

**Delaware State Clearinghouse Committee
Amended Agenda**

January 31, 2017

Item	SAI#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
New Business									
1	2016-12-08-01	Department of Health and Social Services, Public Health, Community Health	Hepatitis C Virus Epidemiologic Profile	\$40,000	\$0	\$0	0.00	0.00	0.00
2	3011	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Laboratory Capacity - Zika Supplement	\$936,934	\$0	\$0	0.00	0.00	0.00
3	2986	Department of Natural Resources and Environmental Control, Office of the Secretary, Coastal Programs	Hurricane Sandy Disaster Relief - Coastal Resiliency	\$608,359	\$0	\$304,177	0.10	0.00	0.00
4	3007	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Migratory Shorebird Beach Restoration	\$1,200,000	\$400,000	\$0	0.00	0.00	0.00
5	2997	Department of Safety and Homeland Security, State Police, Traffic	Fatality Analysis Reporting System	\$218,461	\$0	\$0	0.60	1.40	0.00
Deferred to future Clearinghouse meeting.									
6	2996	Department of Education	Migrant Student Exchange Data Quality	\$57,786	\$0	\$0	0.00	0.00	0.00
Continued									
7	2992	Executive, Criminal Justice, Criminal Justice Council	Title II - Formula Block Grant	\$393,873	\$39,387	\$0	0.54	0.49	0.00
8	2975	Executive, Criminal Justice, Criminal Justice Council	Children's Justice Act	\$88,978	\$0	\$0	0.00	0.00	0.00
9	2072 Amendment 2	Executive, Criminal Justice, Criminal Justice Council	Prison Rape Elimination Act Reallocation Funds	\$6,449	\$0	\$0	0.00	0.00	0.00
10	1992 Amendment 3	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients and Providers Act	\$78,665	\$0	\$0	0.00	0.00	0.00
11	2591 Amendment 2	Legal, Office of Attorney General	High Intensity Drug Trafficking Areas Program	\$140,000	\$0	\$0	0.00	0.00	0.00
12	2984	Department of State, Regulation and Licensing, Public Service Commission	Pipeline Safety One Call Grant	\$9,996	\$0	\$0	0.00	0.00	0.00
13	2969	Department of Health and Social Services, State Service Centers	AmeriCorps State Administrative Grant for Delaware Commission on Community and Volunteer Service	\$250,000	\$250,000	\$0	2.75	1.25	0.00
14	2982	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Permanent Housing for Adults with Psychiatric Disabilities	\$182,446	\$8,720	\$0	0.00	0.00	0.00
15	3004	Department of Health and Social Services, Administration, Office of the Secretary	State Innovation Model Testing	\$5,604,505	\$0	\$0	0.00	0.00	0.00
16	3005	Department of Health and Social Services, Public Health, Community Health	Universal Newborn Hearing Screening	\$750,000	\$0	\$0	1.00	0.00	0.00
17	3006	Department of Health and Social Services, Public Health, Community Health	Sexual Violence Prevention and Education	\$219,367	\$0	\$0	0.00	0.00	0.00

New Business requires the attendance of the Contact Person.

Available to the internet at: <http://budget.delaware.gov/clearinghouse/abm.shtml>

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18	3008	Department of Health and Social Services, Public Health, Emergency Medical Services	Emergency Medical Services for Children Partnership	\$130,000	\$11,942	\$0	0.00	0.10	0.00
19	3010	Department of Health and Social Services, Public Health, Community Health	Water System Supervision	\$549,000	\$417,115	\$0	7.40	7.35	0.00
20	2977	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Adoption Incentive Payments Program	\$15,000	\$0	\$0	0.00	0.00	0.00
21	2915	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Amphibian and Reptile Monitoring and Conservation	\$33,682	\$18,136	\$0	0.23	0.07	0.00
22	2987	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Finfish Assessment Survey	\$145,557	\$48,519	\$0	1.56	0.70	0.00
23	2988	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Survey of Sport Fish of Delaware Bay	\$104,655	\$34,885	\$0	0.00	0.20	0.00
24	3001	Department of Natural Resources and Environmental Control, Office of the Secretary, Information Technology	Environmental Information Exchange Network	\$299,438	\$252,942	\$0	0.00	1.20	0.00
25	2954	Department of Safety and Homeland Security, State Police, Traffic	Motor Carrier Safety Assistance Program	\$1,177,038	\$199,312	\$0	6.46	1.14	0.00
26	2989	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Homeland Security Grant Program	\$3,734,500	\$0	\$0	3.50	0.00	0.00
27	2998	Department of Safety and Homeland Security, State Police, Criminal Investigation	Delaware Information and Analysis Center Maritime Enhancements	\$25,000	\$0	\$0	0.00	0.00	0.00
28	3000	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazardous Materials Emergency Preparedness Training and Planning	\$325,571	\$81,392	\$0	0.20	0.80	0.00
29	3003	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 154 Sanction Grant	\$1,269,830	\$0	\$0	0.00	0.00	0.00
30	2016-11-10-01	Department of Safety and Homeland Security, State Police, Aviation	Marijuana Eradication	\$12,000	\$0	\$0	0.00	0.00	0.00
31	2850 Amendment	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405 (h) - Non-Motorized Safety Grant	\$183,189	\$45,797	\$0	0.00	0.00	0.00
32	2991	Department of Transportation, Planning	Statewide Continuous Aviation System Planning	\$55,332	\$6,148	\$0	0.00	0.00	0.00
33	2995	Department of Education	School Improvement	\$1,347,476	\$0	\$0	0.00	0.00	0.00
34	2016-12-09-01	Department of Education	New Skills for Youth	\$0	\$0	\$1,950,000	0.00	0.00	0.00
Higher Education									
1	2017-01-07-01	HE/University of Delaware	Dissecting synthetic syntrophy targeting CO2 capture via acetogenic mixotrophy	\$615,984	\$0	\$0			

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2	2017-01-07-02	HE/University of Delaware	CMOS substrate defined graphene transducer	\$326,921	\$0	\$0			
3	2017-01-07-03	HE/University of Delaware	Process and Performance Modeling of UHMWPE Composites for Advanced Head Protection	\$96,154	\$0	\$0			
4	2017-01-07-04	HE/University of Delaware	The Role of Cell-Generated Forces and Force Propagation in Autocrine and Paracrine Signaling	\$1,250,000	\$0	\$0			
5	2017-01-07-05	HE/University of Delaware	NOAA NWS National Mesonet	\$0	\$0	\$12,238			
6	2017-01-07-06	HE/University of Delaware	Medulloblastoma drug discovery using high throughput screening in three-dimensional cell culture	\$0	\$0	\$524,297			
7	2017-01-07-07	HE/University of Delaware	Scope #7 Development of Chesapeake Bay Technology Assessment Protocol for Manufactured Stormwater Treatment Devices	\$0	\$0	\$40,000			
8	2017-01-07-08	HE/University of Delaware	Bridging information gaps in turbulent particle-laden flows by petascale computing on Blue Waters	\$27,600	\$0	\$0			
9	2017-01-07-09	HE/University of Delaware	Algorithms for optimization problems in nonlinear stochastic systems using moment closure schemes	\$226,027	\$0	\$0			
10	2017-01-07-10	HE/University of Delaware	UPITT/NIH/Delaware Partners in Emergency Preparedness and Response	\$0	\$0	\$11,657			
11	2017-01-07-11	HE/University of Delaware	The Center for Drug and Health Studies will conduct the 2017 Youth Risk Behavior Survey of Middle Schools in Delaware on behalf of Nemours Children's Health Systems Division of Health and Prevention Services.	\$0	\$0	\$46,296			
12	2017-01-07-12	HE/University of Delaware	Structure and Dynamics of Proteins and Protein Assemblies by Integrated NMR, Density Functional Theory, and MD Simulations	\$892,690	\$0	\$0			
13	2017-01-07-13	HE/University of Delaware	NSF GEOMETRIC ANALYSIS OF CONVEX MEASURES	\$258,155	\$0	\$0			
14	2017-01-07-14	HE/University of Delaware	Effectiveness of a Psychologically Based Physical Therapy Rehabilitation for Active Duty Service Members with Neuromusculoskeletal Injuries in US Navy Shore Based Rehabilitation Settings	\$0	\$0	\$977,136			
15	2017-01-07-15	HE/University of Delaware	Collaborative Research: Effects of cholesterol on A2AR	\$153,756	\$0	\$0			

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16	2017-01-07-16	HE/University of Delaware	The Interaction between Traumatic Brain Injury and Musculoskeletal Injury Diminishes Manpower and Resilience in US Marines	\$0	\$0	\$445,771			
17	2017-01-07-17	HE/University of Delaware	Unique optical excitations in topological insulators	\$500,089	\$0	\$0			
18	2017-01-07-18	HE/University of Delaware	Geologic Map of the Dover Quadrangle, Delaware	\$179,972	\$0	\$0			
19	2017-01-07-19	HE/University of Delaware	Dissecting syntrophic metabolism and co-evolution of synthetic microbial co-cultures	\$401,624	\$0	\$0			
20	2017-01-07-20	HE/University of Delaware	Collaborative Research: Controlling Cellular Metabolism via Toehold-Gated dCas9 Regulators	\$423,464	\$0	\$0			
21	2017-01-07-21	HE/University of Delaware	Collaborative Research: Dynamic assembly of Metabolons Using Synthetic CRISPR-Cas Endonucleases	\$398,802	\$0	\$0			
22	2017-01-07-22	HE/University of Delaware	Integration of Models and Experiments to Define the Heat Stress Response	\$442,849	\$0	\$0			
23	2017-01-07-23	HE/University of Delaware	CIF: Small: Tensor Valued Wavelets and Big Data Analysis	\$322,671	\$0	\$0			
24	2017-01-07-24	HE/University of Delaware	Analysis tools for Stochastic Hybrid Systems with Biological and Engineering Applications	\$155,244	\$0	\$0			
25	2017-01-07-25	HE/University of Delaware	Collaborative Research: Unravelling mechanisms of Fe oxidation using synthetic biology and biochemistry	\$354,414	\$0	\$0			
26	2017-01-07-26	HE/University of Delaware	CY2017 Ship Operations	\$420,998	\$0	\$0			
27	2017-01-07-27	HE/University of Delaware	EVALUATION OF CALF MUSCLE ADAPTATION IN INDIVIDUALS WITH ACHILLES TENDON INJURY	\$0	\$0	\$25,000			
28	2017-01-07-28	HE/University of Delaware	Tunable, self-assembling peptide hydrogels for selective transport and delivery	\$0	\$0	\$110,000			
29	2017-01-07-29	HE/University of Delaware	Comprehensive evidence-based program to enhance nursing workforce diversity	\$1,896,296	\$0	\$0			

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30	2017-01-07-30	HE/University of Delaware	Designing Innovative Solutions to the Grand Challenges: A Multidisciplinary Approach	\$0	\$0	\$30,000			
31	2017-01-07-31	HE/University of Delaware	Raising Awareness and Integrating IPM Solutions to Mushroom Farms and Surrounding Urban Communities	\$0	\$0	\$6,224			
32	2017-01-07-32	HE/University of Delaware	Precision Models of Concussion and Neurovascular Repair	\$0	\$0	\$1,200,000			
33	2017-01-07-33	HE/University of Delaware	Integrating Cover Crops for Weed Management in Plasticsulture Systems	\$0	\$0	\$35,372			
34	2017-01-07-34	HE/University of Delaware	PFI:BIC: Building a smart system to support healthy dietary choices in communities by leveraging Cloud, Mobile and Big Data Analytics Technologies	\$710,786	\$0	\$0			
35	2017-01-07-35	HE/University of Delaware	THE CELLULAR DYNAMICS OF SMALL RNAS AND THEIR TARGETS IN PLANTS, FROM SINGLE MOLECULE TO WHOLE ORGANISM	\$1,039,273	\$0	\$0			
36	2017-01-07-36	HE/University of Delaware	Secure Mobile Cloud Sensing	\$337,002	\$0	\$0			
37	2017-01-07-37	HE/University of Delaware	Oceanographic Technical Services	\$44,850	\$0	\$0			
38	2017-01-07-38	HE/University of Delaware	The evaluation of Stathmin 1 inhibition in preclinical models of osteosarcoma using novel RNA interference strategies.	\$0	\$0	\$163,424			
39	2017-01-07-39	HE/University of Delaware	Meniscus damage and failure: the mechanical role of fascicle structure and tears	\$275,000	\$0	\$0			
40	2017-01-07-40	HE/University of Delaware	DARPA Extremely High Dynamic-range Sensor (EHD) for ReImagie, Kiamilev	\$2,830,212	\$0	\$0			
41	2017-01-07-41	HE/University of Delaware	2016 Ford Foundation Dissertation Fellowship Application for Asia Downtin, Doctoral Candidate in Geography	\$0	\$0	\$25,000			
42	2017-01-07-42	HE/University of Delaware	New Quadrupolar NMR Techniques for Emerging NMR Technologies: Atomic-Resolution Characterization of Challenging Metal Sites in Bioinorganic and Catalyst Materials	\$0	\$0	\$86,958			
43	2017-01-07-43	HE/University of Delaware	Fibronectin and TGF-β bioavailability	\$0	\$0	\$2,500			

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44	2017-01-07-44	HE/University of Delaware	CNH-L: Glyphosate in soil and water: Coupling economics and natural science to better understand and manage human exposure and environmental contamination	\$1,048,667	\$0	\$0			
45	2017-01-07-45	HE/University of Delaware	Bacillithiol N-methylation: probing the significance of modifying a thiol metabolite found in diverse microbes	\$516,319	\$0	\$0			
46	2017-01-07-46	HE/University of Delaware	Cell envelope physiology and sulfur metabolism in Chlorobaculum tepidum	\$420,823	\$0	\$0			
47	2017-01-07-47	HE/University of Delaware	Cross regulation of signaling pathways activate Arf6 to drive cell migration	\$267,085	\$0	\$0			
48	2017-01-07-48	HE/University of Delaware	NSF COLLAB RSCH: MODELING INTIMAL FIBROSIS USING MORPHOELASTICITY: APPLICATIONS TO ATHEROSCLEROSIS	\$84,416	\$0	\$0			
49	2017-01-07-49	HE/University of Delaware	NSF STOCHASTIC FRACTIONAL POROUS MEDIUM EQUATION GOVERNED BY A GENERALIZED FRACTIONAL BROWNIAN MOTION AND RELATED PROBLEMS	\$145,059	\$0	\$0			
50	2017-01-07-50	HE/University of Delaware	NSF COLLAB RSCH: PATH INTEGRATION AND MODEL-BASED REGULARIZATION IN UNCERTAINTY QUANTIFICATION; APPLICATIONS TO SOFT MATTER	\$68,134	\$0	\$0			
51	2017-01-07-51	HE/University of Delaware	SaTC: Core: Small: Collaborative: Towards Power and Thermal Safety in Future Data Centers	\$171,304	\$0	\$0			
52	2017-01-07-52	HE/University of Delaware	CIF:Small: Collaborative Research: Analog Joint Source-Channel Coding for Point-to-Point And Multiterminal Communications	\$181,335	\$0	\$0			
53	2017-01-07-53	HE/University of Delaware	NSF INVERSE PROBLEMS FOR POROELASTIC MATERIALS WITH APPLICATION TO BONE HEALTH QUANTIFICATION	\$233,003	\$0	\$0			
54	2017-01-07-54	HE/University of Delaware	Systems Biology Models for COPD	\$0	\$0	\$75,000			
55	2017-01-07-55	HE/University of Delaware	Targeted Antibody-Based Therapy Toward Prevention of Circulating Tumor Cell Docking, Extravasation and Metastasis	\$375,000	\$0	\$0			
56	2017-01-07-56	HE/University of Delaware	Toward the molecular unpacking of the PaaC domain, a novel Plasmodesmata-association & activation Cassette	\$531,444	\$0	\$0			
57	2017-01-07-57	HE/University of Delaware	NSF CIF:Small:Coded Aperture Spectral X-Ray Tomography Arce	\$362,311	\$0	\$0			

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58	2017-01-07-58	HE/University of Delaware	Temperature Profile Refinement and Centrifugal Spit Separation for Commercial-scale Evaporation Sources	\$0	\$0	\$114,410			
59	2017-01-07-59	HE/University of Delaware	Procedural Justice and Police Legitimacy: Untangling the Effects of Situational and Organizational Factors	\$31,915	\$0	\$0			
60	2017-01-07-60	HE/University of Delaware	NSF CIF:Small:Collaborative:Blue Noise Graph Spectrum and Graph Sampling Arce	\$165,055	\$0	\$0			
61	2017-01-07-61	HE/University of Delaware	SHF:Small:Coordinating Non-volatile Memory and Solid-stage Storage for Efficient Multi-level Checkpoint and Restart	\$339,997	\$0	\$0			
62	2017-01-07-62	HE/University of Delaware	SHF:Small:Exploiting Input-Characteristics Derived Parallelism In Signal Processing	\$246,255	\$0	\$0			
63	2017-01-07-63	HE/University of Delaware	SHF:Small:Regularity-Oriented Program Optimization for Bulk Synchronous Parallel Processors	\$246,255	\$0	\$0			
64	2017-01-07-64	HE/University of Delaware	Development of Wavemakers in NHWAVE for Rogue Wave Modeling Study	\$22,435	\$0	\$0			
65	2017-01-07-65	HE/University of Delaware	Studies of the Global Radiation Environment of the Earth	\$74,371	\$0	\$0			
66	2017-01-07-66	HE/University of Delaware	Cross scale regulation of energy transport - from large scale dynamics to dissipation, a grand challenge problem in heliophysics	\$1,000,577	\$0	\$0			
67	2017-01-07-67	HE/University of Delaware	Integrated Management of Scab and Foliar Diseases of Wheat	\$0	\$0	\$1,650			
68	2017-01-07-68	HE/University of Delaware	NSF/GMU RIPS TYPE 2: QUANTIFYING DISASTER RESILIENCE OF CRITICAL INFRASTRUCTURE-BASED SOCIETAL SYSTEMS WITH EMERGENT BEHAVIOR AND DYNAMIC INTERDEPENDENCIES	\$0	\$0	\$200,016			
69	2017-01-07-69	HE/University of Delaware	Theoretical study of highly charged 3dn ions	\$19,231	\$0	\$0			
70	2017-01-07-70	HE/University of Delaware	Chemosensitiation of Inflammatory Breast Cancer and Triple Negative Breast Cancer Tumors	\$0	\$0	\$47,952			
71	2017-01-07-71	HE/University of Delaware	Solar Modulation of Cosmic Rays at Rigidity above 1 GV	\$219,478	\$0	\$0			

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72	2017-01-07-72	HE/University of Delaware	NSF FINITE ELEMENT METHOD FOR THE EINSTEIN EQUATION	\$98,943	\$0	\$0			
73	2017-01-07-73	HE/University of Delaware	NSF SIMULATION AND NUMERICAL ANALYSIS IN ELASTODYNAMICS AND WAVE-STRUCTURE INTERACTION	\$253,042	\$0	\$0			
74	2017-01-07-74	HE/University of Delaware	University of Delaware Upward Bound Program	\$287,852	\$0	\$0			
75	2017-01-07-75	HE/University of Delaware	Metabolic carbohydrate cell wall probes for bacterial structure and immune recognition studies	\$1,198,370	\$0	\$0			
76	2017-01-07-76	HE/University of Delaware	PADE Year Up 16/17 Partner Organization	\$0	\$0	\$13,800			
77	2017-01-07-77	HE/University of Delaware	In-field Detection of Plant Diseases on Fruit and Vegetable Crops Using Hand-Held Spectrometers	\$0	\$0	\$24,822			
78	2017-01-07-78	HE/University of Delaware	NSF/RAPID: HURRICANE MATTHEW AND EVACUATION DECISION-MAKING UNDER UNCERTAINTY	\$57,520	\$0	\$0			
79	2017-01-07-79	HE/University of Delaware	Collaborative Research: Using Surface Information for Quantitative Modeling of the Subsurface	\$208,990	\$0	\$0			
80	2017-01-07-80	HE/University of Delaware	Advanced Undersea Signal Processing Methods	\$3,846	\$0	\$0			
81	2017-01-07-81	HE/University of Delaware	CY2017 ONR Ship Support	\$1,309,314	\$0	\$0			
82	2017-01-07-82	HE/University of Delaware	Engaging At Risk Female High School Students in Life Planning Through a Power for Life Program	\$0	\$0	\$4,000			
83	2017-01-07-83	HE/University of Delaware	Determining the Ideal Irrigation Strategy for High Intensity Corn Production	\$0	\$0	\$22,720			
84	2017-01-07-84	HE/University of Delaware	Roles for DDX3 in cranial neural crest induction and craniofacial development	\$72,000	\$0	\$0			
85	2017-01-07-85	HE/University of Delaware	Beyond the cervical length: comprehensive assessment of short cervix and progesterone treatment effect using novel magnetic resonance imaging techniques	\$0	\$0	\$59,269			

