meals	\$1,076,146	\$2,238,512	\$0	0.00	0.00	0.00
21	4222	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration, Community Services	Title III C-1 Congregate Meals	\$2,192,637	\$1,226,408	\$0	4.50	7.25	0.00
22	4213	Department of Services for Children, Youth and Their Families, Family Services, Intervention, Treatment	IV-E Adoption	\$1,900,000	\$1,900,000	\$0	0.00	0.00	0.00
23	4215	Department of Services for Children, Youth and Their Families, Management Support Services, Office of the Secretary	IV-E Foster Care	\$1,844,456	\$1,844,456	\$0	2.34	2.34	0.00
24	4218	Department of Services for Children, Youth and Their Families, Division of Prevention and Behavioral Health Services, Prevention, Early Intervention	Community Alliance Behavioral Health & Well-being	\$400,000	\$234,652	\$0	0.00	1.03	0.00
25	4219	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
26	4221	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	0.35	0.00
27	4103	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Joint Enforcement Agreement	\$200,140	\$600	\$0	1.85	0.00	0.00
28	4107	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	T2-1-T-7 Environmental Review and Technical Assistance	\$420,875	\$226,625	\$0	0.07	0.25	0.00
29	4149	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Hazardous Waste Management Program	\$2,370,000	\$790,000	\$0	8.25	0.75	1.45
30	4154	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-37-R-10 Stream and Tidal Tributary Fish Survey	\$31,344	\$10,448	\$0	0.24	0.01	0.00
31	4156	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	T-11-P-8 National and Regional Conservation Coord	\$113,750	\$61,250	\$0	0.02	0.13	0.00
32	4159	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	T2-18-R-4 Avian Conservation Projects	\$268,707	\$144,714	\$0	2.60	0.17	0.00
33	4160	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	T2-19-R-3 Delmarva Fox Squirrel Conservation Plan	\$327,445	\$176,315	\$0	1.17	0.10	0.00
34	4170	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Air Pollution Control	\$3,480,813	\$2,641,545	\$0	11.20	6.35	0.00
35	4181	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	T2-20-R-3 Pollinator Species of Greatest Conserv.	\$185,010	\$99,621	\$0	0.00	0.09	0.00
36	4126	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous	Leaking Underground Storage Tank Prevention	\$763,437	\$254,478	\$0	2.70	0.75	0.00
37	4127	Department of Safety and Homeland Security, State Police, Criminal Investigation	Port Security Program	\$465,000	\$55,000	\$0	0.00	0.00	0.00
38	4189	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Instant Criminal Background Check Sstem (NICS) Act - Record Improvement Program (NARIP)	\$324,500	\$0	\$0	0.00	0.00	0.00
39	4191	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Criminal History Improvement Program	\$161,100	\$17,900	\$0	0.00	0.00	0.00
40	4190	Department of Labor, Unemployment Insurance	Unemployment Insurance Administration Grant	\$11,419,424	\$0	\$0	127.00	0.00	0.00
41	4198	Department of Labor, Industrial Affairs, Anti-Discrimination	Equal Employment Oppurtunity Commission	\$262,660	\$0	\$0	3.00	0.00	0.00
42	4203	Department of Labor, Division of 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

43	4204	Department of Labor, Division of Industrial Affairs, Occupational Safety and Health Administration, Bureau of Labor Statistics	Occupational Safety and Health Consultation	\$454,400	\$50,489	\$0	5.50	0.50	0.00
44	4208	Department of Labor, Unemployment Insurance	Trade & Alternative Trade Adjustment Benefits	\$2,000,000	\$0	\$0	0.00	0.00	0.00
45	2981 Amendment	Department of Labor, Employment and Training, Employment and Training Services	Apprenticeship USA Expansion Grant (Mod)	\$968,879	\$0	\$0	0.85	0.00	0.00
46	4171	Department of Agriculture, Forest Service	Conservation Reserve Program Sign up 51	\$4,332	\$0	\$0	0.00	0.00	0.00
47	4172	Department of Agriculture, Food Products Inspection	Public Health Data Communication Infrastructure System (PHDCIS)	\$1,000	\$0	\$0	0.00	0.00	0.00
48	4174	Department of Agriculture, Administration	Specialty Crop Block Grant	\$359,016	\$0	\$0	0.00	0.00	0.00
49	4175	Department of Agriculture, Agricultural Lands Preservation Foundation	Agricultural Conservation Easement Program	\$5,000,000	\$5,000,000	\$0	0.00	0.00	0.00
50	4177	Department of Agriculture, Administration	Senior Farmer's Market Nutrition Program	\$30,000	\$0	\$0	0.00	0.00	0.00
51	4182	Department of Agriculture, Food Products Inspection	Cross Utilization	\$270,000	\$0	\$0	3.60	0.00	0.00
52	4184	Department of Agriculture, Food Products Inspection	Meat Inspection	\$312,532	\$312,532	\$0	2.50	2.50	0.00

Higher Education

1	4199	Delaware Technical and Community College	Educational Talent Search (ETS) - 4th Allotment	\$351,074	\$0	\$0			
2	2019-09-07-01	University of Delaware	SCC-IRG Track 1: A Socially-Adaptable and Policy-Driven Mobility for Smart Cities	\$942,196.00	\$0	\$0.00			
3	2019-09-07-02	University of Delaware	Understanding the Impact of Local Environment of Surface Nitrogen on Electrochemical Nitrogen Reduction Reaction	\$331,364.00	\$0	\$0.00			
4	2019-09-07-03	University of Delaware	Combining Observational Technologies With Survey Methodologies Using Energy End Use as Metric of Study	\$292,482.00	\$0	\$0.00			
5	2019-09-07-04	University of Delaware	Competing Instability Mechanisms in Hypersonic Boundary Layers	\$274,565.00	\$0	\$0.00			
6	2019-09-07-05	University of Delaware	Imaging Genetics Study of Twins Who Stutter	\$0.00	\$0	\$4,686.00			
7	2019-09-07-06	University of Delaware	Scholars: StateE Space Axioms for Quantum Field Theory	\$65,399.00	\$0	\$0.00			
8	2019-09-07-07	University of Delaware	A Longitudinal Study of Neural Network Development in Children Who Stutter	\$0.00	\$0	\$68,138.00			
9	2019-09-07-08	University of Delaware	Effects of Prenatal Opioid Exposure on Infant Autonomic Physiology	\$192,051.00	\$0	\$0.00			
10	2019-09-07-09	University of Delaware	1987-1554: Faster-Than-Real-Time Simulation for Resilient Der Integration	\$0.00	\$0	\$351,615.00			
11	2019-09-07-10	University of Delaware	Quantifying Soil Health Impacts and Pest Dynamics in Diverse Winter Cropping Systems	\$397,851.00	\$0	\$0.00			
12	2019-09-07-11	University of Delaware	Acquisition of Goods and Services	\$18,182.00	\$0	\$0.00			

13	2019-09-07-12	University of Delaware	SBA Portable Assistance Program, OSBDC-2018-06 Option 1	\$91,743.00	\$0	\$0.00
14	2019-09-07-13	University of Delaware	Central Neural Mechanisms of Mobility Limitations in Older Adults	\$0.00	\$0	\$127,029.00
15	2019-09-07-14	University of Delaware	FCC NDBEDP National Deaf-Blind Equipment Distribution Program	\$62,853.00	\$0	\$0.00
16	2019-09-07-15	University of Delaware	Coaching and Professional Learning Support to Mathematics Teachers Aa Laurel High School to Support Curriculum Implementation	\$0.00	\$0	\$20,557.00
17	2019-09-07-16	University of Delaware	Growth and Characterization of Quantized Antimony-Based Topological Insulators	\$0.00	\$0	\$50,000.00
18	2019-09-07-17	University of Delaware	Collaborative Research:A Two Million Year History of Ocean-Atmosphere Co2 Exchange in the Antarctic Zone of the Southern Ocean	\$106,098.00	\$0	\$0.00
19	2019-09-07-18	University of Delaware	Electrochemical Platform for Chemical Synthesis from Carbon Monoxide	\$45,000.00	\$0	\$0.00
20	2019-09-07-19	University of Delaware	PPARg As a Key Regulator of Sex-Based Differences in Bronchopulmonary Dysplasia	\$192,514.00	\$0	\$0.00
21	2019-09-07-20	University of Delaware	Modulating Drug Biodistribution for Fetal Health During Systemic Maternal Delivery for Pre-Eclampsia Treatment	\$192,514.00	\$0	\$0.00
22	2019-09-07-21	University of Delaware	Behavioral and Computational Processes of Motor Learning in Parkinson Disease	\$0.00	\$0	\$250,000.00
23	2019-09-07-22	University of Delaware	The Role of Oxidative Stress and Endothelial Dysfunction in Sodium-Induced Changes in Pulsatile Hemodynamics	\$0.00	\$0	\$128,836.00
24	2019-09-07-23	University of Delaware	The Heart and Brain Connection in Chronic Kidney Disease	\$0.00	\$0	\$128,836.00
25	2019-09-07-24	University of Delaware	Collaborative Research: Modeling Wave Breaking Onset and Dissipation in Energy-Conserving Models for Surface Waves	\$156,887.00	\$0	\$0.00
26	2019-09-07-25	University of Delaware	Advancing Infrared Technology Using a New Device Paradigm	\$339,891.00	\$0	\$0.00
27	2019-09-07-26	University of Delaware	Administrative SupplementTo R01Gm132460 Via Nih Cf-Gsp	\$100,000.00	\$0	\$0.00
28	2019-09-07-27	University of Delaware	Christiana Care Unite Us Pade 19/20 Partner Organization	\$0.00	\$0	\$16,500.00
29	2019-09-07-28	University of Delaware	Christiana Care Health System Teen Pipeline PADE 19/20 Partner Organization	\$0.00	\$0	\$16,500.00
30	2019-09-07-29	University of Delaware	West Side Grows Together PADE 19/20 Partner Organization	\$0.00	\$0	\$16,500.00
31	2019-09-07-30	University of Delaware	LYTE PADE 19/20 Partner Organization	\$0.00	\$0	\$14,500.00

32	2019-09-07-31	University of Delaware	Florida Developmental Disabilities Network Collaborative Leadership Program Year 2	\$0.00	\$0	\$120,358.00
33	2019-09-07-32	University of Delaware	United Way of De Community Impact PADE 19/20 Partner Organization	\$0.00	\$0	\$16,500.00
34	2019-09-07-33	University of Delaware	My Art Speaks for Both My Peoples: A Symposium on Elizabeth Catlett	\$0.00	\$0	\$3,000.00
35	2019-09-07-34	University of Delaware	Tech Impact PADE 19/20 Partner Organization	\$0.00	\$0	\$16,500.00
36	2019-09-07-35	University of Delaware	Delaware Youth Leadership Network PADE 19/20 Partner Organization	\$0.00	\$0	\$12,500.00
37	2019-09-07-36	University of Delaware	Urban Pike Project PADE 19/20 Partner Organization	\$0.00	\$0	\$12,500.00
38	2019-09-07-37	University of Delaware	Collaborative Research: Effects of Climate Variability on Deep-Sea Hydrodynamics and Vent Larval Dispersal at an Ocean Ridge	\$145,168.00	\$0	\$0.00
39	2019-09-07-38	University of Delaware	CRII: NeTS: Towards Formal Methods For Characterizing And Mitigating Online False Information In Non-Network Social Media	\$114,232.00	\$0	\$0.00
40	2019-09-07-39	University of Delaware	Collaborative Research: Lifetime Consequences of Early Life Experience in Fish: The Impact of Nursery Habitats on Population Dynamics In A Changing Ocean	\$426,574.00	\$0	\$0.00
41	2019-09-07-40	University of Delaware	Updating and Extending The Dynamic Process Tracing Environment Experimental Research Platform	\$172,471.00	\$0	\$0.00
42	2019-09-07-41	University of Delaware	Cooperative Robot Planners for Currently Infeasible Tasks	\$233,937.00	\$0	\$0.00
43	2019-09-07-42	University of Delaware	Collaborative Research: Understanding and Modeling of Thermal Transport Processes Within Near-Ground Atmosphere in the Presence of Utility-Scale Solar Photovoltaics (PV) Plants	\$28,435.00	\$0	\$0.00
44	2019-09-07-43	University of Delaware	Robust Visual-Inertial Estimation And Perception for Long-Term Autonomy	\$371,365.00	\$0	\$0.00
45	2019-09-07-44	University of Delaware	Quantitative Modeling of the Ultraviolet Spectra Of Magnetic Massive Stars	\$97,013.00	\$0	\$0.00
46	2019-09-07-45	University of Delaware	Linking Data and Policy to Improve College Readiness in Delaware	\$886,020.00	\$0	\$0.00
47	2019-09-07-46	University of Delaware	Cinnaire PADE 19/20 Partner Organization	\$0.00	\$0	\$16,500.00
48	2019-09-07-47	University of Delaware	DCRAC PADE 19/20 Partner Organization	\$0.00	\$0	\$16,500.00
49	2019-09-07-48	University of Delaware	Evaluating the Efficacy of Supporting Movement Activity for Reasoning and Thinking in Play (Smart-Play) For Infants With Motor Delays Under 2 Years of Age	\$0.00	\$0	\$404,430.00
50	2019-09-07-49	University of Delaware	Collaborative Research: Investigation Of The Diffusive Air-Sea Flux Of Oc In A Temperate Estuary	\$311,996.00	\$0	\$0.00