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86	2017-01-07-86	HE/University of Delaware	Analysis of the Ribonucleases of Arabidopsis thaliana	\$463,357	\$0	\$0			
87	2017-01-07-87	HE/University of Delaware	Offshore survey of the Tasmanian Gas Pipeline	\$0	\$0	\$70,318			
88	2017-01-07-88	HE/University of Delaware	Metabolic carbohydrate cell wall probes for the characterization of microbiome-host interactions	\$0	\$0	\$349,418			
89	2017-01-07-89	HE/University of Delaware	Integrating Cover Crops to Improve Management of Herbicide Resistant Weeds in No-Till Soybean Production Systems	\$0	\$0	\$7,996			
90	2017-01-07-90	HE/University of Delaware	SCH: INT: Collaborative Research: Smart Wearable Systems to Support and Measure Movement in Children With and Without Mobility Impairments	\$448,688	\$0	\$0			
91	2017-01-07-91	HE/University of Delaware	STUDENT LEADERS PROGRAM IN THE MIDDLE EAST AND NORTH AFRICA	\$0	\$0	\$245,839			
92	2017-01-07-92	HE/University of Delaware	Evaluation of the use of poultry litter on soils with high phosphorus concentration	\$0	\$0	\$10,040			
93	2017-01-07-93	HE/University of Delaware	Trends in Soil Test Phosphorus and Sorption Capacity following Long-term Application of Poultry Litter and Commercial Fertilizers	\$0	\$0	\$5,000			
94	2017-01-07-94	HE/University of Delaware	Western States Leadership Institute on Developmental Disabilities	\$0	\$0	\$112,832			
95	2017-01-07-95	HE/University of Delaware	FY 18 Kent County Levy Court Community Service Grant Program	\$0	\$0	\$30,000			
96	2017-01-07-96	HE/University of Delaware	Microbial Community Composition and Metabolism Along a Hydrocarbon Seep Gradient	\$0	\$0	\$68,432			
97	2017-01-07-97	HE/University of Delaware	DBT-SE -A Deep Biosphere Toolkit and Spatiotemporal Environment for Research and the Advancement of Scientific and Creative Literacy	\$0	\$0	\$32,051			
98	2017-01-07-98	HE/University of Delaware	Testing of a novel nanofertilizer for efficient supply of phosphorus to corn	\$0	\$0	\$49,069			
99	2017-01-07-99	HE/University of Delaware	Pittsburgh Center for HIV Protein Interactions (PCHPI)	\$0	\$0	\$1,200,000			

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100	2017-01-08-01	HE/University of Delaware	INFORMATION RETRIEVAL IN CLOUDS	\$414,555	\$0	\$0			
101	2017-01-08-02	HE/University of Delaware	MULTICENTER CAREER DEVELOPMENT PROGRAM FOR PHYSICAL AND OCCUPATIONAL THERAPY	\$0	\$0	\$155,000			
102	2017-01-08-03	HE/University of Delaware	Computational Electromagnetomechanics: A Very Moving Problem	\$182,296	\$0	\$0			
103	2017-01-08-04	HE/University of Delaware	Maryland State Department of Education Systemic Improvement Plan State Systemic Improvement Plan (SSIP) Evaluator	\$0	\$0	\$9,484			
104	2017-01-08-05	HE/University of Delaware	Novel Stigma/Structural Interventions for Increasing HIV/STI Testing Among BMSM	\$0	\$0	\$62,210			
105	2017-01-08-06	HE/University of Delaware	Numerical Simulation of Electromagnetomechanical Systems	\$182,296	\$0	\$0			
106	2017-01-08-07	HE/University of Delaware	Biomolecular Interaction Technologies Fiscal Year 2017	\$0	\$0	\$42,501			
107	2017-01-08-08	HE/University of Delaware	Investigating the impact of wind turbines on surface fluxes using computational fluid dynamics	\$0	\$0	\$32,663			
108	2017-01-08-09	HE/University of Delaware	Metatranscriptomic insight into the physiology of the Fe-oxidizing Zetaproteobacteria in oxygen-limited and anoxic environments	\$0	\$0	\$33,000			
109	2017-01-08-18	HE/University of Delaware	COLLAB RSCH: Core Parlo-A Formative-Assessment-Based Approach to Implementing Common Core Math Standards in Urban High Schools	\$596,995	\$0	\$0			
110	2017-01-08-19	HE/University of Delaware	Organization for the Study of Sex Differences Annual Meeting	\$74,925	\$0	\$0			
111	2017-01-08-20	HE/University of Delaware	Hand Transplantation: Qualitative Approach to Enhance Patient Reported Outcome Metrics and the Candidate Screening Process	\$758,731	\$0	\$0			
112	2017-01-08-21	HE/University of Delaware	An fNIRS-Based Functional Connectivity in Cortical Networks of Infants Below 18 Months of Age	\$0	\$0	\$93,537			
113	2017-01-08-22	HE/University of Delaware	There is a Popular Notion That Social Identity Differences are Transcended by the Larger Sports Goals of Athletic Teams	\$0	\$0	\$25,000			

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114	2017-01-08-23	HE/University of Delaware	FY 2017 Study of the U.S. Institute on Women's Leadership	\$209,488	\$0	\$0			
115	2017-01-08-24	HE/University of Delaware	New TOI Material for PWG-Based High Energy Lasers	\$0	\$0	\$16,026			
116	2017-01-08-25	HE/University of Delaware	CDS&E: Development of a Novel Mesoscopic Algorithm for Rigorous Simulation of Compressible Multiphase Flows	\$199,383	\$0	\$0			
117	2017-01-08-26	HE/University of Delaware	NOAA NWS National Mesonet	\$0	\$0	\$18,357			
118	2017-01-08-27	HE/University of Delaware	Submerged Cultural Resource Survey of the Kiska Island National Historic Landmark Maritime Battlefield	\$0	\$0	\$21,884			
119	2017-01-08-28	HE/University of Delaware	COLLAB RSCH: Information-Theoretic Foundations of Data-Driven Model Reduction	\$95,822	\$0	\$0			
120	2017-01-08-29	HE/University of Delaware	Assessing Coastal Resiliency And Adaptive Management Alternatives Through A Multi-year Study of Habitat Mapping And Sediment Transport Dynamics	\$0	\$0	\$443,627			
121	2017-01-08-30	HE/University of Delaware	Innovative Approaches in Forced Air Cooling to Enhance Produce Safety and Quality	\$73,624	\$0	\$0			
122	2017-01-08-31	HE/University of Delaware	Smart Nano-Curators for Metadata Curation Throughout the Research Lifecycle	\$0	\$0	\$340,000			
123	2017-01-08-32	HE/University of Delaware	NSF Oceanographic Instrumentation CY17	\$88,500	\$0	\$0			
124	2017-01-08-33	HE/University of Delaware	Elution Strategies For Protein Ion-Exchange Chromatography Collaboration Project Proposal	\$0	\$0	\$64,103			
125	2017-01-08-34	HE/University of Delaware	Incentive-Based Intervention to Increase Breastfeeding Duration Among Low-Income Puerto Rican Mothers	\$2,432,286	\$0	\$0			
126	2017-01-08-35	HE/University of Delaware	CO2 Fuel Effort	\$0	\$0	\$136,912			
127	2017-01-08-36	HE/University of Delaware	Improving the Conservation Value of Shade Coffee for Resident Neotropical Birds	\$0	\$0	\$24,040			

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Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
128	2017-01-08-37	HE/University of Delaware	Supplement to Award #1564565 - Improved Understanding of Vertical Mixing in the Lower Atmospheric Boundary Layer in the Presence of Wind Turbines via Numerical Simulations and Measurements	\$32,663	\$0	\$0			
129	2017-01-08-38	HE/University of Delaware	Predictive Coarse-Grained Modeling of Morphologies in Polymer Nanocomposites With Specific and Directional Intermolecular Interactions	\$520,231	\$0	\$0			
130	2017-01-08-39	HE/University of Delaware	Field Robotics Opportunities for the Next Generation of Naval/Marine Corps Officers	\$310,000	\$0	\$0			
131	2017-01-08-40	HE/University of Delaware	Chichester duPont Foundation to Provide Financial Aid	\$0	\$0	\$35,000			
132	2017-01-08-41	HE/University of Delaware	Cybersecurity Education with Storytelling on Social Robots	\$122,898	\$0	\$0			
133	2017-01-08-42	HE/University of Delaware	SHINE: Space Time Structure of Turbulence in Solar Wind and Simulations: Implications for Magnetic Connectivity and Charged Particle Propagation	\$231,006	\$0	\$0			
134	2017-01-08-43	HE/University of Delaware	Nanomaterial Construction through Peptide Computational Design and Hierarchical Solution Assembly	\$513,511	\$0	\$0			
135	2017-01-08-44	HE/University of Delaware	Testing for Novel Nanofertilizer for Soybean Crop	\$0	\$0	\$45,729			
136	2017-01-08-45	HE/University of Delaware	Role of Legacy Phosphorus in Downstream Water Quality in East Creek, Crisfield, MD	\$0	\$0	\$50,069			
137	2017-01-08-46	HE/University of Delaware	Effect of Fertigation on Irrigated Full Season Soybeans	\$0	\$0	\$8,963			
138	2017-01-08-47	HE/University of Delaware	Evaluating the Response of Full Season Soybeans to Various Soil Moisture Levels.	\$0	\$0	\$9,496			
139	2017-01-08-48	HE/University of Delaware	Can Plant Population Play a Role in Reducing Lodging Losses in Soybeans from Dectes Stem Borer?	\$0	\$0	\$2,409			
140	2017-01-08-49	HE/University of Delaware	Testing of Novel Nanofertilizer for Soybean Crop	\$0	\$0	\$46,069			
141	2017-01-08-50	HE/University of Delaware	RWJF/C3 Adaptation Project: Community Culture Context in Adapting to Environmental Change	\$0	\$0	\$1,299,322			

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Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
142	2017-01-08-51	HE/University of Delaware	High Throughput Multi-attribute Analysis for Prediction of Physical Stability of Protein Formulations	\$0	\$0	\$32,293			
143	2017-01-08-52	HE/University of Delaware	Assessing the Impacts of Row Spacing and Fungicide Timing on Disease Control and Profitability in Double Crop Soybean Production Systems	\$0	\$0	\$6,007			
144	2017-01-08-53	HE/University of Delaware	Impact of Fortification Among Socioeconomically and Racially Diverse Urban Adults	\$0	\$0	\$17,852			
145	2017-01-08-54	HE/University of Delaware	Probing Novel Syntrophic Microbial Interactions	\$32,050	\$0	\$0			
146	2017-01-08-55	HE/University of Delaware	Evaluating and Measuring Educational Quality and Improvement in Dialogic Pedagogy	\$0	\$0	\$50,000			
147	2017-01-08-56	HE/University of Delaware	Assessing the Impacts of Row Spacing and Fungicide Timing on Disease Control and Profitability in Double Crop Soybean Production Systems	\$0	\$0	\$5,407			
148	2017-01-08-57	HE/University of Delaware	Increasing Yield and Profitability of Double-Crop Soybean	\$0	\$0	\$10,513			
149	2017-01-08-58	HE/University of Delaware	Interdisciplinary Engineering Career Development Center in Movement and Rehabilitation Sciences	\$0	\$0	\$56,034			
150	2017-01-08-59	HE/University of Delaware	S&AS: INT: COLLAB: Achieving Long-term Autonomy Despite Incomplete, Partial and Conflicting Information	\$577,216	\$0	\$0			
151	2017-01-08-60	HE/University of Delaware	Shipboard Scientific Support Equipment CY17	\$199,747	\$0	\$0			
152	2017-01-08-61	HE/University of Delaware	Evaluating the Availability of Rumen-Protected Amino Acid Products	\$0	\$0	\$68,625			
153	2017-01-08-62	HE/University of Delaware	Mineral-Fluid Interactions: Synchrotron Radiation Studies at the Advanced Photon Source	\$0	\$0	\$37,305			
154	2017-01-08-63	HE/University of Delaware	S&AS: FND: COLLAB: From Abandoned Mine Reconnaissance to Situation-Adaptive Multirobot Collaboration in Underground Environments	\$154,513	\$0	\$0			
155	2017-01-08-64	HE/University of Delaware	SaTC:EDU: Integrating Cybersecurity Education with Clouds	\$203,154	\$0	\$0			

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Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
156	2017-01-08-65	HE/University of Delaware	NSA K-Space RF Receiver, Phase II	\$160,347	\$0	\$0			
157	2017-01-08-66	HE/University of Delaware	Develop a Protocol for Preparing and Sequencing Reduced Representation Genomic Libraries Using Next-Generation Sequencing Technology to Discover and Genotype Large Numbers of Sequence Polymorphisms Distributed Across Genomes	\$31,199	\$0	\$0			
158	2017-01-08-67	HE/University of Delaware	"Kick Start" Business Development Training Program for Delaware's Rural Downtown Development Districts	\$18,535	\$0	\$0			
159	2017-01-08-68	HE/University of Delaware	Delaware Community, Outreach, Referral, and Early Intervention: Needed Attention to Young Adolescents' Risk of Psychosis	\$0	\$0	\$13,500			
160	2017-01-08-69	HE/University of Delaware	Weed Management for No-Till Rye Seeded Soybeans and Double-Cropped Soybeans	\$0	\$0	\$13,412			
161	2017-01-08-70	HE/University of Delaware	Use of Vibration to Mitigate Gait Disorders of Parkinsons Disease	\$0	\$0	\$57,692			
162	2017-01-08-71	HE/University of Delaware	Electronic and Spin Correlations in Novel Magnetic Compounds	\$175,367	\$0	\$0			
163	2017-01-08-72	HE/University of Delaware	Ultimately Transformed and Optimized Powertrain Integrated With Automated and Novel Vehicular and Highway Connectivity Leveraged for Efficiency (Utopian Vehicle)	\$2,956,720	\$0	\$0			
164	2017-01-08-73	HE/University of Delaware	In Situ Spectroscopic Probing of Metal Oxide Interfaces to Elucidate the Effects of Surface Hydroxylation on Chemical and Photochemical Heterogeneous Reactivity	\$361,941	\$0	\$0			
165	2017-01-08-74	HE/University of Delaware	CIF21 DIBBs: PD: Cyberinfrastructure Tools for Precision Agriculture in the 21st Century	\$342,247	\$0	\$0			
166	2017-01-08-75	HE/University of Delaware	Improving Phosphorus Risk Assessment in the Lower Chesapeake Bay Watershed	\$0	\$0	\$63,561			
167	2017-01-08-76	HE/University of Delaware	Identifying Important Stopover Areas for Migrating Landbirds in Central Indiana Using NEXRAD Data and Ground Surveys	\$0	\$0	\$5,445			
168	2017-01-08-77	HE/University of Delaware	This Research will Provide Production Data for the Study of the Acoustic Properties of Stress and Focus, and will Constitute the First Large Scale, Cross-Linguistic, Investigation of the Acoustic Properties of Lexical and Sentential Prominence	\$390,962	\$0	\$0			
169	2017-01-08-78	HE/University of Delaware	The Center for Drug and Health Studies will conduct the 2017 Youth Risk Behavior Survey of Middle Schools in Delaware on behalf of Nemours Children's Health Systems Division of Health and Prevention Services	\$0	\$0	\$46,296			

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Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	Funding State	Other	Federal	State	Other
170	2017-01-08-79	HE/University of Delaware	Emissions Model	\$0	\$0	\$107,570			
171	2017-01-08-80	HE/University of Delaware	Coca Cola Foundation 2017 UD Mandela Washington Fellowship Civic Leadership Institute	\$0	\$0	\$40,000			
172	2017-01-08-81	HE/University of Delaware	Evaluation of Nitrogen Rate and Fungicide Use on Wheat Yield and Quality	\$0	\$0	\$2,322			
173	2017-01-08-82	HE/University of Delaware	Collaborative Research: Scalable Manufacturing of Soft, Nanostructured, Biomimetic Actuators Through Controlled Alignment of Self-Assembled Polymer Hybrid Films	\$140,029	\$0	\$0			
174	2017-01-08-83	HE/University of Delaware	Boehringer Ingelheim Fremont Lee	\$0	\$0	\$100,000			
175	2017-01-08-84	HE/University of Delaware	Materials in Extreme Dynamic Environments 2017	\$0	\$0	\$714,422			
176	2017-01-08-10	HE/Delaware State University	Inventory of barriers in the Northeast that limit the Aquaculture Industry	\$42,635	\$0	\$0			
177	2017-01-08-11	HE/Delaware State University	III: Small: An Active Approach to Multiresolution Ensembles for Clinical Streams	\$463,030	\$0	\$0			
178	2017-01-08-12	HE/Delaware State University	Adoption of anaerobic soil disinfestation for controlling soil-borne pathogens in greenhouse and high tunnel production	\$49,987	\$0	\$0			
179	2017-01-08-13	HE/Delaware State University	Workforce Training	\$90,500	\$0	\$0			
180	2017-01-08-14	HE/Delaware State University	Firefly Inventory and a geospatial database for the preservation of peatlands and their insects of conservation concern at Acadia National Park, Maine	\$20,000	\$0	\$0			
181	2017-01-08-15	HE/Delaware State University	Targeted Infusion Project: Materials Science MakerLab at Delaware State University	\$399,672	\$0	\$0			
182	2017-01-08-16	HE/Delaware State University	2016 NESARE DE & MD Eastern Shore Joint Outreach Program	\$83,332	\$0	\$0			
183	2017-01-08-17	HE/Delaware State University	Compositional Gradients in Nanostructured Semiconductor Materials toward Programming their Optoelectronic Properties	\$459,760	\$0	\$0			

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<i>Item</i>	<i>SAI#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Funding</i>			<i>Positions</i>		
				<i>Federal</i>	<i>State</i>	<i>Other</i>	<i>Federal</i>	<i>State</i>	<i>Other</i>
184	2017-01-08-85	HE/Delaware State University	A Multifaceted Approach to Estimate and Mitigate the Discard Mortality of Smooth Dogfish, <i>Mustelus Canis</i> , in the Mid-Atlantic Recreational Rod-and-Reel Fishery.	\$22,769	\$0	\$0			
185	2017-01-08-86	HE/Delaware State University	DOE - Kent County Learning Resources Center	\$10,000	\$0	\$0			
186	2017-01-08-87	HE/Delaware State University	Impacts of Metal Oxide Particles on the Permeability of Protocells - An Essential Step Toward the Origin of Life	\$21,639	\$0	\$0			
187	2017-01-08-88	HE/Delaware State University	Delaware INBRE III/DSU	\$200,000	\$0	\$0			
188	2017-01-08-89	HE/Delaware State University	HBCU UP Implementation Project - Transforming Education through Active Learning (TEAL)	\$1,828,749	\$0	\$0			
189	2017-01-08-90	HE/Delaware State University	Novel Water Treatment Technologies for Use in Land-Based Aquaculture	\$199,996	\$0	\$0			
190	2911	HE/Delaware Technical and Community College	America's Promise Job Driven Program	\$3,500,000	\$0	\$0			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business									
1	3013	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delmarva Fox Squirrel Conservation Plan Implementation	\$37,050	\$19,950	\$0	0.15	0.07	0.00
2	3014	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Saltonstall-Kennedy Multi-Species Habitat Utilization	\$236,274	\$0	\$0	0.44	0.00	0.00
3	2997	Department of Safety and Homeland Security, State Police, Traffic	Fatality Analysis Reporting System	\$218,461	\$0	\$0	0.60	0.00	0.00
4	2016-12-23-01	Providence Creek Academy	Providence Creek Academy Expansion of Facilities	\$15,060,000	\$0	\$0	0.00	0.00	0.00
Continued									
5	3015	Judicial, Administrative Office of the Courts - Non-Judicial Services, Child Death Review Commission	Parent Education Abusive Head Trauma Program	\$30,000	\$7,305	\$0	0.00	0.01	0.00
6	3018	Executive, Criminal Justice, Criminal Justice Council	Sexual Assault Services Program	\$352,247	\$0	\$0	0.10	0.00	0.00
7	3017	Department of Health and Social Services, Substance Abuse and Mental Health, Community Mental Health	Community Mental Health Block Grant	\$1,417,398	\$94,950,200	\$0	1.00	0.00	0.00
8	3021	Department of Health and Social Services, Public Health, Community Health	Tobacco Control and Prevention	\$684,184	\$0	\$0	5.00	0.00	0.00
9	3022	Department of Health and Social Services, Public Health, Community Health	Behavioral Risk Factor Surveillance System	\$207,120	\$0	\$0	0.00	0.00	0.00
10	3023	Department of Health and Social Services, Public Health, Community Health	Personal Responsibility Education Program	\$250,000	\$0	\$0	0.00	0.00	0.00
11	3024	Department of Health and Social Services, Public Health, Community Health	Ryan White Care Act Title II	\$4,852,574	\$0	\$0	4.05	0.00	0.00
12	3025	Department of Health and Social Services, Public Health, Community Health	Primary Care Services Resource Coordination and Development	\$155,998	\$0	\$0	1.50	0.00	0.00
13	3026	Department of Health and Social Services, Public Health, Community Health	Immunization and Vaccines for Children Program	\$1,213,805	\$0	\$0	9.30	0.00	0.00
14	3027	Department of Health and Social Services, Public Health, Community Health	Immunization and Vaccines for Children Program - Prevention and Public Health Funds	\$957,712	\$0	\$0	5.16	0.00	0.00
15	3028	Department of Health and Social Services, Public Health, Community Health	Women, Infants and Children Farmers' Market Nutrition Program	\$262,093	\$20,184	\$5,000	0.00	0.20	0.00
16	3029	Department of Health and Social Services, Public Health, Community Health	Title X Family Planning Services	\$1,135,060	\$647,238	\$0	3.25	5.50	0.00
17	3012	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's Fisheries Research Vessel	\$153,000	\$51,000	\$0	0.27	0.67	0.00

New Business requires the attendance of the Contact Person.

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

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
Higher Education									
1	2017-02-04-01	HE/University of Delaware	SNM: Integrated Design, Production, and Process Control of Nanocomposite Coatings: Scalability of Wear-Resistant Nanomaterials Surfaces	\$995,039	\$0	\$0			
2	2017-02-04-02	HE/University of Delaware	SNM: Continuous, Green, Sustainable Nanomanufacturing for Flexible Paper-Based High-Efficiency Enzyme-Cascade Bioreactor	\$0	\$0	\$480,768			
3	2017-02-04-03	HE/University of Delaware	Modeling Molecular Events in HIV-1 2-LTR Formation	\$315,261	\$0	\$0			
4	2017-02-04-04	HE/University of Delaware	Stochastic Resonance Enhanced Sensation to Improve Balance and Function in CP	\$0	\$0	\$39,971			
5	2017-02-04-05	HE/University of Delaware	High-Intensity Interval Training to Recover Walking Post-Stroke: HIT-STROKE Trial	\$0	\$0	\$603,316			
6	2017-02-04-06	HE/University of Delaware	DMREF: Collaborative Research: Theory-Informed Design of Non-Linear Block Copolymers: Optimizing Macromolecular Architecture and Domain Spacing for Nanotemplating Materials	\$347,896	\$0	\$0			
7	2017-02-04-07	HE/University of Delaware	Cellular Cytomechanics Regulates Mechanotransduction and Habituation	\$434,516	\$0	\$0			
8	2017-02-04-08	HE/University of Delaware	Collaborative Research: Data-Enabled Design of Electrode Materials under Uncertainty to Control Self-Discharge of Electric Double Layer Capacitors	\$240,223	\$0	\$0			
9	2017-02-04-09	HE/University of Delaware	Doctoral Dissertation Research: Neural Responses to Artificial Phono tactic Learning	\$11,996	\$0	\$0			
10	2017-02-04-10	HE/University of Delaware	Improving Profitability and Expanding Small Grain-Soybean Systems in the U.S. to Improve Soil Health and Minimize Off-Site Impacts	\$0	\$0	\$16,893			
11	2017-02-04-11	HE/University of Delaware	Annie E. Casey Kids Count 2017 Barlow	\$0	\$0	\$95,238			
12	2017-02-04-12	HE/University of Delaware	Research Supplements to Promote Diversity in Health-Related Research: An Administrative Supplement for R01 DC014461	\$124,961	\$0	\$0			
13	2017-02-04-13	HE/University of Delaware	MR1: Acquisition of a Field Emission Environmental Scanning Electron Microscope (FE-ESEM)	\$580,962	\$0	\$0			
14	2017-02-04-14	HE/University of Delaware	Gate-All-Around(GAA) Field Effect Transistors on Silicon Substrates	\$0	\$0	\$5,000			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
15	2017-02-04-15	HE/University of Delaware	Natural Gas Storage with Porous Liquids	\$0	\$0	\$5,000			
16	2017-02-04-16	HE/University of Delaware	Development and Validation of New Measures of Sexual Functioning in Individuals With SCI	\$430,855	\$0	\$0			
17	2017-02-04-17	HE/University of Delaware	Service Agreement Between University of Delaware and Jannus, Inc	\$0	\$0	\$10,900			
18	2017-02-04-18	HE/University of Delaware	University of Delaware Partnership with the USDA Northeast Climate Hub	\$15,000	\$0	\$0			
19	2017-02-04-19	HE/University of Delaware	Investigating the Use of Emotional Intelligence and Cultural Intelligence Measures in Examining Culturally Responsive Teaching Practices in Social Emotional Learning	\$0	\$0	\$21,739			
20	2017-02-04-20	HE/University of Delaware	Phase 2 Delaware Digital Newspaper Project	\$177,531	\$0	\$0			
21	2017-02-04-21	HE/University of Delaware	Implement PD in Seaford SD to Teach College Ready Writers Program Skills	\$0	\$0	\$19,096			
22	2017-02-04-22	HE/University of Delaware	Victrio® Mechanism of Action (MOA) Study: Kinome Analysis of Treated Macrophage Cell Line, HTC and PBMC-derived Macrophage/Monocytes	\$0	\$0	\$10,050			
23	2017-02-04-23	HE/University of Delaware	Identifying the Role of Developmental and Mechanical Cues Required for Tendon-Bone Attachment Maturation and Healing	\$0	\$0	\$125,000			
24	2017-02-04-24	HE/University of Delaware	NSF Collaborative Research on Early Field Experiences for Prospective Stem Teachers: Scaling the UTE Model	\$252,000	\$0	\$0			
25	2017-02-04-25	HE/University of Delaware	Small Bore, High Field Animal MRI Scanner	\$1,930,380	\$0	\$0			
26	2017-02-04-26	HE/University of Delaware	Clarifying the Origins of Low Wear Polytetrafluoroethylene (PTFE)	\$209,778	\$0	\$0			
27	2017-02-04-27	HE/University of Delaware	Seamless Integration of Distributed Renewables and Electric Vehicles Towards Resilient Smart Grids: Stochastic Games-in-Games Structures	\$319,045	\$0	\$0			
28	2017-02-04-28	HE/University of Delaware	Vulnerability of the Largest U.S. Estuary to Acidification: Implications of Declining pH for Shellfish Hatcheries in the Chesapeake Bay	\$0	\$0	\$12,096			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
29	2017-02-04-29	HE/University of Delaware	The Effect of Kibow Fiber Product on the Structure and Activity of the Equine Microbiome in an in vitro Model of Lactic Acidosis	\$0	\$0	\$21,146			
30	2017-02-04-30	HE/University of Delaware	Association of North American Graduate Programs in the Conservation of Cultural Property	\$0	\$0	\$320,000			
31	2017-02-04-31	HE/University of Delaware	Collaborative Research: New Insights into Mantle Noble Gases From Ophiolite Studies	\$66,660	\$0	\$0			
32	2017-02-04-32	HE/University of Delaware	Collaborative Research: Studying Government Accountability and Responsiveness with Big Data on Citizen-Government Interactions	\$256,429	\$0	\$0			
33	2017-02-04-33	HE/University of Delaware	RF Photonics, Hybrid Optical Apertures, and Integration	\$0	\$0	\$402,363			
34	2017-02-04-34	HE/University of Delaware	MiACL: Michigan Initiative for Anterior Cruciate Ligament Rehabilitation	\$0	\$0	\$106,125			
35	2017-02-04-35	HE/University of Delaware	Thin-Ply Composites Design Technology and Applications	\$0	\$0	\$35,251			
36	2017-02-04-36	HE/University of Delaware	Damage Tolerant Lightweight Pressure Structures	\$0	\$0	\$19,659			
37	2017-02-04-37	HE/University of Delaware	Impact Resistant, Damage Tolerant Composites with Shear Thickening Fluid Energy Absorbing Layers	\$0	\$0	\$22,409			
38	2017-02-04-38	HE/University of Delaware	Impact Damage Modeling of Knit Composites With and Without Damping Layers	\$0	\$0	\$22,409			
39	2017-02-04-39	HE/University of Delaware	Hydrogen Production From Heterostructured Metal Oxide Nanofibers by Upconversion Enhanced Photo catalysis	\$42,308	\$0	\$0			
40	2017-02-04-40	HE/University of Delaware	Evaluate Combining LB and LP on Fermentation, Aerobic Stability and Nutritive Value of HMC	\$0	\$0	\$12,800			
41	2017-02-04-41	HE/University of Delaware	Mechanosensation in Bone Through Osteocyte Plasma Membrane Disruptions	\$0	\$0	\$4,977			
42	2017-02-04-42	HE/University of Delaware	Increasing Consumer Awareness of the Economic and Health Benefits of "Real Texas Honey" Through a Multi-Stage Research and Marketing Campaign Across the State	\$0	\$0	\$15,682			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
43	2017-02-04-43	HE/University of Delaware	Electromagnetic Sensors From Algebraic Corner Vortex Generation in Triangular Plates	\$428,459	\$0	\$0			
44	2017-02-04-44	HE/University of Delaware	Collaborative Research: Auditory Sensory Signals for Syntax	\$116,423	\$0	\$0			
45	2017-02-04-45	HE/University of Delaware	Delaware COBRE for Rehabilitation Research	\$7,450,347	\$0	\$0			
46	2017-02-04-46	HE/University of Delaware	DMREF: Collaborative Research: Designing Interfaces With Emergent Topological Phenomena Driven by Spin-Orbit Coupling, Low-Dimensional Magnetism and Electronic Correlations	\$527,406	\$0	\$0			
47	2017-02-04-47	HE/University of Delaware	Cyber training: DSE: Collaborative Research: Training a Multidisciplinary Workforce in Computational Science Tools	\$204,903	\$0	\$0			
48	2017-02-04-48	HE/University of Delaware	K-Space Tomography for Optimal Spectral Efficiency in Wireless and Cellular Networks	\$494,921	\$0	\$0			
49	2017-02-04-49	HE/University of Delaware	The Influence of Fitness and Habitual Physical Activity on the Neurogenic Actions of Dietary Salt	\$0	\$0	\$9,902			
50	2017-02-04-50	HE/University of Delaware	Chip Design/Air Force HDILED Service Agreement Phase 3, \$20k Increment-KIAMILEV	\$0	\$0	\$20,000			
51	2017-02-04-51	HE/University of Delaware	Surveyable Brain Image Database	\$1,355,674	\$0	\$0			
52	2017-02-04-52	HE/University of Delaware	Research-PGR: Functional Genomics of Beneficial Legume-Microbe Interactions	\$0	\$0	\$540,340			
53	2017-02-04-53	HE/University of Delaware	Gendered Racism and Racial/Ethnic Disparities in Adverse Birth Outcomes	\$0	\$0	\$90,585			
54	2017-02-04-54	HE/University of Delaware	Preparation of a Simulation Model to Simulate the Filtration of Radioactively Contaminated Wash Waters	\$0	\$0	\$20,711			
55	2017-02-04-55	HE/University of Delaware	Practicing Safety Mindfulness Project for Mothers in Drug Treatment	\$0	\$0	\$9,423			
56	2017-02-04-56	HE/University of Delaware	Mitochondria Derived Oxidative Stress, Vascular Function and Exercise Capacity in Chronic Kidney Disease	\$0	\$0	\$10,000			

**Delaware State Clearinghouse Committee
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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
57	2017-02-04-57	HE/University of Delaware	FY2017 State Water Resources Research Institute Program for Delaware	\$92,335	\$0	\$0			
58	2017-02-04-58	HE/University of Delaware	Damage Tolerant Lightweight Pressure Structures	\$0	\$0	\$21,766			
59	2017-02-04-59	HE/University of Delaware	Damage Tolerant Lightweight Pressure Structures	\$0	\$0	\$25,603			
60	2017-02-04-60	HE/University of Delaware	Structural Efficiency-Tailored Airframes and Structures	\$0	\$0	\$25,639			
61	2017-02-04-61	HE/University of Delaware	Discontinuous Thin Ply Technology Development	\$0	\$0	\$40,044			
62	2017-02-04-62	HE/University of Delaware	Exploring Mechanisms Controlling Proximal-Distal Progenitor Cell Fate in the Human Lung	\$0	\$0	\$37,214			
63	2017-02-04-63	HE/University of Delaware	Compiling, Visualizing, and Synthesizing Carbonate and Nutrient Data on U.S. East Coast Continental Shelves	\$0	\$0	\$93,644			
64	2017-02-04-64	HE/University of Delaware	DMREF: Collaborative Research: SOFTCOLL: Multiscale Design of Multi-Functional Responsive SOFT COLLOidal Systems	\$330,726	\$0	\$0			
65	2017-02-04-65	HE/University of Delaware	Title: DMREF: Collaborative Research: Materials Discovery and Heterointerface Electronic Defect Structure of Wide-Bandgap, Polycrystalline Solar Cell Window Layers	\$516,314	\$0	\$0			
66	2017-02-04-66	HE/University of Delaware	Nano-Engineered Semiconductor Metamaterials for Infrared Light Generation and Sensing	\$475,281	\$0	\$0			
67	2017-02-04-67	HE/University of Delaware	RCN: Accelerating Renewable Energy Transitions in North America and Europe: Building a Network of Engineers, Risk Perception Scholars and Developers	\$364,057	\$0	\$0			
68	2017-02-04-68	HE/University of Delaware	Collaborative Research: Efficient Estimation and Inference for Quantile Regression Through Envelope Models	\$106,834	\$0	\$0			
69	2017-02-04-69	HE/University of Delaware	II-EN: Collaborative Research: Data-Driven Domain-specific Cloud (D3 Cloud): An Enhanced Image-Processing Cloud Computing Infrastructure for Research and Education	\$236,203	\$0	\$0			
70	2017-02-04-70	HE/University of Delaware	Soluble Salts on Mars-- Assessing Martian Habitability Using Terrestrial Analogs That Span Gradients of Climate, Topography, and Time	\$0	\$0	\$90,909			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
71	2017-02-04-71	HE/University of Delaware	Sympathetic Reactivity to Short Term Water Restriction	\$0	\$0	\$5,000			
72	2017-02-04-72	HE/University of Delaware	Silicon Photonic Global Interconnect for High Performance Computing Solutions	\$0	\$0	\$28,846			
73	2017-02-04-73	HE/University of Delaware	Removing Nitrate from Stormwater with Biochar Amendment to Roadway Soils	\$0	\$0	\$63,516			
74	2017-02-04-74	HE/University of Delaware	ARMADA: Advancing Reliable Measurement in Alzheimer's Disease and Cognitive Aging	\$0	\$0	\$141,746			
75	2017-02-04-75	HE/University of Delaware	2017 Air Force/4-H Partnership Youth Camps	\$0	\$0	\$30,791			
76	2017-02-04-76	HE/University of Delaware	Improving Rural Access to Care Through a Community-Academic Collaborative Applicant Organization: University of Delaware	\$1,184,212	\$0	\$0			
77	2017-02-04-77	HE/University of Delaware	Fulbright Gateway Orientation for Fulbright Foreign Students	\$0	\$0	\$50,204			
78	2017-02-04-78	HE/University of Delaware	A Comparative Evaluation of the Development of the Broiler Chicken Gut Immune System	\$0	\$0	\$267,868			
79	2017-02-04-79	HE/University of Delaware	Development of Mushroom Mycelium Based Biocomposites for Fashion Products	\$9,615	\$0	\$0			
80	2017-02-04-80	HE/University of Delaware	Artificial Muscle Actuators for Mechanizing an Upper Extremity Exoskeleton Orthosis	\$0	\$0	\$119,896			
81	2017-02-04-81	HE/University of Delaware	Develop Integrated Analog Photonic Modulator Components Compatible with Photonic Foundry Production	\$0	\$0	\$21,234			
82	2017-02-04-82	HE/University of Delaware	Low Voltage Power Sources for Long Life Electronics	\$0	\$0	\$28,846			
83	2017-02-04-83	HE/University of Delaware	Sodium Restriction, Symptom Profiles and Body Composition in End Stage Renal Disease II: An RCT	\$0	\$0	\$58,110			
84	2017-02-04-84	HE/University of Delaware	Creating Workforce Ready Students That Develop Transferable, Interactive Software Designed to Encourage Free-Choice Learning at National Estuarine Research Reserves	\$0	\$0	\$19,472			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
85	2017-02-04-85	HE/University of Delaware	Improving the Accuracy of Soil Moisture and Soil Organic Carbon Estimates at the Continental Scale	\$119,602	\$0	\$0			
86	2017-02-04-86	HE/University of Delaware	2017 American Councils DOS ECA National Security Language Initiative for Youth-Short Term Summer Programs in China	\$0	\$0	\$251,113			
87	2017-02-04-87	HE/University of Delaware	2017 Fulbright Visiting Scholar Program for Iraq - Engineering Cohort	\$0	\$0	\$72,500			
88	2017-02-04-88	HE/University of Delaware	The Mechanisms Underlying Posterior Capsular Opacification	\$1,250,000	\$0	\$0			
89	2017-02-04-89	HE/University of Delaware	NIH HANDLS MK 17-22	\$346,224	\$0	\$0			
90	2017-02-04-90	HE/University of Delaware	Promoting Literacy Development and Learning in Children in Sub-Saharan Africa	\$0	\$0	\$100,072			
91	2017-02-04-91	HE/University of Delaware	Functional Neuro-Imaging with Elastography	\$0	\$0	\$50,000			
92	2017-02-04-92	HE/University of Delaware	Acquisition of Goods and Services: Develop a Protocol for Preparing and Sequencing Reduced Representation Genomic Libraries Using Next-Generation Sequencing Technology to Discover and Genotype Large Numbers of Sequence Polymorphisms Distributed Across Genomes	\$9,091	\$0	\$0			
93	2017-02-04-93	HE/University of Delaware	Improving Cold Weather Foam Depopulation Operation	\$0	\$0	\$85,922			
94	2017-02-04-94	HE/University of Delaware	Effects of Very Low Light Intensity and Wavelength on Performance and Welfare of Broilers at Different Ages	\$0	\$0	\$108,675			
95	2017-02-04-95	HE/University of Delaware	Analysis and Reporting of Data Associated with Salt Marsh Integrity	\$0	\$0	\$21,277			
96	2017-02-04-96	HE/University of Delaware	Generation of Optimized SPMD Kernels Using the ROSE Compiler	\$0	\$0	\$48,191			
97	2017-02-04-97	HE/University of Delaware	Cigarette Smoking-Associated Changes on Platelet Surface	\$0	\$0	\$178,025			
98	2017-02-04-98	HE/University of Delaware	National Farm to School Network 2017-2019 Core Partners Request for Applications	\$0	\$0	\$3,636			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
99	2017-02-04-99	HE/University of Delaware	Measuring Expectations in Patients Awaiting Total Knee Arthroplasty	\$0	\$0	\$12,000			
100	2017-02-05-01	HE/University of Delaware	Proposed AASHTO Bridge Guidelines for Use of ASTM A1010 Steel	\$0	\$0	\$283,389			
101	2017-02-05-02	HE/University of Delaware	Global Evolution of Dust and Magnetic Field: Using JWST to Constrain Magnetic Field and Disk Micro-Physics	\$40,188	\$0	\$0			
102	2017-02-05-03	HE/University of Delaware	Explorations of the UV P-Cygni Profiles of Magnetic Massive Stars	\$37,253	\$0	\$0			
103	2017-02-05-04	HE/University of Delaware	Delineating the Role of Transmural Pressure in Lung Development	\$9,996	\$0	\$0			
104	2017-02-05-05	HE/University of Delaware	Time Resolved Echelle Spectroscopy of Massive Stars at the SARA Observatory	\$301,922	\$0	\$0			
105	2017-02-05-06	HE/University of Delaware	Collaborative Research: Process-Based Assessment of Phosphorus Sources and Sinks in an Estuarine Stream in the Chesapeake Bay Watershed	\$278,911	\$0	\$0			
106	2017-02-05-07	HE/University of Delaware	Evaluation of the Use of Poultry Litter on Soils With High Phosphorus Concentration	\$0	\$0	\$10,040			
107	2017-02-05-08	HE/University of Delaware	Study of Spatial Networks Via Graph Limits	\$0	\$0	\$35,000			
108	2017-02-05-09	HE/University of Delaware	Matrix Positivity Preservers, Schur Polynomials, and Hankel Operators	\$0	\$0	\$35,000			
109	2017-02-05-10	HE/University of Delaware	Materials in Extreme Dynamic Environments 2017	\$0	\$0	\$714,422			
110	2017-02-05-11	HE/University of Delaware	Priming the Brain for Stroke Recovery: Optimizing the Neurotrophic Effects of Aerobic Exercise	\$0	\$0	\$8,087			
111	2017-02-05-12	HE/University of Delaware	Improved Skirt System for Air Cushion Vehicles	\$0	\$0	\$36,060			
112	2017-02-05-13	HE/University of Delaware	Divergence-Free Finite Elements	\$0	\$0	\$35,000			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
113	2017-02-05-14	HE/University of Delaware	Assessing and Remediating the Effects of Invasive Shrubs in Urban Forest Fragments	\$20,000	\$0	\$0			
114	2017-02-05-15	HE/University of Delaware	Degraded Synthetic Training	\$0	\$0	\$30,472			
115	2017-02-05-16	HE/University of Delaware	Synthesis and Evaluation of Narrow-Spectrum Antibiotics Targeting MRSA	\$0	\$0	\$368,267			
116	2017-02-05-17	HE/University of Delaware	NSF/Collaborative Research: Defining and Optimizing Societal Objectives for the Earthquake Risk Management of Critical Infrastructure	\$675,512	\$0	\$0			
117	2017-02-05-18	HE/University of Delaware	NSF/CRISP TYPE 2: Impacts of Human Behaviors on Medical Countermeasures Dispensing During a Biological Outbreak: Interdependencies of Public Health, Emergency Management, and Transportation Response (I-PHEMTR) Systems	\$1,512,930	\$0	\$0			
118	2017-02-05-19	HE/University of Delaware	Integrated Management of Scab and Foliar Diseases of Wheat	\$0	\$0	\$1,650			
119	2017-02-05-20	HE/University of Delaware	Literature-Based Knowledge Portal for miRNA Analysis in Health and Disease	\$999,998	\$0	\$0			
120	2017-02-05-21	HE/University of Delaware	US Boarding School Teacher Evaluation System	\$0	\$0	\$6,410			
121	2017-02-05-22	HE/University of Delaware	Impact of Patellar Tendinopathy and Tendon Health on Tendon Structure, Muscle Performance and Functional Ability in Jumping Athletes	\$0	\$0	\$50,000			
122	2017-02-05-23	HE/University of Delaware	Neurogenic and Cardiovascular Consequences of Mild Dehydration	\$0	\$0	\$53,688			
123	2017-02-05-24	HE/University of Delaware	Data Coordination and Integration Center for LINCS-BD2K: eDSR	\$0	\$0	\$83,334			
124	2017-02-05-25	HE/University of Delaware	Innovative One-step Lignocellulose Processing to Market Driven Nano Cellulose, Xylose and Lignin Products	\$0	\$0	\$28,208			
125	2017-02-05-26	HE/Delaware State University	Gatekeeping Communities: The Role of Landlords in Neighborhood Change and Gentrification	\$41,262	\$0	\$0			
126	2017-02-05-27	HE/Delaware State University	Delaware Public Outreach Programs for the 2017 Solar Eclipse	\$5,000	\$0	\$230			