51	2019-09-07-50	University of Delaware	Value in Diversity In Legislatures	\$218,620.00	\$0	\$0.00
52	2019-09-07-51	University of Delaware	Rapid and Precise Measurements Of $\delta^{13}C$ -DIC and DIC Concentration on Board Go-Ship Cruises (A13.5 And A25) to Enhance Our Ability to Quantify Anthropogenic Co2 Uptake Rates by the Ocean	\$297,844.00	\$0	\$0.00
53	2019-09-07-52	University of Delaware	Crii: Cif: A Fresh Look At Network Information Theory: Geometric And Functional Approaches	\$114,543.00	\$0	\$0.00
54	2019-09-07-53	University of Delaware	NSF-BSF Collaborative Research: Quantifying Long-Term Seawater Circulation in Aquifers and its Potential Role in Element Budgets in The Ocean	\$203,413.00	\$0	\$0.00
55	2019-09-07-54	University of Delaware	The Institute for Cyber Resilient Energy-Efficient Manufacturing (CREM)	\$0.00	\$0	\$3,858,496.00
56	2019-09-07-55	University of Delaware	Emergency Poultry Disease Response and Policy (EPDRP) International Symposium	\$356,288.00	\$0	\$0.00
57	2019-09-07-56	University of Delaware	Fact for Soils: Cyber Informatics to Improve Knowledge of Soil Carbon Dynamics	\$356,695.00	\$0	\$0.00
58	2019-09-07-57	University of Delaware	Higher Education Partnerships: Building Infrastructure for the Future	\$893,755.00	\$0	\$0.00
59	2019-09-07-58	University of Delaware	Collaborative Research: Microbial Nutrient Dynamics of Gulf of Mexico Methane Seeps	\$492,601.00	\$0	\$0.00
60	2019-09-07-59	University of Delaware	Quality Over Compliance: Assessing the Delaware Performance Appraisal System for Quality, Fidelity, and Alignment	\$1,080,928.00	\$0	\$0.00
61	2019-09-07-60	University of Delaware	Paving the Way For Fractions: Exploring Foundational Fraction Concepts and Learning in First Grade	\$919,085.00	\$0	\$0.00
62	2019-09-07-61	University of Delaware	DCCS Online: Esl and Classroom Teachers Working Together with Students and Families	\$0.00	\$0	\$106,186.00
63	2019-09-07-62	University of Delaware	CRII: CHS: Joint Attention And Collaboration In Virtual Environments: Understanding And Developing Gaze Patterns Of Individuals With Autism In Collaborative Virtual Settings	\$114,653.00	\$0	\$0.00
64	2019-09-07-63	University of Delaware	Targeting Mathematical Misconceptions and Improving Procedural Fluency: An Exploration of Individual Differences in Learning Through Errors	\$997,554.00	\$0	\$0.00
65	2019-09-07-64	University of Delaware	Delaware Youth Firearms Prevention	\$0.00	\$0	\$35,168.00
66	2019-09-07-65	University of Delaware	Carbon Sequestration in the Urban Landscape	\$0.00	\$0	\$47,776.00
67	2019-09-07-66	University of Delaware	Anisotropic Imaging of the Alaska-Aleutian Subduction Zone from Shear Wave Splitting Analyses	\$144,817.00	\$0	\$0.00
68	2019-09-07-67	University of Delaware	Walmart Healthy Living Initiative FY 2020	\$0.00	\$0	\$57,273.00
69	2019-09-07-68	University of Delaware	Development and Validation of the Recognizing Excellence in Learning and Teaching (RELATE) Tool for Inclusive Classroom Observation	\$940,644.00	\$0	\$0.00

70	2019-09-07-69	University of Delaware	Deep Ocean Circulation and Water Mass Structure in the High Latitude South Pacific Across the Plio/Pleistocene	\$0.00	\$0	\$11,266.00
71	2019-09-07-70	University of Delaware	Engineering Biosynthesis of an Adhesive Eip And An Antifouling Coating by Grafting Cyanophycin	\$358,105.00	\$0	\$0.00
72	2019-09-07-71	University of Delaware	Upward Bound Program	\$322,228.00	\$0	\$0.00
73	2019-09-07-72	University of Delaware	Upward Bound Math & Science Year 3	\$303,356.00	\$0	\$0.00
74	2019-09-07-73	University of Delaware	Literacy Trajectories in the Early Grades: Exploring The Role of Student, Teacher, and School Factors	\$0.00	\$0	\$76,732.00
75	2019-09-07-74	University of Delaware	Rapid Center for EM-Enhanced Thermochemical Reaction Engineering (EMETRE)	\$0.00	\$0	\$772,944.00
76	2019-09-07-75	University of Delaware	Advancing Accelerated Bridge Construction with Ultra-High Performance Concrete Field-Cast Connections	\$0.00	\$0	\$40,000.00
77	2019-09-07-76	University of Delaware	Stochastic Methods for Studying Biochemical Processes Inside Single Cells	\$156,829.00	\$0	\$0.00
78	2019-09-07-77	University of Delaware	Understanding the Impact of Tennessee's Achievement School District and Ongoing School Improvement Under ESSA	\$0.00	\$0	\$13,058.00
79	2019-09-07-78	University of Delaware	USAD SLBC FY20	\$1,344,100.00	\$0	\$0.00
80	2019-09-07-79	University of Delaware	Interaction Dynamics and the Development of Structure in Ti-Pure System	\$0.00	\$0	\$184,501.00
81	2019-09-07-80	University of Delaware	An Evaluation of Turning Around North Carolina's Lowest Performing Schools: A State Partnership Evaluation	\$0.00	\$0	\$27,576.00
82	2019-09-07-81	University of Delaware	Evaluation of The Longer-Term Impacts and Examination of the Descriptive Outcomes of the Ongoing School Improvement Under ESSA.	\$0.00	\$0	\$32,661.00
83	2019-09-07-82	University of Delaware	An Efficacy Study To Evaluate Conceptual Model-Based Problem Solving -- A Computer-Assisted Mathematics	\$0.00	\$0	\$599,714.00
84	2019-09-07-83	University of Delaware	JPMC FSAN PHD Student Tuition and Stipend Support Funds	\$0.00	\$0	\$726,440.00
85	2019-09-07-84	University of Delaware	Assessing Dual Language Learners: Turning the Right Thing to Do into the Easy Thing to Do	\$992,355.00	\$0	\$0.00
86	2019-09-07-85	University of Delaware	Comcast NBCUniversal Energy Assessment Program	\$0.00	\$0	\$17,341.00
87	2019-09-07-86	University of Delaware	Mycogens Footwear: Producing Biodegradable Shoes Using Renewably Sourced Materials.	\$0.00	\$0	\$5,000.00
88	2019-09-07-87	University of Delaware	New Routes to Triggering Polymer Properties Via Intra and Intermolecular Reactions	\$0.00	\$0	\$717,599.00

89	2019-09-07-88	University of Delaware	JPMC PHD Faculty Fellows Support Funds	\$0.00	\$0	\$2,970,170.00
90	2019-09-07-89	University of Delaware	University of Delaware Education Sciences Predoctoral Fellows Training Program	\$4,150,180.00	\$0	\$0.00
91	2019-09-07-90	University of Delaware	Role Of Phagocytosis in Driving Changes to Viability, Activation, and Aging of the Innate Immune System	\$937,500.00	\$0	\$0.00
92	2019-09-07-91	University of Delaware	Deepwater Auv Surveys Of WWII U.S. Cultural Assets in the Saipan Channel	\$0.00	\$0	\$31,250.00
93	2019-09-07-92	University of Delaware	Pathway to Secondary Stem Teacher Residencies in Delaware High Schools	\$64,373.00	\$0	\$0.00
94	2019-09-07-93	University of Delaware	Impacts of Extreme Climatic Events and Infrastructure Development on Smallholder Agriculture in Vietnam	\$110,901.00	\$0	\$0.00
95	2019-09-07-94	University of Delaware	Robust Visual-Inertial Estimation in Challenging Environments	\$0.00	\$0	\$80,000.00
96	2019-09-07-95	University of Delaware	Using Sleep Health to Optimize Smoking Cessation Treatment Response in HIV-Positive Adults	\$0.00	\$0	\$250,420.00
97	2019-09-07-96	University of Delaware	Public Allies FY20 National Support	\$0.00	\$0	\$334,287.00
98	2019-09-07-97	University of Delaware	KOCH FDTN BREWER 2019	\$0.00	\$0	\$92,100.00
99	2019-09-07-98	University of Delaware	Achieving Positive Youth Development in The Context of Healthy Food Environments: Leaders for Healthy Change	\$0.00	\$0	\$155,668.00
100	2019-09-07-99	University of Delaware	Acquisition of Goods And Services	\$15,455.00	\$0	\$0.00
101	2019-09-08-01	University of Delaware	The Baby Play Program: Promoting Motor, Cognitive, and Language Outcomes for Preterm Infants Through Parent Education	\$1,122,768.00	\$0	\$0.00
102	2019-09-08-02	University of Delaware	Office of Education - Student Support Services Program - Grant Application 2015/20	\$607,508.00	\$0	\$0.00
103	2019-09-08-03	University of Delaware	Rebuilding Provisions Under the Magnuson-Stevens Act: Impacts on Biomass, Catch and Employment	\$329,452.00	\$0	\$0.00
104	2019-09-08-04	University of Delaware	Small Business Administration Cooperative Agreement FY19-20	\$516,319.00	\$0	\$0.00
105	2019-09-08-05	University of Delaware	Career: The Measurement and Influence of Mathematics Motivation in a Digital Context	\$629,016.00	\$0	\$0.00
106	2019-09-08-06	University of Delaware	Using VIIRS to Operationalize Dynamic Ebm Tools on the U.S. East and West Coasts	\$0.00	\$0	\$44,128.00
107	2019-09-08-07	University of Delaware	IES Writing Across Levels of Language in 1st Grade	\$1,094,676.00	\$0	\$0.00