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<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Funding</i>			<i>Positions</i>		
				<i>Federal</i>	<i>State</i>	<i>Other</i>	<i>Federal</i>	<i>State</i>	<i>Other</i>
127	2017-02-05-28	HE/Delaware State University	Characterization of Atlantic Sturgeon Spawning and Early Life History Requirements in the Hudson River Hyde Park Reach	\$251,191	\$0	\$0			
128	2017-02-05-29	HE/Delaware State University	Center for Research in Optical Sciences and Imaging for Biomedical Applications	\$11,272,587	\$0	\$1,244,791			
129	2017-02-05-30	HE/Delaware State University	MRI: The Acquisition of Seahorse to Measure Mitochondrial Metabolism will Fuel Biological Research at an HBCU	\$278,264	\$0	\$0			
130	2017-02-05-31	HE/Delaware State University	International Science and Technology Academy for Research Scholars (I-STARS), Poland	\$26,500	\$0	\$0			
131	2016-01-02-96 Amendment	HE/Delaware Technical and Community College	DEMEP NIST Grant	\$291,667	\$0	\$0			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	2017-01-10-01	Executive, Delaware State Housing Authority	Resident Opportunities and Support Services - Services Coordinator	\$140,387	\$0	\$140,387	0.00	0.00	0.00
2	3047	Department of Health and Social Services, Public Health, Community Health	Milk and Shellfish Grant Program	\$15,547	\$0	\$0	0.00	0.00	0.00
3	2979	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	State Wildlife Management Area Enhancement	\$2,505,000	\$837,000	\$0	0.60	0.00	0.00
4	3032	Department of Transportation, Planning	Delaware Bayshore Area Strategic Marketing Plan	\$75,500	\$0	\$0	0.00	0.00	0.00
Continued									
5	3031	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	State Health Insurance Assistance Program	\$211,033	\$0	\$0	2.00	0.00	0.00
6	2591 Amendment 3	Legal, Office of Attorney General	High Intensity Drug Trafficking Areas Program	\$30,000	\$0	\$0	0.00	0.00	0.00
7	2017-02-01-01	Department of Health and Social Services, Administration, Office of the Secretary	Stand By Me Financial Empowerment Program (Annie E. Casey Foundation)	\$0	\$0	\$400,000	0.00	0.00	0.00
8	2017-02-02-01	Department of Health and Social Services, Administration, Office of the Secretary	Stand By Me Financial Empowerment Program (W.K. Kellogg Foundation)	\$0	\$0	\$400,000	0.00	0.00	0.00
9	3020	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Delaware Strategic Prevention Framework - Partnership for Success	\$2,016,000	\$0	\$0	0.00	0.00	0.00
10	3030	Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse	Strategic Prevention Framework for Prescription Drugs	\$371,616	\$0	\$0	0.00	0.00	0.00
11	3036	Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse	Delaware Drug Court Expansion and Enhancement Program	\$325,000	\$0	\$0	0.00	0.00	0.00
12	3038	Department of Health and Social Services, Long Term Care Residents Protection	Centers for Medicare and Medicaid Services Survey and Certification - Hospice	\$10,500	\$0	\$0	0.00	0.12	0.00
13	3043	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
14	3045	Department of Health and Social Services, Public Health, Community Health	Medical Monitoring Project	\$311,482	\$0	\$0	1.40	0.00	0.00
15	3046	Department of Health and Social Services, Public Health, Community Health	Pregnancy Risk Assessment Monitoring System	\$151,253	\$135,585	\$0	2.00	0.74	0.00
16	3065	Department of Health and Social Services, Medicaid and Medical Assistance	Money Follows the Person Rebalancing Demonstration	\$4,182,836	\$979,343	\$0	1.50	0.50	0.00
17	2511 Amendment	Department of Natural Resources and Environmental Control, Office of the Secretary, Energy and Climate	Clean Cities Coalition Programmatic Support	\$45,000	\$0	\$0	0.00	0.00	0.00

*New Business requires the attendance of the Contact Person.

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
18	3034	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Phragmites Control on Private and Public Lands	\$168,750	\$56,250	\$0	0.00	0.25	0.00
19	3037	Department of Natural Resources and Environmental Control, Office of the Secretary, Energy and Climate	Weatherization Assistance Program	\$572,294	\$0	\$0	0.00	0.00	0.00
20	3039	Department of Agriculture, Animal Health	Animal Disease Traceability	\$6,000	\$0	\$0	0.00	0.00	0.00
21	3040	Department of Agriculture, Animal Health	Umbrella National Surveillance	\$245,235	\$0	\$0	0.00	0.00	0.00
Higher Education									
1	2017-03-04-01	HE/University of Delaware	Collaborative Research: Characterizing Memory Patterns of Geophysical Signals Using a Combination of Transform Theory, Multi-Scale Decomposition, and Pattern-Analysis Techniques	\$240,365	\$0	\$0			
2	2017-03-04-02	HE/University of Delaware	NRI: INT: Multi-scale cooperative robot deployment in Hazardous Environments	\$876,010	\$0	\$0			
3	2017-03-04-03	HE/University of Delaware	Subversion of Membrane Transport by Legionella Pneumophila	\$0	\$0	\$138,000			
4	2017-03-04-04	HE/University of Delaware	Transition Education and Careers in Computer Information Science and Engineering (TECCIE) A Collaboration Between the University of Delaware and JPMorgan Chase	\$0	\$0	\$14,746,583			
5	2017-03-04-05	HE/University of Delaware	CDS/ARMY Compact and Robust Infrared Scene Projector (CRISP) Kiamilev	\$0	\$0	\$43,286			
6	2017-03-04-06	HE/University of Delaware	Manipulation of Rab GTPase Function by Legionella Pneumophila	\$1,250,000	\$0	\$0			
7	2017-03-04-07	HE/University of Delaware	Additive Manufacturing Framework for Smart Materials and Structures	\$0	\$0	\$48,076			
8	2017-03-04-08	HE/University of Delaware	The Influence of Fitness on the Neurogenic Actions of Dietary Salt	\$0	\$0	\$103,328			
9	2017-03-04-09	HE/University of Delaware	NRT-INFEWS: Addressing the Emerging Challenges at the Nexus of Electrochemical Energy and Water by Training Entrepreneurial Scientists and Engineers	\$2,570,087	\$0	\$0			
10	2017-03-04-10	HE/University of Delaware	A Framework for Effective Defense Against Use-after-Free Vulnerabilities in Software	\$406,299	\$0	\$0			
11	2017-03-04-11	HE/University of Delaware	Mathematical Models for Tissue Structure	\$889,995	\$0	\$0			

*New Business requires the attendance of the Contact Person.

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	Funding State	Other	Federal	State	Other
12	2017-03-04-12	HE/University of Delaware	Lightweight Bullet and Fragment Impact Protection for Mobile Missile Launcher	\$0	\$0	\$31,731			
13	2017-03-04-13	HE/University of Delaware	Stereospecific Cross Couplings to Deliver Highly Enantioenriched, All-Carbon Quaternary Stereocenters	\$0	\$0	\$47,151			
14	2017-03-04-14	HE/University of Delaware	Technologies to Study Genetic Drivers of Phenotypic Traits Associated with Cellular Transformations	\$0	\$0	\$1,016,017			
15	2017-03-04-15	HE/University of Delaware	Low-Cost, Lightweight, High-Strength Structural Materials for Small and Medium Caliber Sabots	\$0	\$0	\$32,051			
16	2017-03-04-16	HE/University of Delaware	Developing Novel Platinum Group Metal-Free Catalysts for Alkaline Hydrogen and Oxygen Evolution Reactions	\$0	\$0	\$251,135			
17	2017-03-04-17	HE/University of Delaware	Non-Precious Bimetallic Electrocatalysts for Advanced Water Splitting	\$570,170	\$0	\$0			
18	2017-03-04-18	HE/University of Delaware	Randomized Control Trial Evaluating the Effectiveness of the Get aHEAD Soccer Heading Intervention for Improving Safe Play and Reducing Concussion in Youth Soccer Players	\$0	\$0	\$161,931			
19	2017-03-04-19	HE/University of Delaware	Instant k-Space Tomography for Spatial-Spectral Monitoring	\$0	\$0	\$28,846			
20	2017-03-04-20	HE/University of Delaware	Hybrid Overmolding of Small and Medium Caliber Sabots	\$0	\$0	\$28,847			
21	2017-03-04-21	HE/University of Delaware	Implementing a Dietary Energy Density Intervention in Preschool Children	\$0	\$0	\$210,000			
22	2017-03-04-22	HE/University of Delaware	Chemically and Mechanically Stabilized Membranes for Alkaline Electrolyzes	\$0	\$0	\$179,487			
23	2017-03-04-23	HE/University of Delaware	Further Development of a Live Attenuated Infectious Laryngotracheitis Virus (ILTV) Vaccine	\$0	\$0	\$61,170			
24	2017-03-04-24	HE/University of Delaware	Development of a New Vaccine Administration Method at Poultry Hatcheries	\$0	\$0	\$67,279			
25	2017-03-04-25	HE/University of Delaware	Degraded Synthetic Training	\$0	\$0	\$45,691			

*New Business requires the attendance of the Contact Person.

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

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
26	2017-03-04-26	HE/University of Delaware	RII Track-4: A Computation-Driven Approach for Rational Design of Advanced Electrocatalysts	\$199,974	\$0	\$0			
27	2017-03-04-27	HE/University of Delaware	Postpartum Smoking Relapse Prevention by Breastfeeding Promotion	\$0	\$0	\$6,882			
28	2017-03-04-28	HE/University of Delaware	Center of Biomedical Research Excellence in Cardiovascular Health	\$1,349,142	\$0	\$0			
29	2017-03-04-29	HE/University of Delaware	Building a Bridge to the Deep Blue Sea by Developing an Artist-in-Residence Program at University of Delaware College of Earth, Ocean and Environment	\$0	\$0	\$80,000			
30	2017-03-04-30	HE/University of Delaware	Phase-Change Materials for Tunable Infrared Devices	\$0	\$0	\$60,363			
31	2017-03-04-31	HE/University of Delaware	The Role of Exosomes in Marek's Disease Virus-induced Immunosuppression	\$0	\$0	\$90,300			
32	2017-03-04-32	HE/University of Delaware	RII Track-2 FEC: G2P in VOM: An Experimental and Analytical Framework for Genome to Phenome Connections in Viruses of Microbes	\$4,924,625	\$0	\$0			
33	2017-03-04-33	HE/University of Delaware	E2CDA: Type 1: Antiferromagnetic Magneto-Electric Memory and Logic	\$276,307	\$0	\$0			
34	2017-03-04-34	HE/University of Delaware	Timing the Availability of Linguistic Predictive Signals: a Cerebellar Opponent Process for Regulating Word Priming	\$350,340	\$0	\$0			
35	2017-03-04-35	HE/University of Delaware	CARE 2.0: A Prospective, Longitudinal Study of the Intermediate and Cumulative Effects of Concussion and Repetitive Head Impact Exposure in NCAA Student-Athletes and U.S. Military Service Academy Members	\$0	\$0	\$194,879			
36	2017-03-04-36	HE/University of Delaware	Grammatical Profiles of Mandarin-Speaking Children with Primary Language Impairment	\$399,531	\$0	\$0			
37	2017-03-04-37	HE/University of Delaware	Evaluating the Nesting Ecology of American Black Duck in Coastal North Carolina	\$0	\$0	\$109,967			
38	2017-03-04-38	HE/University of Delaware	Developing Efficient Catalytic Processes for a Sustainable Future	\$0	\$0	\$75,000			
39	2017-03-04-39	HE/University of Delaware	Collaborative Research: Wave Breaking and Bubble Dynamics	\$90,625	\$0	\$0			

*New Business requires the attendance of the Contact Person.

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
40	2017-03-04-40	HE/University of Delaware	RII Track-2 FEC: Advanced Bio manufacturing: Catalyzing Improved Host Development and High Quality Medicines Through Genome to Phenome Predictions	\$0	\$0	\$972,226			
41	2017-03-04-41	HE/University of Delaware	Finding Solutions to Empower Formerly Incarcerated Individuals with Entrepreneurship Training and Access to Microloans	\$75,000	\$0	\$0			
42	2017-03-04-42	HE/University of Delaware	Thermal Transport in SiC and Diamond Based Composites	\$0	\$0	\$94,846			
43	2017-03-04-43	HE/University of Delaware	The Consortium for Advanced Research on Transport of Hydrocarbon in the Environment III	\$0	\$0	\$320,512			
44	2017-03-04-44	HE/University of Delaware	Collaborative Research: Influence of Wind and Bottom Generated Turbulence on Air-Sea Gas Exchange in a Coral Reef Atoll	\$221,753	\$0	\$0			
45	2017-03-04-45	HE/University of Delaware	Unresolved Post-Concussion Balance Deficits and Subsequent Musculoskeletal Injury	\$111,954	\$0	\$0			
46	2017-03-04-46	HE/University of Delaware	Evaluating State-of-the-Art Methods and Modeling Techniques for Rubble Mound Structures	\$75,896	\$0	\$0			
47	2017-03-04-47	HE/University of Delaware	Mitochondrial Oxidative Stress in Chronic Kidney Disease	\$0	\$0	\$140,000			
48	2017-03-04-48	HE/University of Delaware	Microstructured Hydrogels to Direct Microvascularization of Skeletonized Vessels	\$304,046	\$0	\$0			
49	2017-03-04-49	HE/University of Delaware	Neural Processing of Social Communication	\$275,000	\$0	\$0			
50	2017-03-04-50	HE/University of Delaware	Supported Living Transition Support and Research	\$0	\$0	\$27,559			
51	2017-03-04-51	HE/University of Delaware	Childhood Abuse, Hypothalamic-Pituitary-Adrenal Axis, and Alcohol-Related Female Violence	\$296,944	\$0	\$0			
52	2017-03-04-52	HE/University of Delaware	A Throwable Robot for Inspection and Characterization	\$1,036,227	\$0	\$0			
53	2017-03-04-53	HE/University of Delaware	NIST SURF 2017 Gaithersburg - University of Delaware	\$18,500	\$0	\$0			

*New Business requires the attendance of the Contact Person.

Delaware State Clearinghouse Committee Agenda

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
54	2017-03-04-54	HE/University of Delaware	Dynamic Robot-Aided Neurorehabilitation: The Predictive Value of Neuroimaging-Based Biomarkers of Motor Recovery	\$0	\$0	\$212,700			
55	2017-03-04-55	HE/University of Delaware	Carbon Monitoring Systems Across Mexico to Support Implementation of REDD+: Maximizing Benefits and Knowledge	\$381,238	\$0	\$0			
56	2017-03-04-56	HE/University of Delaware	Collaborative Research: Defining Contributions of Diverse Phototrophic Microbes to Carbon Cycling in Two Mid-Atlantic Estuaries	\$629,332	\$0	\$0			
57	2017-03-04-57	HE/University of Delaware	A Virtual Reality System to Guide Robot Assisted Laparoscopic Radical Prostatectomy	\$200,000	\$0	\$0			
58	2017-03-04-58	HE/University of Delaware	Identifying TeV J2032+4130 and Discovering a New TeV Binary System with Swift and Veritas	\$23,771	\$0	\$0			
59	2017-03-04-59	HE/University of Delaware	Innovation to Invoice (I2I) Applied to Energy Technology Commercialization	\$0	\$0	\$224,358			
60	2017-03-04-60	HE/University of Delaware	Antibody-Mediated Inhibition of Circulating Tumor Cell Docking and Extravasation to Prevent Metastasis	\$275,000	\$0	\$0			
61	2017-03-04-61	HE/University of Delaware	Prediction of Portal Pressure with Liver and Spleen MR Elastography and 4D Flow Phase-Contrast MRI	\$0	\$0	\$44,569			
62	2017-03-04-62	HE/University of Delaware	Graphical Software for Analyzing Multi-Instrument Measurements of Solar-Wind Ions	\$106,214	\$0	\$0			
63	2017-03-04-63	HE/University of Delaware	Glioblastoma Stem Cell Motility and Invasiveness	\$100,000	\$0	\$0			
64	2017-03-04-64	HE/University of Delaware	Solving Scientific Challenges with the Implementation of New Produce Safety Regulations	\$0	\$0	\$284,353			
65	2017-03-04-65	HE/University of Delaware	ATD: Collaborative Research: Multivariate Quantiles for Rapid Spatio-Temporal Threat Detection	\$54,659	\$0	\$0			
66	2017-03-04-66	HE/University of Delaware	PDCE/DASL will Support the NASSP in Implementation of a Grant From the Wallace Foundation to Coordinate PPLCs in National Convenings in March and October 2016	\$0	\$0	\$19,130			
67	2017-03-04-67	HE/University of Delaware	Research Initiative: Pedagogical and Curricular Approaches to Promote Engineering Design Self-Efficacy in Project-Based Learning Environments	\$130,155	\$0	\$0			