108	2019-09-08-08	University of Delaware	Early Childhood Quality Improvement Pathway System (EQUIPS): Refining a New Program Quality Measure for Use in State Quality Rating and Improvement Systems	\$1,290,734.00	\$0	\$0.00
109	2019-09-08-09	University of Delaware	Exploring the Association Between Video Chat Reading and Preschoolers Vocabulary Learning, Story Comprehension, and Print Concept Knowledge	\$1,212,387.00	\$0	\$0.00
110	2019-09-08-10	University of Delaware	Dynamic Engineered Materials For In-Vitro Models Of Cardiobiology	\$937,500.00	\$0	\$0.00
111	2019-09-08-11	University of Delaware	USDA Hatch Multistate FY20	\$499,301.00	\$0	\$0.00
112	2019-09-08-12	University of Delaware	Delaware Climate Plan: Technical Assistance and Public Engagement	0.00	\$0	\$140,005
113	2019-09-08-13	University of Delaware	Investigating the Interannual Variability of Salinity Around the Global Ocean with Satellite and Other Data Products	\$401,713.00	\$0	\$0
114	2019-09-08-14	University of Delaware	Development of Bio-Inspired Nano-Sensors for Underwater Explosives and Hazardous Materials	\$0.00	\$0	\$112,009
115	2019-09-08-15	University of Delaware	Theoretical Support for The IMAP Project In Phase B	\$0.00	\$0	\$21,909
116	2019-09-08-16	University of Delaware	MARACOOS : Preparing For A Changing Mid-Atlantic	\$0.00	\$0	\$347,431
117	2019-09-08-17	University of Delaware	Silicon Carbide Grain Boundary Strength	\$0.00	\$0	\$0
118	2019-09-08-18	University of Delaware	Teen Warehouse PADE 19/20 Partner Organization	\$0.00	\$0	\$16,500
119	2019-09-08-19	University of Delaware	Delaware Hatch (Regular Fund) FY 20	\$1,129,569.00	\$0	\$0
120	2019-09-08-20	University of Delaware	An Evaluation of Turning Around North Carolina Lowest Performing Schools: A State Partnership Evaluation	\$0.00	\$0	\$52,303
121	2019-09-08-21	University of Delaware	A Statistical Learning Framework for Phylogenetic Inference: Information, Uncertainty, and Geometry	\$146,615.00	\$0	\$0
122	2019-09-08-22	University of Delaware	REU Site: Sustainable Resilient Transportation Systems	\$356,410.00	\$0	\$0
123	2019-09-08-23	University of Delaware	REU Site: Advanced Biomolecular Materials	\$350,758.00	\$0	\$0
124	2019-09-08-24	University of Delaware	Examining the Efficacy of A Fraction Sense Intervention Grounded in Principles From the Science of Learning	\$2,090,471.00	\$0	\$0
125	2019-09-08-25	University of Delaware	Effects of Exercise on Skeletal Health in Iron Deficient Female Rats (Bone Mineral Composition Analysis)	\$0.00	\$0	\$2,000
126	2019-09-08-26	University of Delaware	Tuning Degradation Rates of Dry Powder Hydrogel Nanoparticle Formulations to Drive Antigen-Specific Immune Responses in the Lung	\$0.00	\$0	\$100,000

127	2019-09-08-27	University of Delaware	A Language Comprehension Screener for 2-Year-Old Spanish and Chinese-Speaking Dual Language Learners.	\$1,214,732.00	\$0	\$0
128	2019-09-08-28	University of Delaware	Neural Markers of Persistence and Recovery from Childhood Stuttering: An FmMRI Study of Continuous Speech Production	\$51,665.00	\$0	\$0
129	2019-09-08-29	University of Delaware	Documenting Disappearing Dairy Farms	\$0.00	\$0	\$44,436
130	2019-09-08-30	University of Delaware	Lyapunov Technologies LLC, STTR Phase I Open Topic AF19B-T001	\$22,440.00	\$0	\$0
131	2019-09-08-31	University of Delaware	4Th Phase Water Technologies, LLC, AF19B-T001	\$25,000.00	\$0	\$0
132	2019-09-08-32	University of Delaware	The Role of Beliefs and Aspirations on Parental Behavior and Their Impact on Childhood Interventions	\$0.00	\$0	\$106,949
133	2019-09-08-33	University of Delaware	Inverse Problems in Electromagnetic Wave Propagation	\$0.00	\$0	\$167,831
134	2019-09-08-34	University of Delaware	CY2019 NSF OPS Support	\$244,400.00	\$0	\$0
135	2019-09-08-35	University of Delaware	Porting the MPS/University Of Chicago Radiative MHD Models to GPUs Using OpenACC	\$0.00	\$0	\$42,263
136	2019-09-08-36	University of Delaware	Educational Affiliation and Biomedical Services	\$0.00	\$0	\$150,152
137	2019-09-08-37	University of Delaware	Additive and Transformative Manufacturing Ipt	\$0.00	\$0	\$174,844
138	2019-09-08-38	University of Delaware	Florida Developmental Disabilities Network Collaborative Leadership Program Year 2	\$0.00	\$0	\$120,358
139	2019-09-08-39	University of Delaware	Patient Experience Academy at Wilmington VA Medical Center	\$124,337.00	\$0	\$0
140	2019-09-08-40	University of Delaware	Christiana Care Health Care Services Research Amendment 7	\$0.00	\$0	\$34,002
141	2019-09-08-41	University of Delaware	Christiana Care Health Care Services Research Amendment 8	\$0.00	\$0	\$41,398
142	2019-09-08-42	University of Delaware	Christiana Care Health Care Services Research Amendment 9	\$0.00	\$0	\$39,160
143	2019-09-08-43	University of Delaware	iManage-SCI: Improving Bowel and Bladder Symptom Monitoring and Self-Management After SCI	\$499,999.00	\$0	\$0
144	2019-09-08-44	University of Delaware	Initial Evaluation of An eHealth Self-Management System to Reduce Depression and Increase Resilience After SCI	\$1,249,939.00	\$0	\$0
145	2019-09-08-45	University of Delaware	Flow of Structuring Gels	\$0	\$0	\$15,666

146	2019-08-31-01	Delaware State University	Assessment of New Technologies for Water Purification in Aquaculture	\$0	\$0	\$19,923.00
147	2019-08-31-02	Delaware State University	High-resolution Spectroscopic VOC Profiling Using Mid-IR Detection and Machine Learning	\$120,764.00	\$0	\$0
148	2019-08-31-03	Delaware State University	Rural Development Through Farm to University Linkages	\$74,371.00	\$0	\$0
149	2019-08-31-04	Delaware State University	Health Fund FY 2020	\$0	\$192,425.00	\$0
150	2019-08-31-05	Delaware State University	Cover Crop and Soil Health Training for Agriculture Service Providers in DE and the Eastern Shore of Maryland	\$0	\$0	\$83,332.00

09/23/19

**Delaware State Clearinghouse Committee
October Agenda**

October 23, 2019

Item	SAI#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
New Business*									
1	4166	Department of Health and Social Services, Visually Impaired, Visually Impaired Services	Independent Living Services for Older Indiv. Who Are Blind	\$225,000	\$212,872	\$0	1.75	3.00	0.00
2	4209	Department of Health and Social Services, Social Services	Community Development Block Grant Rental Assistance	\$9,792	\$10,008	\$0	0.00	0.00	0.00
3	4225	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-86-D-1 Non-Tidal Boating & Fishing Access Areas	\$862,500	\$287,500	\$0	0.00	0.48	0.00
4	4226	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-87-D-1 Tidal Boating and Fishing Access Areas	\$1,068,750	\$356,250	\$0	0.00	0.48	0.00
Continued									
1	4011	Executive, Criminal Justice, Criminal Justice Council	John R. Justice Grant	\$32,060	\$0	\$0	0.01	0.00	0.00
2	4173	Executive, Office of Management and Budget, Government Support Services, Food Distribution	State Administrative Expense Funds	\$133,288	\$0	\$0	0.60	0.00	0.00
3	4227	Executive, Office of Management and Budget, Government Support Services, Food Distribution	Commodity Supplemental Food Program	\$169,912	\$0	\$0	0.00	0.00	0.00
4	4228	Executive, Office of Management and Budget, Government Support Services, Food Distribution	The Emergency Food Assistance Program	\$344,506	\$116,085	\$0	1.40	2.70	0.00
5	4244	Executive, Criminal Justice, Criminal Justice Council	Sexual Assault Services Program	\$377,493	\$0	\$0	0.20	0.00	0.00
6	4022 Amendment	Executive, Office of Management and Budget, Government Support Services, Food Distribution	The Emergency Food Assistance Program (TEFAP) Trade Mitigation	\$116,500	\$0	\$0	0.00	0.00	0.00
7	4249	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients & Provider Act	\$42,805	\$0	\$0	1.00	0.00	0.00
8	4145 Later changed to 4313	Department of Health and Social Services, Social Services	Senior Medicare Patrol Program Funds	\$241,734	\$0	\$0	1.00	0.00	0.00
9	4186	Department of Health and Social Services, Public Health, Community Health	Tuberculosis Elimination and Laboratory Cooperative	\$1,095,545	\$0	\$0	1.30	0.00	0.00
10	4187	Department of Health and Social Services, Social Services	Medicare Improvements for Patient Providers Act Age (MIPPA-AAA)	\$23,730	\$0	\$0	0.00	0.00	0.00
11	4188	Department of Health and Social Services, Social Services	Medicare Improvement for Patients & Providers Act - Aging and Disability Resource Centers (MIPPA-ADRC)	\$17,610	\$0	\$0	0.00	0.00	0.00
12	4220	Department of Health and Social Services, Public Health, Community Health	Hepatitis C Increased Testing and Diagnosis	\$87,980	\$0	\$0	0.00	0.00	0.00
13	4215/4281	Department of Services for Children, Youth and Their Families, Management Support Services, Office of the Secretary	IV-E Foster Care (<i>OMB Restatement of Sept Agenda Amount</i>)	\$3,197,595	\$3,197,595	\$0	2.34	2.34	0.00
14	4294	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Fund	\$11,004,000	\$2,200,800	\$0	23.20	0.00	0.00
15	4205	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	W-45-D-6 Phragmites Control on Private/Public Lands	\$843,750	\$281,250	\$0	0.12	0.09	0.00
16	4223	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-43-E-29 Delaware Aquatic Resources Education Program	\$337,500	\$112,500	\$0	1.50	0.70	0.00
17	4224	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-75-R-15 Tidal Freshwater Fisheries Program	\$67,092	\$22,634	\$0	0.68	0.04	0.00
18	4197	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazardous Materials Emergency Planning (HMEP) -1st Year	\$106,609	\$26,652	\$0	0.10	0.38	0.00

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

19	4200	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Emergency Management Performance Grant	\$3,239,095	\$2,247,895	\$991,200	19.46	18.90	0.00
20	4229	Department of Safety and Homeland Security, State Police, Training	Bulletproof Vest Partnership Program	\$301,276	\$301,276	\$0	0.00	0.00	0.00
21	4230	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 402 Planning and Administration	\$2,185,149	\$159,694	\$0	4.00	2.00	0.00
22	4231	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Sec 405D Impaired Driving Countermeasures Grant	\$1,129,221	\$0	\$0	0.00	0.00	0.00
23	4232	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405H Non-Motorized Safety Grant	\$215,716	\$0	\$0	0.00	0.00	0.00
24	4233	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405C Traffic Safety Information System Improvements Grant	\$327,560	\$0	\$0	0.00	0.00	0.00
25	4234	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405F Motorcycle Safety Grant	\$35,855	\$0	\$0	0.00	0.00	0.00
26	4235	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405B Occupant Protection Incentive Grant	\$287,422	\$0	\$0	0.00	0.00	0.00
27	4201	Department of Transportation, Planning	Statewide Continuous Aviation System Planning	\$148,499	\$16,501	\$0	0.00	0.00	0.00
28	4246	Department of Transportation, Planning	High Priority Commercial Motor Vehicle Safety (HP-CMV)	\$919,049	\$162,185	\$0	0.00	0.00	0.00
29	4247	Department of Transportation, Planning	High Priority Innovative Technology Deployment (HP-ITD)	\$1,372,468	\$242,200	\$0	0.00	0.00	0.00
30	4248	Department of Labor, Administration, Office of Occupational and Labor Market Information	Labor Market Information	\$529,338	\$0	\$0	6.50	0.00	0.00
31	4256	Department of Labor, Office of Occupational and Labor Market Information	Workforce Information Grant	\$300,696	\$0	\$0	1.50	0.00	0.00

Higher Education

1	4064	Delaware Technical and Community College	STEM UP Delaware Yr 5	\$484,000	\$0	\$0			
2	4240	Delaware Technical and Community College	NIH INBRE 4 (5 years 2019-2024)	\$997,495	\$0	\$0			
3	19-10-05-01	University of Delaware	Statistics of Energy Cascade and Intermittency at Inertial Range And Ion Scales in the Solar Wind and Magnetosphere	\$419,265.00	\$0	\$0.00			
4	19-10-05-02	University of Delaware	Christiana Winds at Victoria International Arts Festival	\$0.00	\$0	\$14,388.00			
5	19-10-05-03	University of Delaware	NCAA-DoD Grand Alliance: Concussion Assessment, Research and Education (CARE) Consortium - Longitudinal Clinical Study Core (CSC)	\$0.00	\$0	\$2,559.00			
6	19-10-05-04	University of Delaware	Development of Porous Coordination Cage Liquids	\$0.00	\$0	\$180,000.00			
7	19-10-05-05	University of Delaware	NOAA NWS National Mesonet Program 2019	\$0.00	\$0	\$80,684.00			
8	19-10-05-06	University of Delaware	SCC-IRG Track 2: Using Community Engagement to Develop a Deployable Sensing System for Rapid Assessment of Public Space Interventions	\$1,016,870.00	\$0	\$0.00			
9	19-10-05-07	University of Delaware	IPA Assignment Agreement	\$352,147.00	\$0	\$0.00			

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

10	19-10-05-08	University of Delaware	Assessment Oo Fiber-Reinforced Hydrogel Systems: Fundamental Factors for Effective Enhancement	\$0.00	\$0	\$162,911.00
11	19-10-05-09	University of Delaware	Secondary Analyses of RCT Data on Sensitivity Periods in Flavor Learning and Diet Among Breastfeeding Dyads	\$0.00	\$0	\$49,796.00
12	19-10-05-10	University of Delaware	Sex-Specific Differences in Meiosis	\$1,250,000.00	\$0	\$0.00
13	19-10-05-11	University of Delaware	Improving Shad Passage in the White Clay Creek (DE)	\$0.00	\$0	\$56,912.00
14	19-10-05-12	University of Delaware	Exploring and Assessing the Development of Students Argumentative Skills	\$0.00	\$0	\$39,100.00
15	19-10-05-13	University of Delaware	Nativity Prep PADE 19/20 Partner Organization	\$0.00	\$0	\$14,500.00
16	19-10-05-14	University of Delaware	STTR: DISTAT CO, Technical Training Software Platform Using Machine Learning and Augmented Reality for Air Force Maintenance and Service Operation	\$0.00	\$0	\$7,500.00
17	19-10-05-15	University of Delaware	NSF ITEST: Enhancing STEM Identity through E-Mentoring Experiences	\$0.00	\$0	\$54,753.00
18	19-10-05-16	University of Delaware	MCAO FY 19-20 Salary and Benefits - Provencal	\$0.00	\$0	\$123,555.00
19	19-10-05-17	University of Delaware	CueMinder: A Wearable Alerting Digital System For Individuals with Alzheimer'S Dementia	\$0.00	\$0	\$93,102.00
20	19-10-05-18	University of Delaware	Computational Modeling of Radiofrequency Devices and Materials	\$0.00	\$0	\$22,436.00
21	19-10-05-19	University of Delaware	Blue Hen Proof of Concept (a program run by Horn Entrepreneurship at the University of Delaware [UD])	\$50,000.00	\$0	\$0.00
22	19-10-05-20	University of Delaware	Sustainable Egg Production Systems in the U.S.	\$0.00	\$0	\$118,911.00
23	19-10-05-21	University of Delaware	Nicotinamide Riboside Supplementation for Treating Elevated Systolic Blood Pressure and Arterial Stiffness In Middle-Aged and Older Adults	\$0.00	\$0	\$1,676.00
24	19-10-05-22	University of Delaware	Development and Evaluation of a Children's Museum Exhibit to Advance Understanding of Safe Food Systems among Children and their Caregivers for a Healthful Society	\$2,311,107.00	\$0	\$0.00
25	19-10-05-23	University of Delaware	Collaborative Research: IRES Track I: Grand Challenges for Sustainability in Island Environmental Systems	\$23,917.00	\$0	\$0.00
26	19-10-05-24	University of Delaware	Antiretroviral and Cell Transport Dynamics in An Ex Vivo Human Lymph Node Model	\$2,681,268.00	\$0	\$0.00
27	19-10-05-25	University of Delaware	University Of Delaware Renewable Resources Extension Act FY2020	\$46,448.00	\$0	\$0.00
28	19-10-05-26	University of Delaware	EVSE Modification and Vehicle Interface Module	\$0.00	\$0	\$18,233.00

29	19-10-05-27	University of Delaware	Year 2020/2021 Atlantic Sea Scallop Research Set-Aside Cooperative Research Program	\$83,429.00	\$0	\$0.00
30	19-10-05-28	University of Delaware	A Word-of-Mouth Communication Framework for High-Level Autonomy	\$0.00	\$0	\$41,547.00
31	19-10-05-29	University of Delaware	Lodging in Sorghum: The Relationship Between Brace Root Microstructures and Mechanical Behavior.	\$0.00	\$0	\$129,167.00
32	19-10-05-30	University of Delaware	Catalyst Testing	\$0.00	\$0	\$32,655.00
33	19-10-05-31	University of Delaware	Strain Anisotropy to Control Heterogeneous Catalysis	\$210,223.00	\$0	\$0.00
34	19-10-05-32	University of Delaware	Static, Cyclic and Seismic Load Responses of 2D and 3D RC Beam-Column-Slab Structures with Multifunctional Fiber Reinforced Polymer Composites	\$0.00	\$0	\$226,872.00
35	19-10-05-33	University of Delaware	Parkinson's Disease Telehealth Clinic	\$0.00	\$0	\$49,808.00
36	19-10-05-34	University of Delaware	Chalcogenide PCM Enabled Nonvolatile and Full-Color Solid-State Reflective Display	\$0.00	\$0	\$65,093.00
37	19-10-05-35	University of Delaware	Mellon Playwright UD REP Robbins 20	\$0.00	\$0	\$390,000.00
38	19-10-05-36	University of Delaware	Shallow Water Survey System- Windfarm Sensor Evaluation	\$0.00	\$0	\$56,611.00
39	19-10-05-37	University of Delaware	Real-time Waterfowl Mapping Web Application: Validating a Critical Tool for a New Era of Avian Surveillance and Food Security in Commercial Poultry	\$0.00	\$0	\$212,302.00
40	19-10-05-38	University of Delaware	Elucidating How Durable Disease Resistance Curtails Fungal Infection in Maize Using Deep-Learning Facilitated Microscopy	\$0.00	\$0	\$151,667.00
41	19-10-05-39	University of Delaware	Evaluation of Newly Introduced Parasitoids for Biocontrol of Wood-Boring Insects such as Emerald Ash Borer.	\$21,925.00	\$0	\$0.00
42	19-10-05-40	University of Delaware	Nexus Of Health And Water (Western Desert)	\$0.00	\$0	\$124,382.00
43	19-10-05-41	University of Delaware	Sloan Foundation Research Fellowship	\$0.00	\$0	\$75,000.00
44	19-10-05-42	University of Delaware	Stacked Intermediaries and the Policy Use of Research-Based Evidence	\$218,006.00	\$0	\$0.00
45	19-10-05-43	University of Delaware	Smart Constructions: Sustainable Concrete and Additive Manufacturing of Houses	\$1,414,644.00	\$0	\$0.00
46	19-10-05-44	University of Delaware	LEAP HI: Garment-Aided Rehabilitation And Assistance Of Upper Extremity Movements	\$1,307,511.00	\$0	\$0.00
47	19-10-05-45	University of Delaware	Stochastic Modeling and Inference of Phenotypic Switching in Cancer Drug Resistance	\$385,545.00	\$0	\$0.00

48	19-10-05-46	University of Delaware	NIDCR/NIH: R21 Misleading Messages, Ambivalent Attitudes: Teen Beliefs About Sports Drinks	\$277,911.00	\$0	\$0.00
49	19-10-05-47	University of Delaware	Efficacy of the START-Play Program For Infants With Neuromotor Disorders	\$0.00	\$0	\$39,028.00
50	19-10-05-48	University of Delaware	Life: Life Identification With Fluorescence And Electrophoresis	\$481,673.00	\$0	\$0.00
51	19-10-05-49	University of Delaware	Multimodal Intelligent Sensing and Affective Computing for Therapeutic Communication	\$0.00	\$0	\$98,920.00
52	19-10-05-50	University of Delaware	Northeast Extension Risk Management Education (ARME) Center 2020 ARME Risk Management Education Partnerships	\$705,659.00	\$0	\$0.00
53	19-10-05-51	University of Delaware	Data Meets Cotton: Use Resource and Edited Business Analytics Tools in The Classroom to Analyze Sourcing Strategies for Sustainable Cotton Apparel	\$0.00	\$0	\$25,270.00
54	19-10-05-52	University of Delaware	Acquisition Of Goods And Services	\$8,182.00	\$0	\$0.00
55	19-10-05-53	University of Delaware	Manipulating Nanoparticle Architecture to Enable High Precision Therapy	\$0.00	\$0	\$75,000.00
56	19-10-05-54	University of Delaware	Math Modeling and Data Analysis to Address Stem Cell Origin of Colon Cancer	\$934,945.00	\$0	\$0.00
57	19-10-05-55	University of Delaware	Electronic and Vibrational Coherence in Heterogeneous Electron Transfer (Supplement Without Change of Scope)	\$10,000.00	\$0	\$0.00
58	19-10-05-56	University of Delaware	Deciphering The Landscape Of Cytosolic Proteolysis In Bacterial Pathogens	\$1,250,000.00	\$0	\$0.00
59	19-10-05-57	University of Delaware	Efficacy of the START-Play Program for Infants with Neuromotor Disorders	\$0.00	\$0	\$103,247.00
60	19-10-05-58	University of Delaware	The Nature Conservancy PADE 19/20 Partner Organization	\$0.00	\$0	\$14,500.00
61	19-10-05-59	University of Delaware	Boston University Service Agreement	\$0.00	\$0	\$8,052.00
62	19-10-05-60	University of Delaware	Planning and Implementing Teacher Residency Program at Providence Creek Academy	\$0.00	\$0	\$26,375.00
63	19-10-05-61	University of Delaware	Recognition & Comprehension of Code-Switched Utterances	\$0.00	\$0	\$19,187.00
64	19-10-05-62	University of Delaware	Spectral and Combinatorial Properties of Graphs And Association Schemes	\$132,807.00	\$0	\$0.00
65	19-10-05-63	University of Delaware	Umpolung Methods with Electron Rich Aromatic Systems: Aza-ortho-Xylylenes, and N,N-Dialkylaniline N-Oxides in Synthesis	\$464,270.00	\$0	\$0.00
66	19-10-05-64	University of Delaware	FAFSA's Friend Of Foe?: An Exploration Of Financial Education Mandates and Secondary Student Outcomes	\$0.00	\$0	\$27,500.00

67	19-10-05-65	University of Delaware	Design For The Developing World: 2-Day Enrichment Program	\$0.00	\$0	\$50,566.00
68	19-10-05-66	University of Delaware	FAFSA's Friend Of Foe?: An Exploration of Financial Education Mandates and Secondary Student Outcomes	\$0.00	\$0	\$25,000.00
69	19-10-05-67	University of Delaware	Mechanisms of Neural Crest Induction and Craniofacial Disorders	\$1,250,000.00	\$0	\$0.00
70	19-10-05-68	University of Delaware	Hero Help Case Manager	\$0.00	\$0	\$1,950.00
71	19-10-05-69	University of Delaware	The Role Of ECM Composition and Stiffness on Macrophage Polarization and Plasticity in IPF	\$0.00	\$0	\$40,000.00
72	19-10-05-70	University of Delaware	Planning and Implementing Teacher Residency Program at Milford Sd	\$0.00	\$0	\$38,316.00
73	19-10-05-71	University of Delaware	NCCVT SD 2019 Seminars For Delaware Teachers Institute For FY20	\$0.00	\$0	\$6,250.00
74	19-10-05-72	University of Delaware	From Yuck to Yum: Using Physiology, Behavioral Economics, and Outreach to Increase Public Acceptance of Potable Reuse	\$0.00	\$0	\$26,067.00
75	19-10-05-73	University of Delaware	Collaborative Research: Investigating the Influences of Hydrothermal and Respired Carbon in Intermediate Waters of the Equatorial Pacific Ocean During the Last Deglaciation	\$174,005.00	\$0	\$0.00
76	19-10-05-74	University of Delaware	Collaborative Research: Synthetic Methane Fixation Cascades Based on Engineered Membrane Vesicles for Biofuel Cell Applications	\$195,850.00	\$0	\$0.00
77	19-10-05-75	University of Delaware	Collaborative Research: IRES Track III: Novel Model for International Graduate Research Collaboration with Implementation in CPS Autonomous Systems	\$47,985.00	\$0	\$0.00
78	19-10-05-76	University of Delaware	Identification of Novel Phosphoinositide Binding Proteins Among Legionella Pneumophila Effector Proteins	\$0.00	\$0	\$1,000.00
79	19-10-05-77	University of Delaware	Microna Regulation of Mesodermal Cell Fate	\$0.00	\$0	\$1,000.00
80	19-10-05-78	University of Delaware	Effects of Age on Cellular Strain in Optical Accommodation	\$0.00	\$0	\$2,200.00
81	19-10-05-79	University of Delaware	RNA and Protein Therapeutic for Duchenne Muscular Dystrophy	\$0.00	\$0	\$95,000.00
82	19-10-05-80	University of Delaware	Amendment 4: Supplemental to Predictive Approaches to Biophysical Property Assessment of Protein Pharmaceuticals	\$0.00	\$0	\$10,777.00
83	19-10-05-81	University of Delaware	Mechanisms of Symbiotic Nitrogen (N)-Fixing Bacterial Interactions with Plant Growth Promoting Rhizobacteria	\$496,297.00	\$0	\$0.00
84	19-10-05-82	University of Delaware	Computation and Fabrication Tools for Large-Area Sub-Wavelength Texturing of Visible and IR Surfaces	\$0.00	\$0	\$192,972.00
85	19-10-05-83	University of Delaware	Intermittent Connectivity via Stochastic Graphs in Autonomous Mobile Sensor Networks	\$0.00	\$0	\$292,786.00