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

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
68	2017-03-04-68	HE/University of Delaware	Repurposing the CRISPR-Cas9 System for Dynamic Control of Cellular Metabolism	\$12,000	\$0	\$0			
69	2017-03-04-69	HE/University of Delaware	Carbon Management Decision Support in Watersheds and Coastal Regions of the Gulf of Mexico and Eastern U.S. Using an Integrated Modeling and Observational Framework	\$0	\$0	\$163,868			
70	2017-03-04-70	HE/University of Delaware	Processing of Cu(In,Ga)Se ₂ -Based Solar Cells with Sputtered AgxCuY Interlayers	\$0	\$0	\$96,150			
71	2017-03-04-71	HE/University of Delaware	University Centers for Excellence in Developmental Disabilities	\$2,532,407	\$0	\$0			
72	2017-03-04-72	HE/University of Delaware	Development of Rare Event Simulation Methods for Improved Mechanistic Understanding of Mineral Surface Reactivity	\$349,766	\$0	\$0			
73	2017-03-04-73	HE/University of Delaware	Consortium for Simulation of Oil-Microbial Interactions in the Ocean	\$0	\$0	\$203,328			
74	2017-03-04-74	HE/University of Delaware	Clinical Adaptation of the SCI-QOL Psychosocial Measures	\$0	\$0	\$13,755			
75	2017-03-04-75	HE/University of Delaware	RII Track-4: Microscale Processes Controlling Speciation and Transformation of Phosphorus in Soils	\$214,165	\$0	\$0			
76	2017-03-04-76	HE/University of Delaware	RUI: Studies of High Speed Sliding Friction in Microscopic Contacts Using a Combined Probe and Quartz Crystal Microbalance	\$23,466	\$0	\$0			
77	2017-03-04-77	HE/University of Delaware	The Effectiveness of a Dual Task Training Protocol to Reduce Head Impact Magnitudes	\$0	\$0	\$19,141			
78	2017-03-04-78	HE/University of Delaware	Evaluation of Graphene-Silicon Photonic Integrated Circuits for High-Speed, Light Weight and Radiation Hard Optical Communication in Space	\$61,868	\$0	\$0			
79	2017-03-04-79	HE/University of Delaware	10th Annual Frontiers in Chemistry and Biology Interface Symposium	\$0	\$0	\$4,000			
80	2017-03-04-80	HE/University of Delaware	1654-1639 Innovative Passivation of Bulk Defects in Low Cost Direct Wafer Kerf-Less Multi-Crystalline Si Solar Cell	\$120,742	\$0	\$0			
81	2017-03-04-81	HE/University of Delaware	Modular Plug-and-Play Microfluidic Toolbox as a Disruptive Technology	\$0	\$0	\$600,001			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
82	2017-03-04-82	HE/University of Delaware	Youth Heading - Kaminski	\$0	\$0	\$1,000			
83	2017-03-04-83	HE/University of Delaware	Design of Cyanobacterial Biosystems for Sustainable Production of Fuels and Chemicals	\$0	\$0	\$691,551			
84	2017-03-04-84	HE/University of Delaware	Emissions Model	\$0	\$0	\$107,570			
85	2017-03-04-85	HE/University of Delaware	Real-time Monitoring of the Impact of Observing Sy	\$0	\$0	\$7,431			
86	2017-03-04-86	HE/University of Delaware	SI2-SSE: Collaborative Research: P.S.:MD-Portable Software for Molecular Dynamics Simulation	\$213,011	\$0	\$0			
87	2017-03-04-87	HE/University of Delaware	CPS:SMALL: Collaborative Research: Mission-Defined Hybrid Autonomous Infrastructure for Aquatic Operations	\$151,784	\$0	\$0			
88	2017-03-04-88	HE/University of Delaware	REU Supplement to DMR 1610134 - Directed Self-Assembly of Linear and Star Block Copolymer Thin Films: Oriented Nanostructures with Reduced Feature Sizes via Raster Annealing	\$5,000	\$0	\$0			
89	2017-03-04-89	HE/University of Delaware	1654-1550: A Novel Indium Tin Oxide Evaporation Process for Reduced Cost and Improved Material Properties	\$130,667	\$0	\$0			
90	2017-03-04-90	HE/University of Delaware	High Speed Fin Tunneling Field Effect Transistors on Silicon Substrate	\$0	\$0	\$600,000			
91	2017-03-04-91	HE/University of Delaware	Disc Mechanics and Altered Loading in Degeneration	\$1,637,095	\$0	\$0			
92	2017-03-04-92	HE/University of Delaware	Hydrogen/Metal Hydride Based Heat Pump System for Large HVAC Applications Utilizing an Ionic Liquid Desiccant Subsystem	\$0	\$0	\$146,422			
93	2017-03-04-95	HE/Delaware State University	An Experimental Learning Opportunity in the Performing Arts and STEM at Delaware State University	\$30,000	\$0	\$0			
94	2017-03-04-96	HE/Delaware State University	Intermittent Intergovernmental Personnel Act (IPA)	\$13,842	\$0	\$0			
95	2017-03-04-97	HE/Delaware State University	Catalyzing Improved Host Development and High Quality Medicines through Genome to Phenome Predictions	\$443,263	\$0	\$0			

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<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Funding</i>			<i>Positions</i>		
				<i>Federal</i>	<i>State</i>	<i>Other</i>	<i>Federal</i>	<i>State</i>	<i>Other</i>
96	2017-03-04-98	HE/Delaware State University	Developing blueberries tolerant to high soil pH: An integrated approach	\$295,377	\$0	\$0			
97	2017-03-04-99	HE/Delaware State University	Pre-synaptic modulation of synaptic dopamine levels by D2 auto-receptors	\$427,968	\$0	\$0			
98	2017-03-05-01	HE/Delaware State University	Superparamagnetic-Paramagnetic Immunoassay for Selective Detection of Cancer Biomarkers	\$433,027	\$0	\$0			
99	2017-03-05-02	HE/Delaware State University	Aspire Challenge	\$75,000	\$0	\$0			
100	2017-03-05-03	HE/Delaware State University	Epidemiology of Thyroid Cancer in Delaware	\$161,069	\$0	\$0			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
	None								
Continued									
1	3057	Legal, Office of Attorney General	High Intensity Drug Trafficking Areas Program	\$196,000	\$0	\$0	0.00	0.00	0.00
2	3053	Department of State, Libraries	Library Services and Technology Act	\$834,892	\$618,978	\$0	7.00	8.00	0.00
3	3016	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Substance Abuse Prevention and Treatment Block Grant	\$6,967,796	\$15,131,895	\$0	3.20	33.80	0.00
4	2017-02-20-01	Department of Health and Social Services, Administration, Office of the Secretary, Health Care Commission	Statewide Health Care Innovation Plan	\$0	\$0	\$350,000	0.00	0.00	0.00
5	3042	Department of Natural Resources and Environmental Control, Office of the Secretary, Coastal Programs	Delaware National Estuarine Research Reserve - Land Acquisition for Blackbird Creek Reserve	\$390,000	\$390,000	\$0	0.03	0.00	0.00
6	3051	Department of Transportation, Planning	High Priority Innovative Technology Deployment/Commercial Vehicle Information Systems and Networks	\$1,334,667	\$235,530	\$0	0.00	0.00	0.00
7	2981	Department of Labor, Employment and Training, Employment and Training Services	Apprenticeship USA	\$800,000	\$0	\$0	1.15	0.00	0.00
8	3056	Department of Agriculture, Plant Industries	Farm Bill - Honey Bee Survey	\$13,800	\$0	\$0	0.00	0.00	0.00
9	3054	Department of Education	Adult Basic Education	\$1,650,602	\$854,681	\$0	0.10	0.00	0.00
10	3059	Department of Education	State Assessments and Related Activities	\$3,572,743	\$0	\$0	1.70	0.00	0.00
11	3060	Department of Education	Title I, Part C - Migrant Education	\$288,932	\$0	\$0	1.30	0.00	0.00
12	3061	Department of Education	Migrant Education Program Consortium Incentive	\$133,333	\$0	\$0	0.00	0.00	0.00
13	3062	Department of Education	Title I, Part D - Prevention and Intervention Programs for Children and Youth Who are Neglected, Delinquent or At-Risk	\$539,822	\$0	\$0	0.00	0.00	0.00
Higher Education									
1	2017-04-01-01	HE/University of Delaware	NRI: Goal-Oriented, Subject Adaptive, Robot-Assisted Locomotor Learning (GOALL)	\$8,000	\$0	\$0			
2	2017-04-01-02	HE/University of Delaware	CPS: Medium: Collaborative Research: Constantly on the Lookout: Low-Cost Sensor Enabled Explosive Detection to Protect High Density Environments Yang	\$122,490	\$0	\$0			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
3	2017-04-01-03	HE/University of Delaware	Age-Dependent Osteoarthritis: Role of IGF-1, PAR-2 and TRPV4 Channels in Aging	\$1,250,000	\$0	\$0			
4	2017-04-01-04	HE/University of Delaware	PDCE/DASL will Support the NASSP in Implementation of a Grant From the Wallace Foundation to Coordinate PPLCs in National Convenings in March and October 2016	\$0	\$0	\$19,130			
5	2017-04-01-05	HE/University of Delaware	INFEWS/T3: Innovative Diagnostics for Improved Utilization of Water and Energy for Food Production: Integrating Biophysical and Social Factors	\$0	\$0	\$157,455			
6	2017-04-01-06	HE/University of Delaware	INFEWS/T3: Rebalancing the Natural P and N Cycles: Wastewater Removal of Phosphorus and Nitrogen with Recycle into Valuable Products	\$2,150,566	\$0	\$0			
7	2017-04-01-07	HE/University of Delaware	NSF CPS: Medium: Secure CPS Devices via Emanating Signals, Yang, Wang, Xia	\$677,467	\$0	\$0			
8	2017-04-01-08	HE/University of Delaware	Osteoarthritis and the Inhibition of Mevalonate Pathway	\$1,250,000	\$0	\$0			
9	2017-04-01-09	HE/University of Delaware	Farmers Market Healthy Recipe Demonstration Project 2017- 2019	\$0	\$0	\$9,000			
10	2017-04-01-10	HE/University of Delaware	Active Management of the Phytobiome of Triploid Watermelon (Citrullus lanatus var. lanatus); Plant Health and Disease Suppression Over the Melon Production Cycle	\$0	\$0	\$107,396			
11	2017-04-01-11	HE/University of Delaware	One Absorber Dual Junction Graphene-Silicon Thin Film Solar Cell	\$132,942	\$0	\$0			
12	2017-04-01-12	HE/University of Delaware	Assess and Sustainably Alleviate Arsenic Contamination in Food Chain, Water & Soil, and Bioenergy Production Process Associated with Rice Production and Utilization	\$0	\$0	\$320,261			
13	2017-04-01-13	HE/University of Delaware	Feasibility, Reliability, and Usability of Novel Technology for Objective and Prescriptive Evaluation of Physical Performance in Older Adults and Patients with Lower-Limb Conditions	\$0	\$0	\$392,487			
14	2017-04-01-14	HE/University of Delaware	SI2-SSE: Collaborative Research: Build a High-Performance Data-Driven Cloud Software Package for Big Streaming Data Analytics	\$167,088	\$0	\$0			
15	2017-04-01-15	HE/University of Delaware	SISI-SSE: Developing Efficient Software Elements for Compressible Multiphase Flows Using a Novel Mesoscopic Approach	\$334,356	\$0	\$0			
16	2017-04-01-16	HE/University of Delaware	Integrating Parenting and Financial Counseling	\$0	\$0	\$180,079			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
17	2017-04-01-17	HE/University of Delaware	Resin Infusible Carbon Fiber Unidirectional Broadgoods for Fatigue Dominated Applications	\$0	\$0	\$144,231			
18	2017-04-01-18	HE/University of Delaware	Consulting Service Agreement Between University of Delaware and Center for Child & Family Health (CCFH) 3/14/17 - 9/30/17	\$0	\$0	\$13,888			
19	2017-04-01-19	HE/University of Delaware	Consulting Service Agreement Between University of Delaware and Center for Child & Family Health (CCFH) 10/1/17 - 3/13/18	\$0	\$0	\$13,888			
20	2017-04-01-20	HE/University of Delaware	New Castle County 4-H Youth Development Programming	\$0	\$0	\$84,000			
21	2017-04-01-21	HE/University of Delaware	NeTS: Medium: Collaborative Research: In-Band Full-Duplex Underwater Acoustic Networks	\$137,923	\$0	\$0			
22	2017-04-01-22	HE/University of Delaware	Quantum Energy and Sustainable Solar Technologies (QESST) Continuation Years 7-10	\$0	\$0	\$716,902			
23	2017-04-01-23	HE/University of Delaware	Genome Engineering of Clostridium Organisms for Production of Intermediate Carbon-Chain Length Metabolites	\$6,361,501	\$0	\$0			
24	2017-04-01-24	HE/University of Delaware	Incorporating Image-based Features into Biomedical Document Classification	\$1,753,983	\$0	\$0			
25	2017-04-01-25	HE/University of Delaware	Breast Displacement Studies with STF/Reebok	\$0	\$0	\$8,304			
26	2017-04-01-26	HE/University of Delaware	Fair Housing Project to Detect Differences in the Quality of Maintenance of Real Estate Owned Residential Properties Located in New Castle County, Delaware	\$0	\$0	\$21,183			
27	2017-04-01-27	HE/University of Delaware	Perform Ammonia Mass Flow Measurement for Matching Broiler Poultry Grow Houses, Located Near Frankford, Delaware	\$0	\$0	\$5,453			
28	2017-04-01-28	HE/University of Delaware	Engineering Feedstock Flexibility for Maximal Lipid Production by Yarrowia Lipolytica Using Cell-Wide Kinetic Models Informed by Cell-Wide Measurements	\$0	\$0	\$817,418			
29	2017-04-01-29	HE/University of Delaware	Laser Based Remote Magnetometry With Mesospheric Sodium Atoms for Geomagnetic Field Measurements	\$720,691	\$0	\$0			
30	2017-04-01-30	HE/University of Delaware	"Longitudinal Examination of Victimization Experiences of Latinos (LEVEL): Extending the Bias Victimization Study."	\$0	\$0	\$76,085			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
31	2017-04-01-31	HE/University of Delaware	Blueprint Communities Delaware Partnership	\$0	\$0	\$65,818			
32	2017-04-01-32	HE/University of Delaware	Mechanisms of Silicate Mineral Authigenesis at Low Temperatures and Short Timescales in Association With Sedimentary Organic Matter	\$0	\$0	\$110,000			
33	2017-04-01-33	HE/University of Delaware	Delaware Space Observations Center (DSpOC): A Program to Promote Funded Research in Experimental and Observational Space Physics	\$569,175	\$0	\$0			
34	2017-04-01-34	HE/University of Delaware	Arsenic-Mediated Fibrosis and Developmental Dysregulation in the Fetal Lung	\$275,000	\$0	\$0			
35	2017-04-01-35	HE/University of Delaware	Drug Delivery System Based on Near-IR Photocatalytic Activation of Tetrazine Ligation	\$275,000	\$0	\$0			
36	2017-04-01-36	HE/University of Delaware	Role of Surface Defects on Surfaces of Metal Oxides in Hydrogenation and Dehydrogenation Processes	\$0	\$0	\$110,000			
37	2017-04-01-37	HE/University of Delaware	Extreme Energy Particle Astrophysics with ANITA-V [University of Delaware] Co-I	\$376,974	\$0	\$0			
38	2017-04-01-38	HE/University of Delaware	Extending Industrial Assessment Centers to Underserved Areas	\$499,390	\$0	\$0			
39	2017-04-01-39	HE/University of Delaware	Development of a Self-Monitoring/Self-Management Program To Improve Sexual Function After SCI AND TBI	\$1,871,161	\$0	\$0			
40	2017-04-01-40	HE/University of Delaware	Shriners FES To Improve Crouch Gait in CP - Additional Funding	\$0	\$0	\$30,270			
41	2017-04-01-41	HE/University of Delaware	Transitioning the Existing Optical Phytoplankton Discriminator to an Operational Slocum Glider Sensor Payload for Phytoplankton Species, CDOM Absorption and Inherent Optical Properties	\$0	\$0	\$22,431			
42	2017-04-01-42	HE/University of Delaware	Coupling Metabolism to Mineralogical Scaffolding for Understanding Nano-Material Production in Metal-Oxidizing Bacteria	\$268,219	\$0	\$0			
43	2017-04-01-43	HE/University of Delaware	Systems Biology Models for COPD	\$0	\$0	\$75,000			
44	2017-04-01-44	HE/University of Delaware	Neurological and Cognitive Benefits of BrainGym Training in Older Adults with Mild Cognitive Impairment	\$0	\$0	\$65,897			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
45	2017-04-01-45	HE/University of Delaware	Formative and Pilot Intervention Research for Prevention and Treatment of HIV/AIDS (R34)	\$0	\$0	\$72,400			
46	2017-04-01-46	HE/University of Delaware	OFC OF ED UBMS JOHNSON 2017/18	\$271,789	\$0	\$0			
47	2017-04-01-47	HE/University of Delaware	Mechanical Biomarker for Mesial Temporal Sclerosis in Temporal Lobe Epilepsy	\$357,620	\$0	\$0			
48	2017-04-01-48	HE/University of Delaware	Spatially Targeted Biomaterials-Directed Engineering of the Adventitium to Enhance Cardiovascular Repair	\$306,694	\$0	\$0			
49	2017-04-01-49	HE/University of Delaware	AROQ LTD JUST-STYLE YEAR 2	\$0	\$0	\$15,000			
50	2017-04-01-50	HE/University of Delaware	Expand Public Health and Criminal Justice Intelligence on Cross-Agency Metrics for Effective Use by Policy-Makers, Agencies, Practitioners, and Other Parties in Combatting Delaware's Heroin and Opioid Problems	\$377,382	\$0	\$0			
51	2017-04-01-51	HE/University of Delaware	BIGDATA: IA: Collaborative Research: In Situ Data Analytics for Next Generation Molecular Dynamics Workflows	\$637,776	\$0	\$0			
52	2017-04-01-52	HE/University of Delaware	Mechanical and Genetic Regulation of Multiscale Smooth Muscle Contractions that Drive Airway Morphogenesis	\$15,000	\$0	\$0			
53	2017-04-01-53	HE/University of Delaware	Permafrost Modeling in the Dry Andes, Argentina	\$0	\$0	\$15,000			
54	2017-04-01-54	HE/University of Delaware	The Daily Reality of School Security and Discipline: Examining Perceptions of School Safety Practices among Students, Teachers, and Administrators	\$412,704	\$0	\$0			
55	2017-04-01-55	HE/University of Delaware	NOAA NWS National Mesonet Program 2017-2018	\$0	\$0	\$141,747			
56	2017-04-01-56	HE/University of Delaware	Physiological, Psychological, and Genomic Factors That Predict the Transition From Acute to Chronic Pain in Patients with Traumatic Lower Extremity Fracture	\$0	\$0	\$1,055,913			
57	2017-04-01-57	HE/University of Delaware	NSF Algebraic Methods in Combinatorics and Finite Geometry	\$10,000	\$0	\$0			
58	2017-04-01-58	HE/University of Delaware	Creation of a Preservation Planning Brochure for the Historic Preservation Commission	\$0	\$0	\$3,338			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
59	2017-04-01-59	HE/University of Delaware	National Register Historic District Update Survey Phase II	\$0	\$0	\$3,338			
60	2017-04-01-60	HE/University of Delaware	Chesapeake Bay Ecological Technology TRansition (C-BETTeR): An Integrated Observational, Modeling, and App-Based Prediction System	\$0	\$0	\$561,378			
61	2017-04-01-61	HE/University of Delaware	An Autonomous Profiling Vessel for Rapid Deployment	\$0	\$0	\$7,431			
62	2017-04-01-62	HE/University of Delaware	New Castle County FY17 NR/TBS	\$0	\$0	\$9,857			
63	2017-04-01-63	HE/University of Delaware	XPS: FULL: CCF: Collaborative Research: SPARTA: a Stream-based Processor And Run-Time Architecture	\$27,412	\$0	\$0			
64	2017-04-01-64	HE/University of Delaware	Building a Validation and Verification Suite for Open MP 4.5	\$38,225	\$0	\$0			
65	2017-04-01-65	HE/University of Delaware	Driving Next-Generation Schedulers with Machine Learning-Based Application Patterns	\$0	\$0	\$203,947			
66	2017-04-01-66	HE/University of Delaware	CHIP DESIGN/Air Force Research Laboratory "Efficient Arrays for Generating Light Emission (EAGLE)" Service Agreement, Kiamilev	\$0	\$0	\$3,497			
67	2017-04-01-67	HE/University of Delaware	Data Integration and Web-based Model Validation Tool for NOAA CO-OPS	\$1,061,917	\$0	\$0			
68	2017-04-01-68	HE/University of Delaware	Stochastic Hybrid Systems Approach to Uncovering Cell-Size Control Mechanisms	\$587,992	\$0	\$0			
69	2017-04-01-69	HE/University of Delaware	PADE First State Animal Shelter - SPCA	\$0	\$0	\$10,350			
70	2017-04-01-70	HE/University of Delaware	JPMC PHD Faculty Fellows	\$0	\$0	\$2,100,000			
71	2017-04-01-71	HE/University of Delaware	JPMC PHD Scholars	\$0	\$0	\$180,000			
72	2017-04-01-72	HE/University of Delaware	Knowledge Hub on Colored Gemstones and Sustainability	\$0	\$0	\$321,500			

*New Business requires the attendance of the Contact Person.

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
73	2017-04-01-73	HE/University of Delaware	ASTHO/Administrative Preparedness for Evacuation to Foster Adaptive Healthcare Networks	\$0	\$0	\$96,094			
74	2017-04-01-74	HE/University of Delaware	The Effects of Chemotherapy-Based Cognitive Deficits on Decision Making	\$0	\$0	\$702,440			
75	2017-04-01-75	HE/University of Delaware	Using Remotely-Sensed Earth Observation Data to Ensure Food Security for Commercial Poultry and Swine in North America from Avian and Swine Influenzas	\$0	\$0	\$1,980,506			
76	2017-04-01-76	HE/University of Delaware	Evaluation of Rumen Protected Lysine and Methionine Prototypes in Lactating Dairy Cows	\$0	\$0	\$27,927			
77	2017-04-01-77	HE/University of Delaware	OP: Collaborative Research: Integrated Simulation of Non-Homogeneous Thin-Film Photovoltaic Devices	\$9,000	\$0	\$0			
78	2017-04-01-78	HE/University of Delaware	The Impact of Financial Coaching Partnered with Early Childcare Programs on Financial Behaviors and Family Wellbeing	\$0	\$0	\$25,000			
79	2017-04-01-79	HE/University of Delaware	Master Players Concert Series	\$0	\$0	\$2,000			
80	2017-04-01-80	HE/University of Delaware	An fNIRS-Based Study Comparing Interpersonal Synchrony in Children With and Without Autism Spectrum Disorder (ASD)	\$0	\$0	\$5,000			
81	2017-04-01-81	HE/University of Delaware	Impact of Genetically Engineered Maize on The Immune Response of Diabrotica Virgifera Larvae to Soil Entomopathogens	\$421,109	\$0	\$0			
82	2017-04-01-82	HE/University of Delaware	Professional Development Services Including Coaching, Support and Follow Through for Caesar Rodney School District Educators	\$0	\$0	\$14,667			
83	2017-04-01-83	HE/University of Delaware	Dry Environment Friction Testing of Polymeric Brake Materials for Use in Space	\$0	\$0	\$5,000			
84	2017-04-01-84	HE/University of Delaware	Beginning Farmer Workshop	\$0	\$0	\$14,698			
85	2017-04-01-85	HE/University of Delaware	National Register Historic District Update Survey Phase III	\$0	\$0	\$3,386			
86	2017-04-01-86	HE/University of Delaware	A Comprehensive System for 3D Augmented Reality With Fusion on Radar, IR, Color, Depth (Using Stereo) and Classification of Hidden Target Objects	\$687,308	\$0	\$0			

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
Agenda**

April 25, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
87	2017-04-01-87	HE/University of Delaware	Delaware Army National Guard Energy Assessment Program	\$69,696	\$0	\$0			
88	2017-04-01-88	HE/University of Delaware	Hybrid Integration of Nonlinear Crystals on Silicon Photonics for Space Communication and Sensing	\$474,718	\$0	\$0			
89	2017-04-01-89	HE/University of Delaware	Supporting Women and Children with Substance Use Recovery - A Family Unity Approach (SWC-FamU)	\$0	\$0	\$125,910			
90	2017-04-01-90	HE/University of Delaware	Electrochemical Production of High Concentration Ethanol from Carbon Dioxide	\$0	\$0	\$961,538			
91	2017-04-01-91	HE/University of Delaware	NSF Belmont Forum Transformations to Sustainability (T2S) Belmont Forum	\$134,406	\$0	\$0			
92	2017-04-01-92	HE/University of Delaware	Consequences of Immune Activation on Microglia-Mediated Synapse Remodeling and Learning in the Juvenile Rat	\$117,748	\$0	\$0			
93	2017-04-01-93	HE/University of Delaware	The Role of Hippocampal-Thalamo-Prefrontal Circuit Alterations in Behavioral Abnormalities in an Animal Model of FASD	\$117,748	\$0	\$0			
94	2017-04-01-94	HE/University of Delaware	Prefrontal Mechanisms of Impaired Cognition in a Rat Model of FASD	\$176,622	\$0	\$0			
95	2017-04-01-95	HE/University of Delaware	Stewardship Assistant Intern	\$0	\$0	\$5,000			
96	2017-04-01-96	HE/University of Delaware	Collaborative: S12-S212 Conceptualization: Software Institute for Robust Science: Reproducibility, Automation and Trust in Software for Science	\$32,051	\$0	\$0			
97	2017-04-01-97	HE/University of Delaware	Mid-Atlantic Health Equity Scholars Program	\$0	\$0	\$181,734			
98	2017-04-01-98	HE/University of Delaware	Ronald E. McNair Post-Baccalaureate Achievement	\$214,790	\$0	\$0			
99	2017-04-01-99	HE/University of Delaware	Mesothelial Mechanotransduction as a Key Regulator of Embryonic Lung Growth	\$162,726	\$0	\$0			
100	2017-04-02-01	HE/University of Delaware	Physical Activity, Weight Gain, and Risk for Knee Osteoarthritis after Traumatic Knee Injury	\$177,222	\$0	\$0			

*New Business requires the attendance of the Contact Person.

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

**Delaware State Clearinghouse Committee
Agenda**

April 25, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
101	2017-04-02-02	HE/Delaware State University	RCMI: Interdisciplinary Center for Behavioral and Neuroscience Research (BaNR)	\$16,089,830	\$0	\$681,012			
102	2017-04-02-03	HE/Delaware State University	Evaluating Biodiversity and Ecosystem Services Delivery of Isolated Wetlands at Delaware National Estuarine Research Reserve	\$8,290	\$0	\$0			
103	2017-04-02-04	HE/Delaware State University	Lyme and other Tick-Borne Disease Evaluation	\$16,000	\$0	\$0			
104	2017-04-02-05	HE/Delaware State University	Laser based remote magnetometry with mesospheric sodium atoms for geomagnetic field measurements	\$720,690	\$0	\$348,904			
105	2017-04-02-06	HE/Delaware State University	Mindfulness-Based Relapse Prevention (MBRP): Brain and behavioral mechanisms of change	\$607,605	\$0	\$0			
106	2017-04-02-07	HE/Delaware State University	Developing novel Miscanthus X Giganteus biomass with reduced recalcitrance and increased abiotic stress tolerance for sustainable production of biofuels and biochemical in marginal environments	\$9,767,593	\$0	\$0			
107	2017-04-02-08	HE/Delaware State University	Breath-Sense- Next Generation 3-D Bio-printed Wearable Sensors for Human Health Monitoring	\$72,096	\$0	\$0			
108	2017-04-02-09	HE/Delaware State University	Assessment of Post-Release Mortality and Bycatch Rates of Atlantic Sturgeon in Modified Large Mesh Sink Gillnets in the NJ and NY Monkfish Fishery	\$189,986	\$0	\$113,302			
109	2017-04-02-10	HE/Delaware State University	Title X: Family Planning Services	\$16,110	\$0	\$0			
110	2017-04-02-11	HE/Delaware State University	Highly Selective Superparamagnetic Immunoassay with a Wide working Range	\$74,565	\$0	\$0			
111	2017-04-02-12	HE/Delaware State University	1890 Facilities Grant Program	\$700,653	\$0	\$0			
112	2017-04-02-13	HE/Delaware State University	Transferring the entire metabolic pathway of artemisinin biosynthesis from sweet wormwood (Artemisia annua) to cassava (Manihot esculenta crantz)	\$100,000	\$0	\$100,000			

**Delaware State Clearinghouse Committee
Amended May Agenda**

June 2, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
4	3096	Department of Health and Social Services, Public Health, Community Health	Hepatitis C and B Strengthening Surveillance	\$200,000	\$0	\$0	0.00	0.00	0.00
2	2993	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Boating Infrastructure Grant Program	\$200,000	\$66,667	\$0	0.00	0.03	0.00
3	3067	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
4	3082	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Community-Scale Air Toxics Ambient Monitoring	\$234,203	\$264,800	\$0	0.00	0.00	0.00
5	3106	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Prime Hook National Wildlife Refuge Marsh Restoration	\$25,000	\$0	\$0	0.07	0.00	0.00
6	3105	Department of Education	Title IV, Part A - Student Support and Enrichment	\$2,425,000	\$0	\$0	0.00	0.00	0.00
Continued									
7	3002	Executive, Criminal Justice, Criminal Justice Council	John R. Justice	\$31,662	\$0	\$0	0.01	0.00	0.00
8	3068	Department of Health and Social Services, Administration, Management Services	Infants and Toddlers with Disabilities	\$2,455,263	\$3,007,431	\$0	8.00	34.50	0.00
9	3097	Department of Health and Social Services, Public Health, Community Health	Public Health Approaches to Ensuring Quitline Capacity	\$51,120	\$0	\$0	0.00	0.00	0.00
10	3098	Department of Health and Social Services, Public Health, Community Health	State Office of Rural Health	\$172,000	\$1,335,357	\$0	1.25	0.00	0.00
11	3099	Department of Health and Social Services, Public Health, Community Health	Development, Maintenance and Enhancement of Early Hearing Detection and Intervention System Surveillance Programs	\$445,870	\$0	\$0	0.00	0.00	0.00
12	3100	Department of Health and Social Services, Public Health, Community Health	Integrating Colorectal Cancer Screening	\$1,362,953	\$0	\$0	5.10	0.00	0.00
13	3101	Department of Health and Social Services, Public Health, Community Health	National Cancer Prevention and Control Program	\$2,940,037	\$869,099	\$0	7.90	4.40	0.00
14	3102	Department of Health and Social Services, Public Health, Community Health	State Public Health Actions to Prevent and Control Diabetes, Heart Disease, Obesity and Associated Risk Factors and Promote School Health - Enhanced Diabetes and Heart and Stroke Components	\$592,112	\$0	\$0	0.00	0.00	0.00
15	3103	Department of Health and Social Services, Public Health, Community Health	State Public Health Actions to Prevent and Control Diabetes, Heart Disease, Obesity and Associated Risk Factors and Promote School Health - Basic Component	\$503,930	\$11,307	\$0	5.00	0.20	0.00
16	3136	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities	Senior Medicare Patrol	\$248,948	\$0	\$0	1.50	0.00	0.00
17	2262 Amendment	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - State Exchange	\$4,157	\$0	\$0	0.00	0.00	0.00

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
Amended May Agenda**

June 2, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
18	3091	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Wildlife Investigations - White-Tailed Deer	\$111,316	\$37,105	\$0	0.36	0.29	0.00
19	3095	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware Sciaenid Research	\$13,794	\$4,598	\$0	0.12	0.01	0.00
20	2405 Amendment 2	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Support Agency Cooperative Agreement - Brownfields Revitalization	\$458,673	\$0	\$0	2.70	0.00	0.00
21	3087	Department of Labor, Unemployment Insurance	Reemployment and Eligibility Assessment	\$439,446	\$0	\$0	6.57	0.00	0.00
22	3070	Department of Education	Title I, Part A - Improving the Academic Achievement of the Disadvantaged	\$49,437,000	\$0	\$0	2.25	0.00	0.00
23	3071	Department of Education	Title II, Part A - Improving Teacher Quality	\$10,901,000	\$0	\$0	1.90	0.00	0.00
24	3073	Department of Education	Title III-English Acquisition	\$1,239,826	\$0	\$0	1.10	0.00	0.00
25	3074	Department of Education	Individuals with Disabilities Education Act, Part B, Section 611 - State Grant	\$36,565,162	\$0	\$0	10.10	0.00	0.00
26	3075	Department of Education	Individuals with Disabilities Education Act, Part B, Section 619 - Preschool	\$1,332,032	\$0	\$0	0.00	0.00	0.00
27	3076	Department of Education	Carl D. Perkins Career and Technical Education	\$4,725,500	\$0	\$0	3.17	0.00	0.00
28	3088	Department of Education	Education for Homeless Children and Youth	\$218,903	\$0	\$0	0.15	0.00	0.00
29	3089	Department of Education	Title IV, Part B - 21st Century Community Learning Centers	\$5,716,698	\$0	\$0	0.80	0.00	0.00

Higher Education

1	2017-05-06-01	HE/University of Delaware	"A Watershed DataLink" - Adding to the MARACOOS Data Portal With NGSS Aligned Phenomena and Lesson Plans Linked to Visualized Real Time, Place Based, Water Quality, Level and Weather Events	\$0	\$0	\$7,431			
2	2017-05-06-02	HE/University of Delaware	Engaging Biomechanical Forces in Bioreactor Design for Production of Platelets and Pothrombotic Particles	\$651,868	\$0	\$0			
3	2017-05-06-03	HE/University of Delaware	Recovery of Symptoms, Function, Tendon Structure and Mechanical Properties in Patients With Achilles Tendinopathy: A Comparison Between Men and Women	\$1,915,154	\$0	\$0			
4	2017-05-06-04	HE/University of Delaware	Delaware Procurement Technical Assistance Center Base FY18	\$183,803	\$81,652	\$0			
5	2017-05-06-05	HE/University of Delaware	Julie Steinberg DE Sea Grant Knauss Fellowship 2018	\$61,500	\$0	\$0			

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
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June 2, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
6	2017-05-06-06	HE/University of Delaware	Meredith Kurz DE Sea Grant Knauss Fellowship 2018	\$61,500	\$0	\$0			
7	2017-05-06-07	HE/University of Delaware	Directly Testing the Magnocellular Theory of Dyslexia	\$1,250,000	\$0	\$0			
8	2017-05-06-08	HE/University of Delaware	Horizon: Validation of an Improved Method for Rapid Characterization of Protein Aggregates in Biologic Drugs for Increased Quality and Safety	\$0	\$0	\$57,693			
9	2017-05-06-09	HE/University of Delaware	Reducing Solid Fat and Added Sugar Intakes in Low-Income Preschoolers Through Environmental and Behavioral Portion Size Strategies	\$0	\$0	\$9,632			
10	2017-05-06-10	HE/University of Delaware	Educator Coaching Services in Laurel School District for Content-Specific Planning and Instruction	\$0	\$0	\$2,982			
11	2017-05-06-11	HE/University of Delaware	Lewes National Register Historic District Update Survey Phase IV	\$0	\$0	\$2,752			
12	2017-05-06-12	HE/University of Delaware	Concept Systems SIM State-Led Evaluation by DHSS HSS-15-055	\$0	\$0	\$70,827			
13	2017-05-06-13	HE/University of Delaware	Scientific Software Innovation Institutes (S2I2) Conceptualization: Materials Design Software Institute	\$220,921	\$0	\$0			
14	2017-05-06-14	HE/University of Delaware	Measuring Expectations in Patients Awaiting Total Knee Arthroplasty	\$0	\$0	\$12,000			
15	2017-05-06-15	HE/University of Delaware	HHS DATI FY2017 Delaware Assistive Technology Initiative	\$387,420	\$0	\$0			
16	2017-05-06-16	HE/University of Delaware	DOS FY2017 Study of the U.S. Institutes for Scholars and Secondary Educators	\$257,333	\$0	\$0			
17	2017-05-06-17	HE/University of Delaware	DSBDC 2017 Portable Assistance Program, OSBDC-2017-03	\$91,743	\$0	\$0			
18	2017-05-06-18	HE/University of Delaware	Automated Formative Writing Assessment Using a Levels-of-Language Framework: Exploring Construct and Predictive Validity in Grades 3-5	\$0	\$0	\$49,581			
19	2017-05-06-19	HE/University of Delaware	Cycling Biomechanics Data Processing	\$0	\$0	\$20,152			

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
Amended May Agenda**

June 2, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
20	2017-05-06-20	HE/University of Delaware	A Preliminary Estimate of White-tailed Deer (<i>Odocoileus virginianus</i>) Abundance in First State National Historical Park	\$41,566	\$0	\$0			
21	2017-05-06-21	HE/University of Delaware	Development of Sustainment Air Mobility Vehicle	\$0	\$0	\$83,397			
22	2017-05-06-22	HE/University of Delaware	New Castle County FY18 NR/TBS	\$0	\$0	\$7,074			
23	2017-05-06-23	HE/University of Delaware	Supportive Transitions And Resources for Teaching English Learners (START EL)	\$2,133,985	\$0	\$0			
24	2017-05-06-24	HE/University of Delaware	Contributions of Skeletal Muscle Loading During Rotator Cuff Maturation and Healing	\$200,000	\$0	\$0			
25	2017-05-06-25	HE/University of Delaware	Humanity United Better Buying	\$0	\$0	\$194,540			
26	2017-05-06-26	HE/University of Delaware	Delaware INBRE	\$2,819,858	\$0	\$0			
27	2017-05-06-27	HE/University of Delaware	Perform Ammonia Mass Flow Measurement for Matching Broiler Poultry Grow Houses, Located Near Frankford, Delaware	\$0	\$0	\$5,453			
28	2017-05-06-28	HE/University of Delaware	NAHLN Member Laboratory Work Plan FY17	\$47,440	\$0	\$0			
29	2017-05-06-29	HE/University of Delaware	Material Culture Conservation Education and Training	\$200,000	\$0	\$0			
30	2017-05-06-30	HE/University of Delaware	Frontal Structures and Surface Signatures Revealed by Non-Hydrostatic Eddy Resolving Numerical Simulations	\$217,305	\$0	\$0			
31	2017-05-06-31	HE/University of Delaware	High Temperature Unidirectional and Bidirectional Tribometry	\$0	\$0	\$116,015			
32	2017-05-06-32	HE/University of Delaware	Ultimately Transformed and Optimized Powertrain Integrated With Automated and Novel Vehicular and Highway Connectivity Leveraged for Efficiency (Utopian Vehicle)	\$2,791,719	\$0	\$0			
33	2017-05-06-33	HE/University of Delaware	Memory Consolidation of Speech across Language and Reading Ability	\$0	\$0	\$10,000			

*New Business requires the attendance of the Contact Person.

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**Delaware State Clearinghouse Committee
Amended May Agenda**

June 2, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
34	2017-05-06-34	HE/University of Delaware	PIRE: Observation of Ultra-high-energy Neutrinos with the Askaryan Radio Array	\$0	\$0	\$236,532			
35	2017-05-06-35	HE/University of Delaware	Delaware CES - RWJF Culture of Health	\$0	\$0	\$63,001			
36	2017-05-06-36	HE/University of Delaware	Town of Milton FY18 National Register Historic District Amendment	\$0	\$0	\$2,752			
37	2017-05-06-37	HE/University of Delaware	Antibody-Mediated Inhibition of Circulating Tumor Cell Docking and Extravasation to Prevent Metastasis	\$0	\$0	\$145,709			
38	2017-05-06-38	HE/University of Delaware	Using Modern Patient-Reported Outcomes Measures to Improve Evidence-Based Practice in Speech-Language Therapy	\$0	\$0	\$75,000			
39	2017-05-06-39	HE/University of Delaware	Personalizing Spinal Cord Injury Medicine: Identifying Phenotypes to Improve Community Integration and Participation	\$0	\$0	\$759,586			
40	2017-05-06-40	HE/University of Delaware	Instrumented Prosthesis for Load Detection and Feedback	\$0	\$0	\$15,000			
41	2017-05-06-41	HE/University of Delaware	Long Timescale Constitutive Response of Hydrogels	\$0	\$0	\$651,981			
42	2017-05-06-42	HE/University of Delaware	Understanding PhD Career Pathways for Program Improvement - the University of Delaware Experience	\$0	\$0	\$62,050			
43	2017-05-06-43	HE/University of Delaware	Probing the Extreme Wind Confinement of the Most Magnetic O Star with COS Spectroscopy	\$0	\$0	\$5,143			
44	2017-05-06-44	HE/University of Delaware	Evaluating the "Art of Happiness" Program through a Randomized Clinical Control Trial	\$0	\$0	\$109,297			
45	2017-05-06-45	HE/University of Delaware	Design and Characterization of Novel Organic-Inorganic Hybrid Materials for Selective Extraction of Radioactive Cesium from Aqueous Media	\$0	\$0	\$13,721			
46	2017-05-06-46	HE/University of Delaware	Wearable Technology to Facilitate Health Support on Prenatal Care, Prenatal Alcohol Use, and Intimate Partner Violence	\$0	\$0	\$100,000			
47	2017-05-06-47	HE/University of Delaware	Evidence of Cryptic Replication in Dolutegravir Intensification Data	\$100,002	\$0	\$0			

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
Amended May Agenda**

June 2, 2017

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Funding</i>			<i>Positions</i>		
				<i>Federal</i>	<i>State</i>	<i>Other</i>	<i>Federal</i>	<i>State</i>	<i>Other</i>
48	2017-05-06-48	HE/University of Delaware	Removing Obstacles to Genetic Host Resistance in the U.S. Beekeeping Industry	\$0	\$0	\$102,534			
49	2017-05-06-49	HE/University of Delaware	N-SPACE Sensors	\$0	\$0	\$5,000			
50	2017-05-06-50	HE/Delaware State University	Impact of TDP-43 expression on pathophysiology and memory in APP/PS1 mice	\$175,000	\$0	\$0			
51	2017-05-06-51	HE/Delaware State University	Delaware English Language Learner Educator Professional Development Project	\$2,740,801	\$0	\$0			
52	2017-05-06-52	HE/Delaware State University	4D scanner for image guided interventions	\$104,983	\$0	\$0			
53	2017-05-06-53	HE/Delaware State University	Delaware Extension IPM Implementation Program	\$66,327	\$0	\$0			
54	2015-08-02-21 Amendment	HE/Delaware Technical and Community College	Collaborative Approach to Recruit	\$50,000	\$0	\$0			