86	19-10-05-84	University of Delaware	Acquisition of Goods and Services	\$17,273.00	\$0	\$0.00
87	19-10-05-85	University of Delaware	Acquisition of Goods and Services	\$4,545.00	\$0	\$0.00
88	19-10-05-86	University of Delaware	NASA Delaware Space Grant College and Fellowship Program	\$2,268,756.00	\$0	\$0.00
89	19-10-05-87	University of Delaware	Predictive Models of Obesity	\$0.00	\$0	\$0.00
90	19-10-05-88	University of Delaware	Functions with Applications to Cryptography and Design Theory	\$175,059.00	\$0	\$0.00
91	19-10-05-89	University of Delaware	Characterizing the Role of Topoisomerase II in the Release of Sister Chromatids During Meiosis, and its Differential Role in Spermatogenesis and Oogenesis	\$0.00	\$0	\$950.00
92	19-10-05-90	University of Delaware	Identifying New Sequence Markers for Proteolysis By E. Coli Clp Proteases	\$0.00	\$0	\$1,000.00
93	19-10-05-91	University of Delaware	Renal Tissue Hypoxia as a Measure of Kidney Function Decline	\$0.00	\$0	\$1,000.00
94	19-10-05-92	University of Delaware	The Effects of Sodium and Melatonin on Mitochondrial Health of Vascular Endothelial Cells	\$0.00	\$0	\$1,000.00
95	19-10-05-93	University of Delaware	Discovery of Chemical Probes and Therapeutic Leads	\$7,500,000.00	\$0	\$0.00
96	19-10-05-94	University of Delaware	Statin for PTOA Prevention via Chondrocyte Mechanotransduction	\$1,250,002.00	\$0	\$0.00
97	19-10-05-95	University of Delaware	URAP Supplement to Mathematical Sciences: Probability and Statistics: Analysis of Stochastic Hybrid Systems with Applications to Synthetic Biology	\$4,500.00	\$0	\$0.00
98	19-10-05-96	University of Delaware	ARRAKIS: Assessing Regional Reflectors of Astrobiology in Kobuk Dunes for Interplanetary Science	\$0.00	\$0	\$311,800.00
99	19-10-05-97	University of Delaware	2020/2021 Monkfish Research Set-Aside	\$52,183.00	\$0	\$0.00
100	19-10-05-98	University of Delaware	Evaluating the Availability of Rumen-Protected Amino Acid Products	\$0.00	\$0	\$45,875.00
101	19-10-05-99	University of Delaware	Investigating Intentional Agricultural Burning and Improving Crop Residue Management Recommendations to Reduce Particulate Matter Emissions in the Arkansas Delta Region	\$0.00	\$0	\$52,586.00
102	19-10-06-01	University of Delaware	Non-Invasive Functional Assessment and Pathogenesis of Morquio A	\$0.00	\$0	\$44,555.00
103	19-10-06-02	University of Delaware	Early Academic Achievement And Intervention Response: Role Of Executive Function	\$0.00	\$0	\$1,743.00
104	19-10-06-03	University of Delaware	Renewable Energy For Delaware'S Future	\$0.00	\$0	\$19,005.00

105	19-10-06-04	University of Delaware	RI: Medium: Multi-scale, Multi-modal, Cooperative Mapping in Hazardous and Complex Environments	\$846,481.00	\$0	\$0.00
106	19-10-06-05	University of Delaware	Role of Cholesterol-25 Hydroxylase in Inflammation and Fibrosis Following Cataract Surgery	\$0.00	\$0	\$2,185.00
107	19-10-06-06	University of Delaware	Analysis of the Expression of Key Immunometabolic Proteins in Modern Broiler Birds' and Heritage Broilers' Galt in Response to an Immunostimulatory Treatment	\$0.00	\$0	\$937.00
108	19-10-06-07	University of Delaware	Improving Antarctic Weather And Climate Modeling With Synoptic Typing	\$353,873.00	\$0	\$0.00
109	19-10-06-08	University of Delaware	Collaborative Research: Synthesis Characterization and Electrochemical Studies of Framework Substituted Silicon, Germanium and Tin Clathrates	\$195,434.00	\$0	\$0.00
110	19-10-06-09	University of Delaware	Collaborative Research: CHS: Medium: High-Performance Cyber-Physical Guardian with Human-in-the-Loop Intent Prediction	\$392,624.00	\$0	\$0.00
111	19-10-06-10	University of Delaware	Positive Non-Linear Maps and Entrywise Calculus	\$100,942.00	\$0	\$0.00
112	19-10-06-11	University of Delaware	Collaborative Research: SHF: Medium: Practical and Rigorous Correctness Checking and Correctness Preservation for Irregular Parallel Programs	\$293,941.00	\$0	\$0.00
113	19-10-06-12	University of Delaware	Device for the Capture of Circulating Tumor Cells	0.00	\$0	\$95,001
114	19-10-06-13	University of Delaware	Convexity, Combinatorics, Physics, and Information	\$0.00	\$0	\$50,487
115	19-10-06-14	University of Delaware	Ronald E. McNair Post-Baccalaureate Achievement	\$239,474.00	\$0	\$0
116	19-10-06-15	University of Delaware	NNLM MAR Millard	\$1,417.00	\$0	\$0
117	19-10-06-16	University of Delaware	A Soft Smart Ankle Foot Orthosis Powered by Artificial Muscle for Children with Cerebral Palsy	\$0.00	\$0	\$50,000
118	19-10-06-17	University of Delaware	U.S. East Coast Tsunami Hazard Mitigation Program	\$0.00	\$0	\$76,275
119	19-10-06-18	University of Delaware	Smart Scheduling and Coexistence in Next Generation Heterogeneous Wireless Networks	\$0.00	\$0	\$104,000
120	19-10-06-19	University of Delaware	Collaborative Research: Paving the Way for Fractions: Exploring Foundational concepts in First Grade	\$1,392,902.00	\$0	\$0
121	19-10-06-20	University of Delaware	Visual and Depth Perception Modeling of Individuals with Visual Impairments in Immersive Environments	\$0.00	\$0	\$42,218
122	19-10-06-21	University of Delaware	Behavioral Responses to Social Rejection in Daily Life	\$0.00	\$0	\$1,000
123	19-10-06-22	University of Delaware	Occupational Physical Activity and Chronic Musculoskeletal Pain	\$2,872,036.00	\$0	\$0

124	19-10-06-23	University of Delaware	Testing A Dual Mechanism Model of Adolescent Anxiety Development & Related Sex Differences	\$2,119,219.00	\$0	\$0
125	19-10-06-24	University of Delaware	Impact of Intervention Timing on Diet Quality And Weight Status in Infants and Young Children	\$250,000.00	\$0	\$0
126	19-10-06-25	University of Delaware	Multi-Modality Machine Learning for Prediction Of Early Stage Alzheimer's Disease	\$0.00	\$0	\$400,000
127	19-10-06-26	University of Delaware	Collaborative Research: Cif: Medium: Fundamental Limits Of Nanoscale Energetics: Information Theoretic Perspectives	\$379,802.00	\$0	\$0
128	19-10-06-27	University of Delaware	A Primer On The Cost Of Marine Fuels Compliant With The Imo 2020 Rule	\$78,308.00	\$0	\$0
129	19-10-06-28	University of Delaware	Engineering Biosynthesis Of Non-Standard Amino Acids For Bio-Orthogonal Conjugation	\$0.00	\$0	\$300,000
130	19-10-06-29	University of Delaware	A Human-Machine Symbiotic System for The Extraction of High-Level Behaviors From a Macroscopic View of Swarms	\$0.00	\$0	\$336,935
131	19-10-06-30	University of Delaware	Machine Learning Models of Functional Mri Scans for Obesity Prevention	\$0.00	\$0	\$45,575
132	19-10-06-31	University of Delaware	Measuring the Impacts of Improved Purchasing Practices	\$0.00	\$0	\$79,751
133	2019-10-12-01	Delaware State University	2020 National Summer Transportation Institute	\$0.00	\$68,750	\$19,923.00
134	2019-10-12-02	Delaware State University	International Biotechnology Academy for Research Scholars (I-BARS)	\$399,943.00	\$0	\$0
135	2019-10-12-03	Delaware State University	2019 DSU EFNEP	\$103,034.00	\$0	\$0
136	2019-10-12-04	Delaware State University	Collaborative Research: Interactive Effects of Exogenous and Endogenous Spatial Heterogeneity on Plant Diversity	\$48,624	\$0	\$0
137	2019-10-12-05	Delaware State University	Metal Oxide/metal-organic Framework Composites: Solvent-free Green Synthesis and Catalysis for Enhanced Photocatalytic Hydrogen Evolution	\$312,703	\$0	\$0
138	2019-10-12-06	Delaware State University	Theoretical and Numerical Analysis of Optical Pulse Propagation and Light Interaction with Nonlinear Materials	\$998,075	\$0	\$0
139	2019-10-12-07	Delaware State University	Excellence in Research: Ensembles for Improved Sensing for Independent Living	\$495,965	\$0	\$0
140	2019-10-12-08	Delaware State University	Molecular Mechanisms of Potato Virus Y Pathosystems Under Natural and Engineered Resistance	\$1,136,298	\$0	\$0
141	2019-10-12-09	Delaware State University	Method Development and Validation for CBD and THC Extraction in Hemp in the State of DE	\$0.00	\$0	\$74,000
142	2019-10-12-10	Delaware State University	2020 Renewable Resources Extension Act (RREA) Project for DSU	\$13,500	\$0	\$0

143	2019-10-12-11	Delaware State University	Development of Airborne Wireless Platform for Ultra-Precision Laser-Based Sensing of Chemical Warfare Agents and Radioactive Isotopic Bio-signature	\$60,328	\$0	\$0
144	2019-10-12-12	Delaware State University	Optical Studies of Biological and Metallic Nanoparticles in Complex Biopolymeric Systems	\$928,273	\$0	\$0
145	2019-10-12-13	Delaware State University	Biochemical, Molecular and Ecophysiological Responses Due to Environmental Stresses in Urban Forest Tree Species	\$177,460	\$0	\$0
146	2019-10-12-14	Delaware State University	Univ. of MD/USDA Evaluation of Natural Astaxanthin Produced by Microalgae as a Potential Source for Atlantic Salmon (<i>Salmo Salar</i>) Feed	\$0	\$0	\$19,860

Revised 10/22/2019

**Delaware State Clearinghouse Committee
November Agenda**

December 9, 2019

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
New Business*									
1	4278	Department of Health and Social Services, Medicaid and Medical Assistance	Section 1003 Demonstration Project to Increase Substance Abuse Provider Capacity	\$3,579,864	\$0	\$0	0.00	0.00	0.00
2	4277	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	\$226,391	\$0	\$0	0.00	0.00	0.00
3	4303	Department of Labor, Employment and Training, Employment and Training Services	Fidelity Bonding Demonstration Grants	\$100,000	\$0	\$0	0.00	0.00	0.00
4	4111 Amendment	Delaware National Guard	Delaware Army National Guard Operations and Maintenance Agreement	\$267,049	\$0	\$0	22.50	10.50	0.00
5	4250	Department of Education	Rural and Low Income Schools	\$135,344	\$0	\$0	0.00	0.00	0.00
6	4255	Department of Education	Special Education Administrative Leadership (SEAL)	\$994,282	\$405,189	\$0	0.00	0.17	0.00
7	4276	Department of Education	First State Trauma Recovery Demonstration Grant	\$7,494,000	\$0	\$0	0.00	0.00	0.00
Continued									
1	3843	Executive, Criminal Justice, Criminal Justice Council	Childrens Justice Act Grant	\$88,957	\$0	\$0	0.00	0.00	0.00
2	4245	Executive, Criminal Justice, Criminal Justice Council	Services-Training-Officers-Prosecutors, Violence Against Women Formula Grant	\$951,079	\$180,938	\$0	0.65	0.39	0.00
3	4260	Executive, Criminal Justice, Criminal Justice Council	Title II Formula Block Grant	\$400,000	\$41,693	\$0	0.39	0.60	0.00
4	4285	Executive, Criminal Justice, Criminal Justice Council	Residential Substance Abuse Treatment	\$170,639	\$56,880	\$0	0.15	0.06	0.00
5	4287	Executive, Criminal Justice, Criminal Justice Council	National Forensic Sciences Improvement Act - Coverdell	\$272,275	\$0	\$0	0.00	0.00	0.00
6	4261	Legal, Department of Justice	Internet Crimes Against Children	\$370,866	\$0	\$0	2.00	0.00	0.00
7	4157	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Substance Abuse Prevention and Treatment Block Grant (SABG)	\$6,968,866	\$92,484	\$0	3.20	0.80	0.00
8	4164	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Community Mental Health Block Grant	\$1,598,527	\$0	\$0	0.00	1.00	0.00
9	4241	Department of Health and Social Services, Public Health, Community Health	State Systems Development Initiative-3rd Year	\$100,000	\$0	\$0	0.00	0.00	0.00
10	4253	Department of Health and Social Services, Public Health, Community Health	Integrated HIV/AIDS Prevention	\$1,039,019	\$0	\$0	3.48	0.00	0.00
11	4254	Department of Health and Social Services, Public Health, Community Health	Integrated HIV/AIDS Core Surveillance	\$314,308	\$0	\$0	3.72	0.00	0.00
12	4264	Department of Health and Social Services, State Service Centers	AmeriCorps State Administrative Grant for Delaware Commission on Community and Volunteer Service	\$265,000	\$265,000	\$0	2.75	2.28	0.00
13	4267	Department of Health and Social Services, Public Health, Community Health	Women, Infants and Children Farmers' Market Nutrition Program (Food)	\$211,294	\$0	\$0	0.00	0.00	0.00
14	4268	Department of Health and Social Services, Public Health, Community Health	Women, Infants and Children Farmers' Market Nutrition Program (Admin)	\$43,277	\$14,372	\$0	0.00	0.20	0.00

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

15	4269	Department of Health and Social Services, Public Health, Community Health	Clinical Laboratory Improvement Amendments	\$44,450	\$0	\$0	0.60	0.00	0.00
16	4275	Department of Health and Social Services, State Service Centers	Training & Technical Assistance Commission Investment	\$149,090	\$0	\$0	0.00	0.00	0.00
17	4283	Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse	Strategic Prevention Framework for Prescription Drugs	\$395,502	\$0	\$0	0.00	0.00	0.00
18	4311	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Path Grant (Projects for Assistance in Transition from Homelessness)	\$300,000	\$100,000	\$0	0.00	0.00	0.00
19	3691 Amendment	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children - Breastfeeding Peer Counseling Amendment	\$89,069	\$0	\$0	0.00	0.00	0.00
20	4057 Amendment	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Laboratory Capacity for Infectious Diseases	-\$96,181	\$96,181	\$0	7.25	1.25	0.00
21	4252	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-74-D-14 Non-tidal Boating and Fishing Access	\$843,750	\$281,250	\$0	0.72	0.44	0.00
22	4259	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	W-38-R-21 Wildlife Investigations- Wild Turkey	\$219,125	\$73,010	\$0	0.64	0.17	0.00
23	4263	Department of Natural Resources and Environmental Control, Office of Natural Resources, Division of Fish and Wildlife	W-50-D-2 Coastal Impoundment Restoration and Enhancement	\$2,124,012	\$708,004	\$0	0.12	0.70	0.00
24	4265	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	F-47-R-30 Anadromous Species Investigations	\$360,375	\$120,125	\$0	1.36	1.33	0.00
25	2511 Amendment	Department of Natural Resources and Environmental Control, Office of the Secretary, Energy and Climate	Clean Cities Coalition Programmatic Support	\$15,000	\$0	\$0	0.00	0.00	0.00
26	4257	Department of Safety and Homeland Security, State Police, Traffic	Motor Carrier Safety Assistance Program	\$1,251,259	\$243,879	\$0	6.28	0.83	0.00
27	4282	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management	Homeland Security Grant Program	\$4,077,500	\$0	\$0	2.75	0.00	0.00
28	4284	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Non-Profit Security Grant Program	\$150,000	\$0	\$0	0.00	0.00	0.00
29	4298	Department of Labor, Employment and Training, Employment and Training Services	Disabled Veterans Outreach Program	\$555,974	\$0	\$0	6.00	0.00	0.00
30	4270	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey	\$29,580	\$0	\$0	0.12	0.00	0.00
31	4272	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey-Infrastructure	\$72,069	\$0	\$0	0.83	0.00	0.00
32	4273	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest- Fire Ant Survey	\$9,400	\$0	\$0	0.05	0.00	0.00
33	4289	Fire Prevention Commission, State Fire School	Firefighters Assistance Grant	\$358,182	\$37,000	\$0	0.00	0.00	0.00
34	4266	Department of Education	Head Start Collaboration	\$125,000	\$41,360	\$0	0.75	0.00	0.00
35	3603 Amendment	Department of Education	Charter Schools Program	\$4,194,200	\$0	\$0	0.00	0.00	0.00
36	4155 Restated	Department of Natural Resources and Environmental Control, Division of Climate, Coastal, and Energy	Assessing Beneficial Use of Dredged Sediments - Restated from September DSCC Agenda	-\$75,000	\$75,000	\$75,000	0.00	0.00	0.00

Higher Education

1	2019-11-09-01	University of Delaware	Chemometrics and Scientific Discovery from Chemical Data Analyses	\$47,496	\$0	\$0			
2	2019-11-09-02	University of Delaware	Promoting Probabilistic Modeling Among Undergraduate and Graduate Students	\$238,414.00	\$0	\$0			

3	2019-11-09-03	University of Delaware	Development of Accessible Methods for the Use of Inertial Measurement Units in Real-world Gait Analysis	\$502,878.00	\$0	\$0
4	2019-11-09-04	University of Delaware	Investigating Metabolic Drivers of Prostate Cancer	\$1,726,784.00	\$0	\$0
5	2019-11-09-05	University of Delaware	Membrane-Wrapped Nanoparticles for Targeted SIRNA Delivery to Treat Triple-negative Breast Cancer	\$0	\$0	\$150,000.00
6	2019-11-09-06	University of Delaware	High Speed Communication System with Advanced Transistors for 5G and Beyond	\$0	\$0	\$150,000.00
7	2019-11-09-07	University of Delaware	USDA MCINTIRE STENNIS 20	\$133,095.00	\$0	\$0
8	2019-11-09-08	University of Delaware	Integrated Weed Management in Cover Crop-based Field Crop Production	\$210,000.00	\$0	\$0
9	2019-11-09-09	University of Delaware	Center for Pediatric Research	\$0	\$0	\$29,602.00
10	2019-11-09-10	University of Delaware	Provision of Coaching and Curriculum Review in Literacy.	\$0	\$0	\$2,375.00
11	2019-11-09-11	University of Delaware	Novel Membrane Electrolyte for High Energy Fluoride-Ion Battery	\$0	\$0	\$31,298.00
12	2019-11-09-12	University of Delaware	Lithospher-Scale Anisotropic Imaging Across the Eastern North American Margin's Ocean-Continent Transition	\$77,610.00	\$0	\$0
13	2019-11-09-13	University of Delaware	Advanced Leadership Training for Professionals	\$0	\$0	\$58,636.00
14	2019-11-09-14	University of Delaware	Regulation of Postnatal Joint Growth by Muscle Loading	\$1,249,999.00	\$0	\$0
15	2019-11-09-15	University of Delaware	DuPont Environmental Education Center PADE 19/20 Partner Organization	\$0	\$0	\$12,500.00
16	2019-11-09-16	University of Delaware	Load Rating of Bridges with Missing As-Built Plans	\$0	\$0	\$28,197.00
17	2019-11-09-17	University of Delaware	Bookworms Implementation Support Customized for Special Education Teachers, EL Teachers and Reading Specialists.	\$0	\$0	\$3,088.00
18	2019-11-09-18	University of Delaware	Sussex County Appropriation Sussex Fiscal Years 2018-2021	\$0	\$0	\$109,049.00
19	2019-11-09-19	University of Delaware	Incorporating Inter Generational Programming Towards a Culture of Health in at Risk Communities	\$0	\$0	\$311,656.00
20	2019-11-09-20	University of Delaware	RAPID: Performance of Reinforced Concrete Structures with Externally Bonded Fiber Reinforced Polymer Composite Retrofits in Anchorage, AK Earthquake	\$5,096.00	\$0	\$0
21	2019-11-09-21	University of Delaware	Internal vs External Cues: Mechanisms to Promote Healthy Weight Across the Lifespan	\$275,000.00	\$0	\$0

22	2019-11-09-22	University of Delaware	Collagen-Mediated Approaches for Increasing Efficacy and Enabling Hypothermic Therapies in Osteoarthritis Treatment	\$1,250,000.00	\$0	\$0
23	2019-11-09-23	University of Delaware	Peptidoglycan Fragment Library to Investigate Innate Immune Responses	\$2,714,027.00	\$0	\$0
24	2019-11-09-24	University of Delaware	A Novel Parallel Programming Approach and Compiler Technology - Explore Dataflow Software Pipelining for PAPP	\$709,876.00	\$0	\$0
25	2019-11-09-25	University of Delaware	Investigating Virtual Learning Environments	\$0.00	\$0	\$32,487.00
26	2019-11-09-26	University of Delaware	Understanding Transcriptional Control by EWSFL1 in Ewing's Sarcoma	\$0	\$0	\$660,000.00
27	2019-11-09-27	University of Delaware	CollabVal: A Multimodal Framework for Evaluating Team's Collaboration in Real-Time	\$0	\$0	\$80,000.00
28	2019-11-09-28	University of Delaware	The Impact of Sugar-Sweetened Beverage Warning Labels on Consumer Beliefs and Behaviors	\$0	\$0	\$19,983.00
29	2019-11-09-29	University of Delaware	A Large-Scale, Long-Term, Randomized Trial of Nutrition Labeling Interventions in Vending Machines	\$0	\$0	\$11,332.00
30	2019-11-09-30	University of Delaware	Increasing Equity by Addressing Exclusion: National and Local Policy Analysis	\$0	\$0	\$227,004.00
31	2019-11-09-31	University of Delaware	Wave 2 University of Delaware Well-Connected Communities	\$0	\$0	\$56,293.00
32	2019-11-09-32	University of Delaware	Supplement to CDS/ARMY Executive Office for Simulation, Training and Implementation HDILED SERVICE Kiamilev	\$0	\$0	\$329,650.00
33	2019-11-09-33	University of Delaware	Identifying Predictive Neural Signatures Associated with Different Motivations for Substance Use	\$1,545,677.00	\$0	\$0
34	2019-11-09-34	University of Delaware	Nuvve Research Year 4 Funding	\$0	\$0	\$350,499.00
35	2019-11-09-35	University of Delaware	Extending the Service Life of Rigid Pavement Joints with Self-Healing Sealants	\$0	\$0	\$91,965.00
36	2019-11-09-36	University of Delaware	Using Artificial Intelligence as a Predictor for Landslides along Linear Infrastructure Systems	\$0	\$0	\$60,457.00
37	2019-11-09-37	University of Delaware	Structure Behind Chaos: Properties of Fluctuations in Small Systems	\$205,884.00	\$0	\$0
38	2019-11-09-38	University of Delaware	The Shanghai Jewish Refugee During the Holocaust - An Educational Outreach Project - Master Players Concert Series	\$0	\$0	\$2,550.00
39	2019-11-09-39	University of Delaware	Development of Stable Fluorinated Anion Exchange Membrane	\$0	\$0	\$101,228.00
40	2019-11-09-40	University of Delaware	Passive Strain Sensing Based on Changes in Retroreflectivity	\$0	\$0	\$112,327.00