**New Business requires the attendance of the Contact Person.*

**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	3055	Department of Health and Social Services, Substance Abuse and Mental Health, Substance Abuse	State Targeted Response to the Opioid Crisis Grant	\$2,000,000	\$35,000	\$0	0.00	0.00	0.00
2	3147	Department of Health and Social Services, Public Health, Community Health	Delaware Perinatal Cooperative	\$182,500	\$0	\$0	0.00	0.00	0.00
3	3107	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Millsboro TCE AOC #3	\$22,000	\$0	\$0	0.20	0.00	0.00
4	3141	Department of Agriculture, Agricultural Lands Preservation Foundation	Agricultural Conservation Easement Program	\$1,318,287	\$1,318,287	\$0	0.00	0.00	0.00
Continued									
5	3127	Judicial, Family Court	Court Improvement Program Basic Grant	\$100,880	\$34,065	\$0	0.00	0.16	0.00
6	3139	Executive, Criminal Justice, Statistical Analysis Center	State Justice Statistics Program for Statistical Analysis Centers	\$60,000	\$0	\$0	0.90	0.00	0.00
7	2017-05-01-01	Executive, Delaware State Housing Authority	Community Development Block Grant	\$2,000,000	\$0	\$0	1.00	0.00	0.00
8	2017-05-01-02	Executive, Delaware State Housing Authority	HOME Investment Partnerships Program	\$3,000,000	\$0	\$0	0.00	0.00	0.00
9	2017-05-01-03	Executive, Delaware State Housing Authority	Housing Opportunities for Persons with AIDS	\$209,515	\$0	\$0	0.00	0.00	0.00
10	2017-05-01-04	Executive, Delaware State Housing Authority	Emergency Solutions Grant Program	\$192,991	\$0	\$0	0.00	0.00	0.00
11	2017-05-01-05	Executive, Delaware State Housing Authority	Family Unification Program	\$310,990	\$0	\$0	0.00	0.00	0.00
12	2017-05-01-06	Executive, Delaware State Housing Authority	Public Housing Capital Program - Moving to Work	\$722,948	\$0	\$0	1.00	0.00	0.00
13	2017-05-01-07	Executive, Delaware State Housing Authority	Housing Choice Vouchers Program - Moving to Work	\$6,793,175	\$0	\$0	1.00	0.00	0.00
14	2017-05-01-08	Executive, Delaware State Housing Authority	Public Housing Operations Program - Moving to Work	\$3,603,742	\$0	\$276,563	0.00	0.00	0.00
15	2017-05-01-09	Executive, Delaware State Housing Authority	Performance Based Contract Administrator Program	\$38,548,104	\$0	\$0	1.00	0.00	0.00
16	3124	Department of State, Arts, Office of the Director	Promotion of the Arts - Partnership Agreement	\$690,000	\$3,102,662	\$75,000	3.00	3.30	0.00
17	3092	Department of Health and Social Services, Public Health, Community Health	Public Health Emergency Preparedness	\$4,324,673	\$433,740	\$0	24.00	0.00	0.00

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
18	3094	Department of Health and Social Services, Public Health, Community Health	Hospital Preparedness Program	\$1,049,193	\$104,919	\$0	2.75	0.00	0.00
19	3131	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Senior Community Service Employment Program	\$1,848,931	\$0	\$205,739	0.75	0.00	0.00
20	3146	Department of Health and Social Services, Public Health, Community Health	Promoting Adolescent Health Through School-Based Surveillance: Youth Risk Behavior Survey/School Health Profiles	\$80,000	\$0	\$0	0.00	0.00	0.00
21	3111	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	3114	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	\$60,570	\$20,191	\$0	0.00	0.00	0.00
23	3115	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV, Part E - Education and Training Vouchers Program	\$67,909	\$16,978	\$0	0.00	0.00	0.00
24	3116	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B Subpart 1 - Child Welfare Services	\$794,551	\$264,851	\$0	3.00	0.00	0.00
25	3118	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Title IV-B, Subpart 2 - Promoting Safe and Stable Families	\$961,756	\$320,585	\$0	2.00	0.00	0.00
26	3120	Department of Services for Children, Youth and Their Families, Family Services, Intake/Investigation	Child Abuse Prevention and Treatment Act	\$111,789	\$0	\$0	1.00	0.00	0.00
27	3104	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware's Rare Plant Conservation Program	\$9,000	\$3,000	\$0	0.00	0.02	0.00
28	3119	Department of Natural Resources and Environmental Control, Office of the Secretary, Energy and Climate	State Energy Program	\$269,720	\$59,251	\$0	2.92	0.50	0.00
29	3121	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	National Bobwhite Conservation Initiative	\$15,045	\$5,349	\$0	0.00	0.00	0.00
30	3133	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Atlantic Flyway Cooperative Waterfowl Banding	\$26,459	\$8,820	\$0	0.00	0.00	0.00
31	1820 Amendment	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Halby Chemical Cooperative Agreement	\$4,000	\$0	\$0	0.04	0.00	0.00
32	2017-04-26-01	Safety and Homeland Security, State Police, Executive	Asset Forfeiture/Justice	\$5,000,000	\$0	\$0	0.00	0.00	0.00
33	2017-04-26-02	Safety and Homeland Security, State Police, Executive	Asset Forfeiture/Treasury	\$1,500,000	\$0	\$0	0.00	0.00	0.00
34	3083	Department of Labor, Employment and Training, Employment and Training Services	Wagner-Peyser Act, Employment Services	\$1,894,205	\$0	\$0	19.45	0.00	0.00
35	3084	Department of Labor, Employment and Training, Employment and Training Services	Workforce Investment Act - Dislocated Worker	\$2,113,718	\$0	\$0	12.30	0.00	0.00
36	3085	Department of Labor, Employment and Training, Employment and Training Services	Workforce Investment Act - Adult	\$2,028,005	\$0	\$0	10.50	0.00	0.00
37	3086	Department of Labor, Employment and Training, Employment and Training Services	Workforce Investment Act-Youth	\$2,135,240	\$0	\$0	3.85	0.00	0.00

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
38	3090	Department of Agriculture, Pesticides	Performance Partnership Grant	\$306,700	\$67,729	\$0	2.00	0.90	0.00
39	3135	Department of Agriculture, Plant Industries	Forest Pest Outreach	\$24,393	\$0	\$0	0.00	0.00	0.00
40	3134	Fire Prevention Commission, State Fire School	Firefighters Assistance Grant	\$439,091	\$45,358	\$0	0.00	0.00	0.00
41	2017-04-21-01	Department of Education, Caesar Rodney School District	Dover Air Force Base School Budget	\$9,033,430	\$0	\$0	0.00	0.00	0.00
42	3109	HE/Delaware Technical and Community College	Federal Work Study	\$298,408	\$115,119	\$0			
43	3112	HE/Delaware Technical and Community College	Federal Supplemental Educational Opportunity Grant	\$312,855	\$99,071	\$0			

Higher Education

1	2017-06-03-01	HE/University of Delaware	Conduct Coarse-Grained Molecular Simulation Studies of Solutions of Semi-Flexible Polymer Chains with Specific H-Bonding Capability	\$0	\$0	\$93,785			
2	2017-06-03-02	HE/University of Delaware	University of Delaware EIP - Extension Implementation - 2017- 2020	\$548,307	\$0	\$0			
3	2017-06-03-03	HE/University of Delaware	Aligning Treatments with Contributors to Chronic Low Back Pain in Older Adults: A Pragmatic Trial	\$0	\$0	\$162,199			
4	2017-06-03-04	HE/University of Delaware	Center for Neutron Science at the University of Delaware: Solving Grand Challenge Problems with Neutron Scattering	\$6,859,037	\$0	\$0			
5	2017-06-03-05	HE/University of Delaware	Development of a Molecular Assay to Assess IPM for Rhizoctonia Solani on Economically Important Legume Crops in Maryland and Delaware	\$0	\$0	\$66,094			
6	2017-06-03-06	HE/University of Delaware	Characterizing the High-Energy Properties of a Highly Magnetized Star	\$5,795	\$0	\$0			
7	2017-06-03-07	HE/University of Delaware	Externalizing Behavior as a Moderator of Outcomes in TF-CBT Implementation	\$0	\$0	\$44,642			
8	2017-06-03-08	HE/University of Delaware	The Interactive Effects of Family Social Support on Adolescents' Early Socioeconomic Adversity and Physical and Psychological Health Outcomes Over Time	\$0	\$0	\$44,643			

**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
9	2017-06-03-09	HE/University of Delaware	Regional Center Plant Diagnostic Facility - National Plant Diagnostic Network for the Food and Agriculture Defense Initiative	\$0	\$0	\$18,154			
10	2017-06-03-10	HE/University of Delaware	Supplement for CAREER: Elucidating Molecular Level Interplay Between Catalysts and Electrolytes in Electrochemical Reduction of CO2	\$16,512	\$0	\$0			
11	2017-06-03-11	HE/University of Delaware	UNOLS East Coast Van Pool Supplement for CY2017	\$477,617	\$0	\$0			
12	2017-06-03-12	HE/University of Delaware	Leveraging 3-D Observations of Sea Ice Material Behavior to Improve Navigation in and Around the US McMurdo Base in Antarctica	\$239,965	\$0	\$0			
13	2017-06-03-13	HE/University of Delaware	System Optimization Opportunities Due to Vehicle Connectivity and Automation	\$142,285	\$0	\$0			
14	2017-06-03-14	HE/University of Delaware	EPA P3 Phase II Optimizing Apparel Product Development to Reduce Solid Waste in Apparel	\$47,470	\$0	\$0			
15	2017-06-03-15	HE/University of Delaware	ExxonMobil Build 2017	\$0	\$0	\$93,927			
16	2017-06-03-16	HE/University of Delaware	Cost Effective Applications of Biochar for Reducing Stormwater Volume and Nutrients	\$0	\$26,363	\$334,560			
17	2017-06-03-17	HE/University of Delaware	Fire Door Inspection and Training Grant	\$248,050	\$0	\$0			
18	2017-06-03-18	HE/University of Delaware	University of Delaware to Visit Cultural Institutions in Cuba	\$30,000	\$0	\$0			
19	2017-06-03-19	HE/University of Delaware	Conducting a Patient Survey in Delaware	\$0	\$0	\$24,733			
20	2017-06-03-20	HE/University of Delaware	Fostering Local Strategic Outreach: Wind Energy Challenges and Opportunities in Sussex County	\$0	\$0	\$69,513			
21	2017-06-03-21	HE/University of Delaware	FES to Improve Gait in CP: A Renewal Resubmission Revision	\$0	\$0	\$1,458,127			
22	2017-06-03-22	HE/University of Delaware	A Whole Body Approach to Reduce the Energy Cost of Walking Following Stroke	\$0	\$0	\$88,702			

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
23	2017-06-03-23	HE/University of Delaware	Developing an Adaptive Intervention, Based Upon Expert Committee Recommendations, For Treating Childhood Overweight and Obesity	\$0	\$0	\$80,262			
24	2017-06-03-24	HE/University of Delaware	H-60B Tail Landing Gear Drop Test	\$8,741	\$0	\$0			
25	2017-06-03-25	HE/University of Delaware	Food Sovereignty Knowledge Exchange: Educational Tourism in Basque Country & Cuba	\$0	\$0	\$12,300			
26	2017-06-03-26	HE/University of Delaware	NSF Includes DDLP: Networking Diversity Programs to Secure the STEM Pipeline from High School to the Professoriate in Soft Matter	\$0	\$0	\$50,264			
27	2017-06-03-27	HE/University of Delaware	The Collection and Coding and Nutritional Survey Data for the Healthy Aging in Neighborhoods of Diversity Across the Life Span (HANDLS) Study	\$95,160	\$0	\$0			
28	2017-06-03-28	HE/University of Delaware	Discovery of Chemical Probes and Therapeutic Leads	\$1,399,221	\$0	\$0			
29	2017-06-03-29	HE/University of Delaware	Engineering Radio tolerant C. Elegans by Expression of Transgenes From the Tardigrade and Deinococcus Genomes	\$765,850	\$0	\$0			
30	2017-06-03-30	HE/University of Delaware	NIH Delaware-Clinical Translational Research Model	\$3,506,808	\$0	\$0			
31	2017-06-03-31	HE/University of Delaware	Adaptive and Maladaptive Neural Network Responses to Inhibitory Challenges	\$1,250,000	\$0	\$0			
32	2017-06-03-32	HE/University of Delaware	Establishing a Phage and New Omics Capacity for the Mitigation of AMR	\$0	\$0	\$109,033			
33	2017-06-03-33	HE/University of Delaware	Secondary Analysis of RCT Data on Infant Formula and Nutritional Programming	\$0	\$0	\$39,696			
34	2017-06-03-34	HE/University of Delaware	Hippocampal-Thalamo-Prefrontal Circuitry Damage in an Animal Model of FASD	\$275,000	\$0	\$0			
35	2017-06-03-35	HE/University of Delaware	M1 (73) Back-passage Safety Study	\$0	\$0	\$28,475			
36	2017-06-03-36	HE/University of Delaware	Determination of a New Litter Amendment on Ammonia Control in Broiler Houses under Winter Conditions	\$0	\$0	\$14,708			

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
37	2017-06-03-37	HE/University of Delaware	Production of ABR Products	\$0	\$0	\$21,316			
38	2017-06-03-38	HE/University of Delaware	Delaware Innovation Space, Inc. at the Experimental Station	\$3,000,000	\$3,000,000	\$0			
39	2017-06-03-39	HE/University of Delaware	Synchronous Rendezvous for Heterogeneous Robotic Sensor Networks in Geophysical Flows	\$0	\$0	\$170,397			
40	2017-06-03-40	HE/University of Delaware	Linking Predator Behavior and Resource Distributions: Penguins-Directed Exploration of an Ecological Hotspot	\$303,391	\$0	\$0			
41	2017-06-03-41	HE/University of Delaware	Improving Simulation of Antarctic Meteorology Through Convergence of Observations and Modeling	\$340,108	\$0	\$0			
42	2017-06-03-42	HE/University of Delaware	Collaborative Research: Magma To Microbes - Interdisciplinary Earth System Science from Mantle to Plume at Mt. Erebus	\$373,008	\$0	\$0			
43	2017-06-03-43	HE/University of Delaware	Collaborative Research: Physical Mechanisms Driving Food Web Focusing in Antarctic Biological Hotspots	\$327,182	\$0	\$0			
44	2017-06-03-44	HE/University of Delaware	Evaluation of Commercial Wheat and Barley Cultivars for FHB Reaction in DE/MD	\$0	\$0	\$3,214			
45	2017-06-03-45	HE/University of Delaware	Integrated Management of FHB and DON in Soft Red Winter Wheat in Delaware 2016/17	\$0	\$0	\$15,420			
46	2017-06-03-46	HE/University of Delaware	Testing the Effect of ICT Intervention in Middle School Students in Mathematics and Science in Low-Resource Settings	\$0	\$0	\$272,649			
47	2017-06-03-47	HE/University of Delaware	Collaborative Research: Using Surface Information for Quantitative Modeling of the Subsurface	\$188,049	\$0	\$0			
48	2017-06-03-48	HE/University of Delaware	Individual Breastfeeding Support with Contingent Incentives for Low-Income Mothers	\$2,014,364	\$0	\$0			
49	2017-06-03-49	HE/University of Delaware	Mindfulness-Based Social and Emotional Learning (MBSEL) For Young children, Their Teachers and Their Families	\$0	\$0	\$49,999			
50	2017-06-03-50	HE/University of Delaware	Delaware National Guard DEARNG Internship	\$7,776	\$0	\$0			

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
51	2017-06-03-51	HE/University of Delaware	Population Demography of Bobcats in Western Maryland	\$0	\$0	\$185,262			
52	2017-06-03-52	HE/University of Delaware	Catalysis Center for Energy Innovation	\$128,205	\$0	\$0			
53	2017-06-03-53	HE/University of Delaware	Identifying Nearby, Warm Debris Disks for Resolved Imaging with JWST: Updated SED Models for Bright Stars with Saturated 2MASS Photometry	\$51,603	\$0	\$0			
54	2017-06-03-54	HE/University of Delaware	Movement Pattern Biofeedback Training After Total Knee Arthroplasty	\$0	\$0	\$214,992			
55	2017-06-03-55	HE/University of Delaware	Advanced Technology Development of a Heavy Oil Distillation Process	\$0	\$0	\$3,497			
56	2017-06-03-56	HE/University of Delaware	Department of Health and Human Services New Directions Early Head Start Year 21	\$2,386,815	\$0	\$0			
57	2017-06-03-57	HE/University of Delaware	Combating Rose Rosette Disease: Short and Long Term Approaches	\$0	\$0	\$17,779			
58	2017-06-03-58	HE/University of Delaware	Transition Metal-Catalyzed Electrophilic Methods for Preparation of Nitrogen-Containing Molecules	\$1,250,000	\$0	\$0			
59	2017-06-03-59	HE/University of Delaware	User-Driven Treadmill Challenges to Improve Post-Stroke Propulsion	\$1,400,932	\$0	\$0			
60	2017-06-03-60	HE/University of Delaware	Christiana Care Health System Pocket MBA Executive Education Program 2017	\$0	\$0	\$63,677			
61	2017-06-03-61	HE/University of Delaware	Compound Semiconductor Devices with High Linearity	\$647,793	\$0	\$0			
62	2017-06-03-62	HE/University of Delaware	U.S. East Coast: Maritime Assessments and Improvements to Source and Inundation Modeling Procedures	\$88,738	\$0	\$0			
63	2017-06-03-63	HE/University of Delaware	TWC: Small: Collaborative: Reputation-Escalation-as-a-Service: Analyses and Defenses	\$16,000	\$0	\$0			
64	2017-06-03-64	HE/University of Delaware	NIH Scanning Electron Microscope SIG Caplan	\$600,000	\$0	\$0			

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
65	2017-06-03-65	HE/University of Delaware	A Next Generation Method for Assessing Park Usage and Environmental Context	\$275,000	\$0	\$0			
66	2017-06-03-66	HE/University of Delaware	High Sensitivity NMR Spectrometer with Cryoprobe	\$1,480,204	\$0	\$0			
67	2017-06-03-67	HE/University of Delaware	Vaccine Efficacy Comparison of HVT-based Experimental Vaccine Products: Study I, Study II and Study III (HVT products)	\$0	\$0	\$92,829			
68	2017-06-03-68	HE/University of Delaware	Kumba Dept of Ed Professional Development for Arts Educators Overby	\$0	\$0	\$267,053			
69	2017-06-03-69	HE/University of Delaware	Enhancing Undergraduate Research and Teaching in Soil Sciences by Providing Opportunities to Underrepresented Students in FANH Sciences	\$106,831	\$0	\$0			
70	2017-06-03-70	HE/University of Delaware	Fabrication of Modules Using Organic Hybrid Solar Cells	\$0	\$0	\$174,930			
71	2017-06-03-71	HE/University of Delaware	Treatment of Stress-Related Psychopathology: Targeting Maladaptive and Adaptive Event Processing	\$0	\$0	\$687,265			
72	2017-06-03-72	HE/University of Delaware	Mitochondrial Contributions to Hyper thermic Muscle Dysfunction	\$0	\$0	\$583,020			
73	2017-06-03-73	HE/University of Delaware	Examining Associations Between Attributes of Early Care and Education (ECE) and Child and Adolescent Health in a High-Risk Sample: Direct and Indirect Effects of ECE on Health	\$750,000	\$0	\$0			
74	2017-06-03-74	HE/University of Delaware	Antecedents and Consequences of Fear of Cancer Recurrence: A Longitudinal Study of Breast Cancer Patients and Primary Support Partners	\$2,650,290	\$0	\$0			
75	2017-06-03-75	HE/University of Delaware	Spencer RPP MAY	\$0	\$0	\$349,001			
76	2017-06-03-76	HE/University of Delaware	Florida International Institute/NIH Multisensory Data Network	\$0	\$0	\$10,000			
77	2017-06-03-77	HE/University of Delaware	Amendment to Cooperative Agreement be Established with USDA, APHIS, for the UD - Customized Educational Solution for Chinese Participants for the 2017 Emergency Management of Poultry Disease Outbreaks (EMPDO) Program	\$40,087	\$0	\$0			
78	2017-06-03-78	HE/University of Delaware	Study on the Frequency Dependence of the Sound Speed and Attenuation in Muddy Sediments in Shallow Water	\$124,750	\$0	\$0			

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
79	2017-06-03-79	HE/University of Delaware	Fluctuations of Broadband Acoustic Signals in Shallow Water	\$477,130	\$0	\$0			
80	2017-06-03-80	HE/University of Delaware	Mechanism of a Mimetic Peptide CK2.1 on Chondrogenesis and Cartilage Formation	\$1,250,000	\$0	\$0			
81	2017-06-03-81	HE/University of Delaware	Determinants of Concussion Recovery and Predictors of Subsequent Musculoskeletal Injuries.	\$2,850,174	\$0	\$0			
82	2017-06-03-82	HE/University of Delaware	Harnessing Alkyl Amines as Electrophiles for Nickel-Catalyzed Cross Couplings via C-N Bond Activation	\$1,250,000	\$0	\$0			
83	2017-06-03-83	HE/University of Delaware	Joint Activity: a Critical Modulator of Cartilage Function and Health	\$1,271,533	\$0	\$0			
84	2017-06-03-84	HE/University of Delaware	Neurobiological Mechanisms via Which Traumatic Stress Leads to Nicotine Dependence	\$346,071	\$0	\$0			
85	2017-06-03-85	HE/University of Delaware	Mechanical Integrity of Memory Systems in Mild Cognitive Impairment	\$1,628,967	\$0	\$0			
86	2017-06-03-86	HE/University of Delaware	Enabling Spatial Cognition for Autonomous Vehicles	\$332,691	\$0	\$0			
87	2017-06-03-87	HE/University of Delaware	AFOSR YIP 2017 Law	\$298,096	\$0	\$0			
88	2017-06-03-88	HE/University of Delaware	Enhancing the Chicken Genome Functional Elements Annotation and its Robustness for Genomic Predictions on Economically Important Traits	\$0	\$0	\$52,976			
89	2017-06-03-89	HE/University of Delaware	High-Resolution, Anisotropic MR Elastography of the Brain	\$3,064,652	\$0	\$0			
90	2017-06-03-90	HE/University of Delaware	Attachment and Bio behavioral Catch-up with Child Protective Services-Involved Parents: Testing Effectiveness in 2 Community Sites	\$2,414,557	\$0	\$0			
91	2017-06-03-91	HE/University of Delaware	Large Scale 2D Material - Active Silicon Photonics	\$329,637	\$0	\$0			
92	2017-06-03-92	HE/University of Delaware	Enhancement and Development of a Stakeholder-Focused Production Environment for the Composite of Post-Event Well-being (COPEWELL) - A Dynamic Model of Community Functioning and Resilience	\$0	\$0	\$330,278			

*New Business requires the attendance of the Contact Person.