41	2019-11-09-41	University of Delaware	Managing Agricultural Drainage Ditches for Conservation Biological Control on the Delmarva Peninsula	\$0	\$0	\$40,448.00
42	2019-11-09-42	University of Delaware	Collaborative Research: Leveraging Massive Smartphone Location Data to Improve Understanding and Prediction of Behavior in Hurricanes	\$224,212.00	\$0	\$0
43	2019-11-09-43	University of Delaware	CY2019 ONR Ship Support Supplemental	\$14,435.00	\$0	\$0
44	2019-11-09-44	University of Delaware	Temperature Profile Refinement and Centrifugal Spit Separation for Commercial-scale Evaporation Sources	\$0	\$0	\$6,896.00
45	2019-11-09-45	University of Delaware	Irex Mandela Washington Fellowship for Young African Leaders	\$0	\$0	\$176,033.00
46	2019-11-09-46	University of Delaware	Planning a Clinical Trial of Tai Chi for Knee-Related Quality of Life Endpoints After an ACL Reconstruction (TaCKLE ACL)	\$0	\$0	\$41,682.00
47	2019-11-09-47	University of Delaware	Investigating Teacher-Child Interactions and Reading Growth for Young English Learners	\$0	\$0	\$11,209.00
48	2019-11-09-48	University of Delaware	Using Eye-Tracking, Smart Wearables, and Real-Time Audio Classification Technology to Examine the Role of Environmental Noise on Language Development	\$0	\$0	\$366,919.00
49	2019-11-09-49	University of Delaware	Electrosynthesis of Non-Traditional Metal-Organic Frameworks	\$413,299.00	\$0	\$0.00
50	2019-11-09-50	University of Delaware	EAGER: In-Plane Bending Meta-Unit for Phase-Only Spatial Light Modulators at Infrared and Terahertz Frequencies	\$121,938.00	\$0	\$0
51	2019-11-09-51	University of Delaware	Stakeholder - Informed Measurement of Offshore Wind and Commercial Fishing Compatibility	\$0	\$0	\$27,903.00
52	2019-11-09-52	University of Delaware	Mechanical Regulation of Skeletal Integrity in Breast Cancer	\$285,400.00	\$0	\$0
53	2019-11-09-53	University of Delaware	Automated Deep Reconnaissance of Malware	\$0	\$0	\$6,510.00
54	2019-11-09-54	University of Delaware	Beneficiation of Reclaimed Asphalt Pavement for Effective Utilization in Concrete	\$0	\$0	\$60,225.00
55	2019-11-09-55	University of Delaware	Mapping Pavement Delamination Using Aerial Infrared Imaging	\$0	\$0	\$72,857.00
56	2019-11-09-56	University of Delaware	Enhancement of the OncoMX Knowledgebase to Develop a Comprehensive Cancer Biomarker-centric Resource	\$0	\$0	\$413,872.00
57	2019-11-09-57	University of Delaware	Stratified and Mechanically-Tough Biomaterial Implant to Improve Tendon-to-Bone Enthesis Regeneration	\$0	\$0	\$238,725.00
58	2019-11-09-58	University of Delaware	Cargo Sorting into Distinct Subsets of Extracellular Vesicles	\$0	\$0	\$279,804.00
59	2019-11-09-59	University of Delaware	Hydrogel-based Antifibrotic Therapy for Vocal Fold Scarring	\$274,998.00	\$0	\$0

60	2019-11-09-60	University of Delaware	Assessing the Comparative and Longitudinal Benefits of Vascularized Composite Allotransplantation of the Hand	\$625,097.00	\$0	\$0.00
61	2019-11-09-61	University of Delaware	RheoSurfR Neutron Reflectivity-Rheology Sample Environment for Studying Soft Matter, Biology, and Materials Processing at Air-Liquid and Liquid-Liquid Interfaces (STTR).	\$0	\$0	\$80,678.00
62	2019-11-09-62	University of Delaware	How Can we Incentivize the Elderly to use SNAP?	\$0	\$0	\$11,190.00
63	2019-11-09-63	University of Delaware	Establishing the Science behind Alzheimer's Recruitment Registries: Opportunities for Increasing Diversity and Accelerating Enrollment into Trials	\$0	\$0	\$1,552,743.00
64	2019-11-09-64	University of Delaware	Anion Exchange Membrane for High Efficiency Solar-to-Hydrogen Generation	\$0	\$0	\$37,588.00
65	2019-11-09-65	University of Delaware	Price Discovery for Strategic Compensation of P3 Variable Toll Concessions to Relieve State Maintenance Impacts	\$0	\$0	\$44,254.00
66	2019-11-09-66	University of Delaware	Durability Assessment of Externally Bonded Fiber-Reinforced Polymer (FRP) Composite Repairs in Bridges	\$0	\$0	\$53,013.00
67	2019-11-09-67	University of Delaware	Decision Support Tools for Multi-objective, Multi-asset, Multi-modal Joint Maintenance Programming	\$0	\$0	\$44,253.00
68	2019-11-09-68	University of Delaware	University of Delaware NMP10	\$0	\$0	\$138,000.00
69	2019-11-09-69	University of Delaware	Determine the Effect of Exogenous Enzyme on Milk Production in Lactating Cows	\$0	\$0	\$47,110.00
70	2019-11-09-70	University of Delaware	Using MRI Technology to Examine Neurobiological Mechanisms via Which Traumatic Stress Leads to Opioid Abuse	\$156,934.00	\$0	\$0
71	2019-11-09-71	University of Delaware	Allo Alphabet: Côte d'Ivoire Phone-Based Literacy Intervention	\$0	\$0	\$174,999.00
72	2019-11-09-72	University of Delaware	Hospital Acquired Infections Training with Wearable Technology in the Air Force	\$0	\$0	\$6,510.00
73	2019-11-09-73	University of Delaware	Green Roofs for a Sustainable Air Force	\$0	\$0	\$6,510.00
74	2019-11-09-74	University of Delaware	CES-RWJF Culture of Health	\$0	\$0	\$25,502.00
75	2019-11-09-75	University of Delaware	Improving Education in Rural Cote d'Ivoire using Adaptive Technology to Support Teacher Professional Development	\$0	\$0	\$45,179.00
76	2019-11-09-76	University of Delaware	Supplement to Toolkit for Fast, Multipurpose and Inducible Biorthogonal Chemistry	\$76,015.00	\$0	\$0
77	2019-11-09-77	University of Delaware	CIFAR Co-Director Humans & the Microbiome Program	\$0	\$0	\$53,000.00
78	2019-11-09-78	University of Delaware	Coaching and PD to Support Implementation of Bookworms Curriculum in K-5th Grade Classrooms	\$0	\$0	\$5,701.00

79	2019-11-09-79	University of Delaware	The Composition of Organic Sulfur in Accumulating Soils of a Temperate Salt Marsh: Implications for Sulfurization in Salt Marshes	\$0	\$0	\$110,000.00
80	2019-11-09-80	University of Delaware	Grand Challenge FAIR DEAL LDRD Project	\$0	\$0	\$33,842.00
81	2019-11-09-81	University of Delaware	The Adolescent SLuMBER Study: Sleep Lifestyles and Media Behavior Environment Research	\$0	\$0	\$44,000.00
82	2019-11-09-82	University of Delaware	To Evaluate the Effect of Different DFM Consortia in Chickens Challenged with Clostridium perfringens	\$0	\$0	\$15,199.00
83	2019-11-09-83	University of Delaware	UNIPROT: A Centralized Protein Sequence and Function Resources	\$0	\$0	\$191,105.00
84	2019-11-09-84	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	\$309,216.00	\$0	\$0.00
85	2019-11-09-85	University of Delaware	Adaptation of a Resilience-Based Intervention to Improve Psychological Functioning in People with Aphasia	\$300,000.00	\$0	\$0.00
86	2019-11-09-86	University of Delaware	Development of a Screening Resource for Pediatric Mild Traumatic Brain Injury Patients	\$0	\$0	\$271,594.00
87	2019-11-09-87	University of Delaware	Exploring a Performance Portable Software Stack for PIconGPU to Target a Next-Generation Computing System, the FRONTIER Exascale System at ORNL	\$0	\$0	\$154,336.00
88	2019-11-09-88	University of Delaware	Exploring Microbial Responses to Phosphorus Availability in Marine Sediments	\$0	\$0	\$110,000.00
89	2019-11-09-89	University of Delaware	Development of a Next Generation Grade Crossing Safety Model	\$478,245.00	\$0	\$0
90	2019-11-09-90	University of Delaware	Scale Up Studies of Renewable Chemicals	\$0	\$0	\$141,905.00
91	2019-11-09-91	University of Delaware	Expanding Access to High Quality ECE for Low-Income Families Through Cross-Sector Collaboration: An Exploratory Examination of PreK and Family Child Care Partnerships in Philadelphia	\$0	\$0	\$70,335.00
92	2019-11-09-92	University of Delaware	Pre-Incident Planning & Communication Software for Emergency Response	\$0	\$0	\$6,510.00
93	2019-11-09-93	University of Delaware	Optimized Battery-Supercapacitor Energy Storage System	\$0	\$0	\$6,510.00
94	2019-11-09-94	University of Delaware	Post-Polymerization Synthesis of Conjugated Polymers from Poly(Phenylene Sulfides) Using Dual CH Activation	\$0	\$0	\$110,000.00
95	2019-11-09-95	University of Delaware	Particle Aggregation and Clogging in Shear Flow Around Asymmetric Fluid Functions	\$0	\$0	\$110,000.00
96	2019-11-09-96	University of Delaware	Understanding Spontaneous Emission Rates in Quantum Emitters Coupled to Hyperbolic Metamaterials	\$303,716.00	\$0	\$0
97	2019-11-09-97	University of Delaware	CY2019 ONR Ship Support Supplemental2	\$69,186.00	\$0	\$0

98	2019-11-09-98	University of Delaware	Vision Aided Navigation	\$0	\$0	\$0
99	2019-11-09-99	University of Delaware	ABC Training Contract DOZIER/ROBEN	\$0	\$0	\$6,480.00
100	2019-11-10-01	University of Delaware	Securing Conversations from Vulnerable "Always Listening" Smart Technology and IoT Devices	\$0	\$0	\$6,510.00
101	2019-11-10-02	University of Delaware	Developing a Novel Method to Sanitize Fresh Produce and Disinfect Wash Water Using Micronanobubbles	\$0	\$0	\$20,560.00
102	2019-11-10-03	University of Delaware	Enhancement of Laboratory Emergency Preparedness: Increasing the Testing Capacity of the NAHLN and the NAHLN Laboratories in State of Delaware	\$134,312.00	\$0	\$0
103	2019-11-10-04	University of Delaware	ABC Training Contract DOZIER/ROBEN 20	\$0	\$0	\$4,630.00
104	2019-11-10-05	University of Delaware	Evaluation of the Delaware Plan to Reduce Unintended Pregnancy	\$0	\$0	\$334,547.00
105	2019-11-10-06	University of Delaware	SusChem Collaborative Research: Process Optimization of Novel Routes for the Production of bio-based Para Xylene	\$129,462.00	\$0	\$0
106	2019-11-10-07	University of Delaware	Groundwater Flooding of Urban Areas	\$0	\$0	\$23,623.00
107	2019-11-10-08	University of Delaware	High Performance GaN High Electron Mobility Transistors for 5G Beyond Wireless Communications	\$0	\$0	\$6,510.00
108	2019-11-10-09	University of Delaware	Strengthening Local, Regional, and National Emergency Poultry Disease Response	\$238,166.00	\$0	\$0
109	2019-11-10-10	University of Delaware	TCRP Synthesis SE-07; Maintenance Planning For Rail Asset Management - Current Practices	\$0	\$0	\$45,000.00
110	2019-11-10-11	University of Delaware	ABC Training Contract DOZIER/ROBEN 20	\$0	\$0	\$4,630.00
111	2019-11-10-12	University of Delaware	The Impact of Cultural Practices, Media Exposure, and Family Communication about Meat Consumption Behavior in Cancer-Related Disparities	\$0	\$0	\$138,158.00
112	2019-11-10-13	University of Delaware	3D Printed Hierarchical Electrodes for High-Performance Lithium Ion Batteries	\$0	\$0	\$28,858
113	2019-11-10-14	University of Delaware	Targeting DNA Repair to Increase Genomic Stability in Chinese Hamster Ovary (CHO) Cell Lines	\$0	\$0	\$146,462
114	2019-11-10-15	University of Delaware	Foxe3 and Gene Regulatory Networks in Lens and Eye Development	\$0	\$0	\$80,450
115	2019-11-10-16	University of Delaware	Cryospheric and Atmospheric Forcing Mechanisms of U.S. Drought: Spatiotemporal Variability	\$109,947.00	\$0	\$0
116	2019-11-10-17	University of Delaware	Combating Opioid Overdose Through Community-Level Intervention	\$0	\$0	\$221,126

117	2019-11-10-18	University of Delaware	4H Positive Youth Development Program	\$0	\$0	\$10,000
118	2019-11-10-19	University of Delaware	CK2.1, A Novel Peptide for Cartilage Repair	\$275,000.00	\$0	\$0
119	2019-11-10-20	University of Delaware	Physical Activity Through Walking After Knee Replacement from Physical Therapy	\$300,000.00	\$0	\$0
120	2019-11-10-21	University of Delaware	Light-Weight and Conformable Solar Modules	\$0	\$0	\$7,837
121	2019-11-10-22	University of Delaware	Advanced Roll-to-Roll (R2R) Processing for Chalcopyrite-Based Solar Cells: Design and Demonstration of Linear Source	\$0	\$0	\$67,999
122	2019-11-10-23	University of Delaware	Describing Components of Critical Service Learning in Urban Classrooms.	\$0	\$0	\$24,730
123	2019-11-10-24	University of Delaware	Mental Health Association PADE 19/20 Partner Organization	\$0	\$0	\$16,500
124	2019-11-10-25	University of Delaware	Mode of Action and Target Site Toxicity Model Evaluation for PFAS and Hydraulic Fracking Compounds	\$0	\$0	\$39,323
125	2019-11-10-26	University of Delaware	Wilmington Alliance PADE 19/20 Partner Organization	\$0	\$0	\$16,500
126	2019-11-10-27	University of Delaware	Habitat for Humanity PADE 19/20 Partner Organization	\$0	\$0	\$16,500
127	2019-11-10-28	University of Delaware	Can an Educational Game about Art Museums Impact STEM Identity in Girls?	\$0	\$0	\$119,869
128	2019-11-10-29	University of Delaware	Systematic Study of Plasmon-Induced Charge and Energy Transfer in Core-Shell Nanomaterials	\$335,566.00	\$0	\$0
129	2019-11-10-30	University of Delaware	Collaborative Proposal: Controlled Preparation of Supramolecular Layers on Oxide Semiconductors	\$347,306.00	\$0	\$0
130	2019-11-10-31	University of Delaware	Frameworks: Collaborative Research: InFER: An Integrated Framework for Exploratory and Reproducible Inference from Large-Scale Image Data	\$268,032.00	\$0	\$0
131	2019-11-10-32	University of Delaware	Synthesis of Coordination Cage-Based Porous Liquids	\$345,001.00	\$0	\$0
132	2019-11-10-33	University of Delaware	Controlling Charge Between the Sheets: Reimagining Semiconductor Design and Synthesis	\$0	\$0	\$1,000,000.00
133	2019-11-10-34	University of Delaware	HHS DATI FY2020 Delaware Assistive Technology Initiative	\$55,669.00	\$0	\$0
134	2019-11-10-35	University of Delaware	CAS: Rational Design and Controlled Synthesis of Sustainable Macromolecules from Lignocellulosic Biomass	\$236,135.00	\$0	\$0
135	2019-11-10-36	University of Delaware	Nontraditional Noncovalent Interactions in Protein Structure, Function, and Design	\$455,501	\$0	\$0

136	2019-11-10-37	University of Delaware	Provide Professional Learning and Coaching Support of Twelve Extra Days in Bookworms K-5 Reading and Writing.	\$0	\$0	\$11,401
137	2019-11-10-38	University of Delaware	LSAMP BD: University of Delaware / Greater Philadelphia Region Louis Stokes Alliance for Minority Participation (Philadelphia AMP)	\$1,068,786	\$0	\$0
138	2019-11-10-39	University of Delaware	Collaborative Research: Designer Materials Built with Linear Assemblies of Computationally Designed Peptide Building Blocks	\$461,557	\$0	\$0
139	2019-11-10-40	University of Delaware	Molecular Design, Synthesis, and Characterization of Phenolamine-Functionalized Polythiophenes	\$418,440	\$0	\$0
140	2019-11-10-41	University of Delaware	Collaborative Research:SHF:SMALL: Improving the quality of Class-Level Documentation	\$164,494.00	\$0	\$0
141	2019-11-10-42	University of Delaware	Collaborative Research: Overcoming Challenges in Classification Near the Limit of Determination	\$511,971	\$0	\$0
142	2019-11-10-43	University of Delaware	Recasting and Book Reading under Ideal (Dose-Controlled) and Typical (Dose-Variable) Conditions: The Role of Fidelity and Adherence in Production and Comprehension Outcomes for Children with DLD	\$2,955,861	\$0	\$0
143	2019-11-10-44	University of Delaware	Sex Differences in Subclinical CVD, Brain, and Cognition Associations	\$2,133,312	\$0	\$0
144	2019-11-10-45	University of Delaware	Elucidating Biogenesis and Cargo Sorting Mechanisms for Discrete Extracellular Vesicle Subpopulations in C. Elegans	\$1,250,000	\$0	\$0
145	2019-11-10-46	University of Delaware	BELLEVEUE/SAMSHA Planet Youth Coalition SPF-PFS Evaluation Team	\$0	\$0	\$25,909
146	2019-11-10-47	University of Delaware	Using Smart Manufacturing to Enable Energy-efficient Manufacturing of Pharmaceutical Products	\$0	\$0	\$92,073
147	2019-11-10-48	University of Delaware	Collaborative Research: Designing Biomaterials Through Computational Simulation and Manipulation of Phase Behavior in a Class of Intrinsically Disordered Proteins	\$179,823	\$0	\$0
148	2019-11-10-49	University of Delaware	Chemical Functionalization and Polymerization of Peptide Particle Assemblies	\$296,079	\$0	\$0
149	2019-11-10-50	University of Delaware	Collaborative Research: OP: Exploring Spin Textures in Quantum Dots	\$379,591	\$0	\$0
150	2019-11-10-51	University of Delaware	Collaborative Research: MLWiNS: Adapting Network Configuration Model from Simulation to Real Deployment through Meta-Learned Domain Generalization	\$164,650	\$0	\$0
151	2019-11-10-52	University of Delaware	SMILES: Secondary Mathematics, In-the-moment, Longitudinal Engagement Study	\$0	\$0	\$19,166
152	2019-11-10-53	University of Delaware	Mapping Molecules from the Microbiome into the Brain	\$0	\$0	\$1,000,000
153	2019-11-10-54	University of Delaware	Strength Improvement of Materials used in and Scale-up of Fused Filament Fabrication 3D Printing	\$595,231	\$0	\$0
154	2019-11-10-55	University of Delaware	Provision of Structured Principal Effectiveness Training for 25 Participants in the TN Department of Education's Principal Supervisor Network.	\$0	\$0	\$197,935

155	2019-11-10-56	University of Delaware	Creation of Exotic Quantum Matter that Cannot Exist on Earth: Superconductivity-like Pairing State of Bose Condensates in Cold Atom Mixtures in Space	\$62,517	\$0	\$0
156	2019-11-10-57	University of Delaware	Electrochemical Separation of Carbon Dioxide from Air in Life Support Systems	\$240,000	\$0	\$0
157	2019-11-10-58	University of Delaware	Biopesticide Research Under Protocol B00102-19-DE01	\$0	\$0	\$12,000
158	2019-11-10-59	University of Delaware	CAS: Lignocellulosic Building Blocks Towards High-performance and Sustainable Polysulfones and Polyurethanes	\$337,358	\$0	\$0
159	2019-11-10-60	University of Delaware	An Inexpensive Solution Chemistry Route to New High Performance	\$494,516	\$0	\$0
160	2019-11-10-61	University of Delaware	AFOSR A HIGHLY EFFICIENT MULTI-DIMENSIONAL SEMI-LAGRANGIAN DISCONTINUOUS GALERKIN METHOD FOR VLASOV SIMULATIONS	\$47,121	\$0	\$0
161	2019-11-10-62	University of Delaware	Brave Community Praxis	\$0	\$0	\$37,029
162	2019-11-10-63	University of Delaware	Large Scale Electrochemical Oxygen Recovery System from Carbon Dioxide	\$240,000	\$0	\$0
163	2019-11-10-64	University of Delaware	Elements: DISCAT 2.0: An Enhanced Information Infrastructure for Collaborative Disaster Research	\$403,158	\$0	\$0
164	2019-11-10-65	University of Delaware	Chemotherapeutic Potential of Metformin and Statins to Prevent Progression to Lethal Prostate Cancer	\$102,052	\$0	\$0
165	2019-11-10-66	University of Delaware	Growth or Compliance: Principals' Perceptions of a PSEL-based Evaluation System	\$0	\$0	\$49,908
166	2019-10-12-14	Delaware State University	Evaluation of Natural Astaxanthin Produced by Microalgae as a Potential Source for Atlantic Salmon (<i>Salmo Salar</i>) Feed	\$0	\$0	\$19,860
167	2019-11-16-01	Delaware State University	Louis Stokes STEM Pathways and Research Alliance: Greater PA Region LSAMP (Philadelphia AMP)	\$0	\$0	\$141,220
168	2019-11-16-02	Delaware State University	Investigating Family Support Interventions for Freshmen (IFSIF)	\$1,107,143	\$0	\$0
169	2019-11-16-03	Delaware State University	Investigating Family Support Interventions for Freshmen (IFSIF)	\$1,460,000	\$0	\$0
170	2019-11-16-04	Delaware State University	Wall Street 101	\$0	\$30,000	\$0
171	2019-11-16-05	Delaware State University	A Novel"Memory Systems" Approach to Opioid Use Disorder	\$0	\$0	\$24,820
172	2019-11-16-06	Delaware State University	Collaborative Proposal: Phenotypic Modelling of Gut, Brain and Microbiome Interactive Effects on Behavior in Gallus Gallus	\$253,795	\$0	\$0
173	2019-11-16-07	Delaware State University	High Performance Nano-Initiative Polymer-Carbon Energy Storage Devices	\$300,000	\$0	\$0

174	2019-11-16-08	Delaware State University	Ultra-high Precision Sensing and Simultaneous Measurements of Carbon, Nitrogen and Sulfur Isotopes to Constrain Tropospheric Methane and Nitrous Oxide	\$499,962	\$0	\$0
175	2019-11-16-09	Delaware State University	Single-Step Preparation of Polymer/Metal-Organic framework Membranes: Electrospinning Fabrication and Application for Hazzard Gas Capture	\$371,244	\$0	\$0
176	2019-11-16-10	Delaware State University	SUMOylation of Alpha-Synuclein as a Regulatory Target in Parkinson's Disease	\$438,000	\$0	\$0
177	2019-11-16-11	Delaware State University	Building Capacity for Training and Diversifying the Workforce in Data Science at DSU	\$1,012,217	\$0	\$0
178	2019-11-16-12	Delaware State University	Think Before Doing	\$0	\$12,000	\$0

Revised 12/6/2019