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

**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
93	2017-06-03-93	HE/Delaware State University	Integrating International Agribusiness and cultural experiences in student training: A study abroad program to Ghana, West Africa	\$147,999	\$0	\$0			
94	2017-06-03-94	HE/Delaware State University	Sensors and Infra-red Photodetectors based on stacked layers of two dimensional materials	\$449,767	\$0	\$0			
95	2017-06-03-95	HE/Delaware State University	NSF INCLUDES DDLP: Expanding Diversity in Energy and Environmental Sustainability (EDEES)	\$298,593	\$0	\$0			
96	2017-06-03-96	HE/Delaware State University	The BIMBY effect (Bivalves In My Backyard): Impact of oyster aquaculture on biodiversity of coastal ecosystems	\$205,560	\$0	\$0			
97	2017-06-03-97	HE/Delaware State University	Development of genome wide association markers for heat stress tolerance in blueberries	\$500,000	\$0	\$0			
98	2017-06-03-98	HE/Delaware State University	Capacity building through student experiential learning and faculty preparation in tropical agriculture	\$300,000	\$0	\$0			
99	2017-06-03-99	HE/Delaware State University	Land Usage and Nutrient Influences on Harmful Algal Blooms (HABs) Development in Maryland and Delaware Coastal Bays	\$214,020	\$0	\$0			
100	2017-06-04-01	HE/Delaware State University	Establish a PHAGE and new omics capacity for the mitigation of AMR bacteria	\$585,507	\$0	\$0			
101	2017-06-04-02	HE/Delaware State University	Nanoparticle-Membrane Interactions for Targeted Cancer Recognition and Treatment	\$328,500	\$0	\$0			
102	2017-06-04-03	HE/Delaware State University	Transgenic Accumulation and In Situ Activation of Lignolytic Peroxidases for sustainable Production of Biofuels	\$301,581	\$0	\$0			
103	2017-06-04-04	HE/Delaware State University	Evaluating the landscape influence of agriculture on delivery of ecosystem services in wetlands	\$293,009	\$0	\$0			
104	2017-06-04-05	HE/Delaware State University	Enhancing Collaborative Opportunities to Facilitate Research Based Learning in Molecular Genetics & Genomics for Undergraduate Students	\$149,176	\$0	\$0			
105	2017-06-04-06	HE/Delaware State University	Sabbatical to Enhance PD's Expertise on Herbal Plant Research and Food Security	\$149,962	\$0	\$0			
106	2017-06-04-07	HE/Delaware State University	Provide Experiential Learning Opportunity and Financial Support to Facilitate the Transfer from Community College to DSU's CPD Program	\$149,878	\$0	\$0			

**New Business requires the attendance of the Contact Person.*

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**Delaware State Clearinghouse Committee
June Agenda**

June 23, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
107	2017-06-04-08	HE/Delaware State University	Cover Crop and Soil Health Training for Agriculture service providers in Delaware and the Eastern Shore of Maryland	\$83,332	\$0	\$0			
108	2017-06-04-09	HE/Delaware State University	Rapid Detection of Salmonella Using Micro-Fluidic Devices along with Raman Spectroscopy	\$299,924	\$0	\$0			
109	2017-06-04-10	HE/Delaware State University	Improve Competencies for Minority and Underserved Clientele to Develop Viable and Sustainable Agricultural Enterprises in Urban Areas in Delaware and Beyond	\$249,133	\$0	\$0			
110	2017-06-04-11	HE/Delaware State University	Transgenerational adaptation of plants to acidic pH and toxic metals in soil	\$157,144	\$0	\$0			
111	2017-06-04-12	HE/Delaware State University	Enhancing Diversity Among Food Animal Veterinarians	\$100,000	\$0	\$0			
112	2017-06-04-13	HE/Delaware State University	Enhancing Parasitology Research and Student Learning on Small Ruminant Health and Production through Innovative Molecular Techniques	\$299,954	\$0	\$0			
113	2017-06-04-14	HE/Delaware State University	Developing a Model 1890 Land-Grant University Curriculum and Field-Based Training Matrix on Soil Health and Farm Sustainability	\$599,979	\$0	\$0			
114	2017-06-04-15	HE/Delaware State University	Development of Epigenomic and Transcriptomic resources for drought tolerance in common bean	\$299,928	\$0	\$0			
115	2017-06-04-16	HE/Delaware State University	Novel Water Treatment Technologies for Use in Land-Based Aquaculture	\$299,935	\$0	\$0			
116	2017-06-04-17	HE/Delaware State University	Assessment of New Technologies for Oyster Depuration	\$296,729	\$0	\$0			
117	2017-06-04-18	HE/Delaware State University	Building Capacity for Small Ruminant Health Research and Extension in Delmarva Peninsula Through Disease Epidemiology and Education Outreach	\$70,000	\$0	\$0			
118	2017-06-04-19	HE/Delaware State University	Conservation and Recovery of Atlantic Sturgeons in the Delaware River Estuary	\$93,009	\$0	\$0			
119	3117	HE/Delaware Technical and Community College	Federal Pell Grant	\$20,592,365	\$0	\$0			
120	3132	HE/Delaware Technical and Community College	Federal Direct Student Loan Program	\$10,428,015	\$0	\$0			

**New Business requires the attendance of the Contact Person.*

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

**Delaware State Clearinghouse Committee
Amended July Agenda**

July 25, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	3188	Department of State, Historical and Cultural Affairs, Office of the Director	First State National Park Cooperative Agreement	\$190,000	\$71,402	\$0	0.00	0.00	0.00
2	3248	Department of State, Historical and Cultural Affairs, Office of the Director	Underrepresented Communities Grant	\$50,000	\$19,012	\$0	0.00	0.00	0.00
3	3158	Department of Health and Social Services, Public Health, Community Health	Community Living	\$786,318	\$236,358	\$0	0.30	0.00	0.00
4	3162	Department of Health and Social Services, Public Health, Community Health	Local Food Promotion Program	\$100,000	\$7,665	\$24,200	0.00	0.10	0.00
Deferred to future Clearinghouse meeting.									
5	3164	Department of Health and Social Services, State Service Centers	AmeriCorps Competitive Funding - Ministry of Caring	\$180,641	\$0	\$180,649	0.00	0.00	0.00
6	3166	Department of Health and Social Services, State Service Centers	AmeriCorps Competitive - Summer Learning Collaborative	\$118,927	\$0	\$155,401	0.00	0.00	0.00
7	3168	Department of Health and Social Services, State Service Centers	AmeriCorps Competitive Habitat for Humanity	\$294,068	\$0	\$290,595	0.00	0.00	0.00
8	3163	Delaware National Guard	Army National Guard Combined Support Maintenance Shop - New Castle Military Construction (MILCON) Project	\$36,000,000	\$700,000	\$0	0.00	0.00	0.00
9	2017-06-21-02	Department of Education	Children Services Cost Recovery Project	\$0	\$0	\$0	0.00	1.00	0.00
Continued									
10	3150	Legal, Office of Attorney General	Victims Compensation Assistance	\$625,000	\$0	\$0	0.00	0.00	0.00
11	3110	Department of Health and Social Services, Social Services	Refugee Social Service Case Program	\$75,000	\$0	\$0	0.00	0.00	0.00
12	3113	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program	\$14,139,949	\$13,911,987	\$0	68.10	68.10	0.00
13	3125	Department of Health and Social Services, Social Services	Child Care Development Fund - Discretionary	\$7,417,401	\$0	\$0	9.07	0.00	0.00
14	3126	Department of Health and Social Services, Social Services	Social Services Block Grant	\$4,662,202	\$0	\$0	14.55	0.00	0.00
15	3129	Department of Health and Social Services, Social Services	Refugee Cash and Medical Assistance Program	\$75,000	\$0	\$0	1.41	0.00	0.00
16	3130	Department of Health and Social Services, Social Services	Temporary Assistance for Needy Families	\$32,290,981	\$29,028,092	\$0	127.39	0.00	0.00
17	3137	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Employment and Training	\$362,014	\$0	\$0	1.23	0.00	0.00

*New Business requires the attendance of the Contact Person.

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
18	3140	Department of Health and Social Services, Social Services	Low-Income Home Energy Assistance Program	\$10,000,000	\$0	\$0	2.27	0.00	0.00
19	3159	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
20	3160	Department of Health and Social Services, Medicaid and Medical Assistance	Health Information Technology Initiatives - Administrative Implementation	\$1,386,586	\$154,202	\$0	1.80	0.20	0.00
21	3165	Department of Health and Social Services, State Service Centers	AmeriCorps State Competitive Fixed	\$18,000	\$0	\$0	0.00	0.00	0.00
22	3167	Department of Health and Social Services, Public Health, Community Health	Sudden Death in the Young Registry	\$55,003	\$0	\$0	0.00	0.00	0.00
23	3170	Department of Health and Social Services, State Service Centers	AmeriCorps-State Competitive	\$187,927	\$0	\$385,438	0.00	0.00	0.00
24	3171	Department of Health and Social Services, Public Health, Community Health	Grants to States to Support Oral Health Workforce	\$481,826	\$196,285	\$0	0.00	1.18	0.00
25	3176	Department of Health and Social Services, Public Health, Community Health	Delaware Prescription Drug Overdose Prevention	\$864,788	\$0	\$0	0.00	0.00	0.00
26	3177	Department of Health and Social Services, Medicaid and Medical Assistance	Children's Health Insurance Program	\$32,078,377	\$8,609,317	\$0	0.83	0.84	0.00
27	3182	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Laboratory Capacity for Infectious Diseases	\$2,661,651	\$0	\$0	5.75	0.00	0.00
28	3184	Department of Health and Social Services, State Service Centers	Training and Technical Assistance Commission Investment	\$130,542	\$0	\$0	0.00	0.00	0.00
29	3187	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Laboratory Capacity for Infectious Diseases - Affordable Care Act	\$396,784	\$0	\$0	1.00	0.00	0.00
30	3189	Department of Health and Social Services, Public Health, Community Health	Childhood Lead Poisoning Prevention Program	\$102,113	\$0	\$0	0.50	0.00	0.00
31	3153	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
32	3156	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
33	3178	Department of Services for Children, Youth and Their Families, Prevention and Behavioral Health Services, Periodic Treatment	Community Outreach, Referral and Early Intervention	\$1,000,000	\$0	\$0	0.00	0.00	0.00
34	3148	Department of Natural Resources and Environmental Control, Office of the Secretary, Coastal Programs	Delaware Coastal Management Program Implementation Grant	\$1,397,000	\$1,303,000	\$10,000	9.20	8.25	0.00
35	3154	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	White-nose Syndrome Grants to States	\$16,098	\$0	\$0	0.04	0.00	0.00
36	3157	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	\$19,924	\$10,728	\$0	0.00	0.01	0.00
37	2941	Department of Labor, Employment and Training, Employment and Training	Trade Adjustment Assistance	\$423,523	\$0	\$0	1.50	0.00	0.00

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
38	3151	Department of Education	State Personnel Development Grant	\$2,940,000	\$0	\$0	0.40	0.00	0.00
Higher Education									
1	2017-07-01-17	HE/University of Delaware	An Inexpensive Modular Throwable Robot for Inspection and Characterization	\$45,000	\$0	\$0			
2	2017-07-01-18	HE/University of Delaware	The Effect of Calcitriol on Inflammatory Breast Cancer	\$1,250,000	\$0	\$0			
3	2017-07-01-19	HE/University of Delaware	InAs Fin Tunneling Field Effect Transistors on Silicon Substrate for Low Power and High Speed Applications	\$235,922	\$0	\$0			
4	2017-07-01-20	HE/University of Delaware	Acrow Orthotropic Bridge Deck Testing Program	\$0	\$0	\$115,913			
5	2017-07-01-21	HE/University of Delaware	Enhancing the Interpretability of PROMIS Measures for Adults with Language Disorders	\$275,000	\$0	\$0			
6	2017-07-01-22	HE/University of Delaware	Development of an Innovative Mass Vaccine Administration Method at Poultry Hatcheries	\$361,630	\$0	\$0			
7	2017-07-01-23	HE/University of Delaware	Recovery of Bio-Based Raw Materials from Manure and Their Use as Feedstocks for Bio-Products Generation	\$0	\$0	\$72,561			
8	2017-07-01-24	HE/University of Delaware	iManage TBI: Development and Efficacy Testing of a Symptom Monitoring and Self Management System for Individuals with TBI	\$5,149,907	\$0	\$0			
9	2017-07-01-25	HE/University of Delaware	Effects of Guided Exercise on Independence of Adults with Intellectual Disability	\$275,000	\$0	\$0			
10	2017-07-01-26	HE/University of Delaware	NASA SBIR/STTR 2016 Shear Thickening Fluid (STF)-Enhanced Textiles for Durable, Cut- and Puncture-resistant Environmental Protective Garment (EPG) Materials	\$0	\$0	\$177,520			
11	2017-07-01-27	HE/University of Delaware	Delaware Jockeys Health and Welfare Fund/ DE Department of Agriculture 17-18	\$0	\$0	\$20,340			
12	2017-07-01-28	HE/University of Delaware	Assist in Rearing Wood-Boring Insects Such as Emerald Ash Borers and Asian Longhorned Borers and Their Natural Enemies	\$18,182	\$0	\$0			
13	2017-07-01-29	HE/University of Delaware	Acquisition of Goods and Services: Laboratory Support for the Brown Marmorated Stink Bug	\$22,727	\$0	\$0			

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

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
14	2017-07-01-30	HE/University of Delaware	Improving Hay and Silage Nutritive Value and Production Efficiency by Using Technical Lignins as Additives to Prevent Spoilage Losses	\$0	\$0	\$2,814			
15	2017-07-01-31	HE/University of Delaware	NSF REU Supp Vickery June17	\$8,000	\$0	\$0			
16	2017-07-01-32	HE/University of Delaware	Highly Efficient and Marker-free Capture of Breast Cancer Cells Using Bulk Carbon Nanomaterials	\$384,615	\$0	\$0			
17	2017-07-01-33	HE/University of Delaware	Microencapsulated Dendrite Inhibitors to Improve Cycle Life of Lithium Metal Batteries	\$0	\$0	\$64,102			
18	2017-07-01-34	HE/University of Delaware	Advancing Consumer Acceptance Of Food Produced With Sustainable, Non-Traditional Irrigation Water: Lessons from the Israeli Experience and Testing the Applicability to the United States	\$399,840	\$0	\$0			
19	2017-07-01-35	HE/University of Delaware	C&A Foundation for Continuation of the Work of Better Buying to Make Transparent, Detailed Data on the Purchasing Practices of Apparel Buying Companies	\$0	\$0	\$475,706			
20	2017-07-01-36	HE/University of Delaware	Identifying Markers of Aggressiveness in Breast Malignancies for Disease Control	\$0	\$0	\$127,874			
21	2017-07-01-37	HE/University of Delaware	East Coast Ocean Acidification Survey (ECOAS) FY18	\$0	\$0	\$265,364			
22	2017-07-01-38	HE/University of Delaware	Out-of-Autoclave Composite Curing Utilizing Nanostructured Heaters	\$0	\$0	\$28,847			
23	2017-07-01-39	HE/University of Delaware	Tapered Block Copolymers for Efficient and Safe Lithium-Ion Batteries	\$0	\$0	\$64,250			
24	2017-07-01-40	HE/University of Delaware	Changes in Host Cell Protein During Extended Cell Culture	\$0	\$0	\$135,000			
25	2017-07-01-41	HE/University of Delaware	AMBIC Reference Cell, Product, Media, Feeds	\$0	\$0	\$90,001			
26	2017-07-01-42	HE/University of Delaware	Resolving Particle Measurements in Fluctuating Space Plasmas	\$399,428	\$0	\$0			
27	2017-07-01-43	HE/University of Delaware	Early Detection of Circulating Tumor Cell Using Carbon Nanomaterials	\$284,148	\$0	\$0			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
28	2017-07-01-44	HE/University of Delaware	The Influence of Capsule Composition on Lens Biology	\$1,250,000	\$0	\$0			
29	2017-07-01-45	HE/University of Delaware	Mechanical Dysregulation of Alveolarization in a Novel Ex Vivo Culture Model	\$275,000	\$0	\$0			
30	2017-07-01-46	HE/University of Delaware	Inverters Using InAs/AlSb/AlGaSb Fin Tunneling Field Effect Transistor for Low Power Applications	\$0	\$0	\$68,187			
31	2017-07-01-47	HE/University of Delaware	Supplement to NSF ICorps Ecosystem Catalyst	\$49,231	\$0	\$0			
32	2017-07-01-48	HE/University of Delaware	Terra Bellion: Ecologies of American Art: An Academic Workshop Proposal	\$0	\$0	\$21,739			
33	2017-07-01-49	HE/University of Delaware	Terra Rujivacharakul: Global Impact of Asian Aesthetics on American Art and Material Culture Symposium and Workshop	\$0	\$0	\$21,739			
34	2017-07-01-50	HE/University of Delaware	Overcoming Medication Non-Compliance Using Injectable Polymeric Drug Formulations	\$0	\$0	\$68,000			
35	2017-07-01-51	HE/University of Delaware	A Multimodal-Imaging Investigation into the Impact of Myelination & Pubertal Testosterone on the Development of Anxiety & Associated Connectome Disturbances	\$1,442,090	\$0	\$0			
36	2017-07-01-52	HE/University of Delaware	Social Mobilization, Securitization, Symbolic Politics: A Computational Model of Quantum and Classical Information, Decision-making, and Influence	\$0	\$0	\$119,360			
37	2017-07-01-53	HE/University of Delaware	Tracking Glyphosate and its Degradation Products in the Environment and Biasing Degradation Towards Less Harmful Products	\$363,043	\$0	\$0			
38	2017-07-01-54	HE/University of Delaware	Statistics of Intermittency, Discontinuities and Dissipation in *Interplanetary Turbulence from Earth Orbit to the Outer Heliosphere	\$319,385	\$0	\$0			
39	2017-07-01-55	HE/University of Delaware	Brain Functional Connectivity and Robot-Enhanced Motor Skill Learning	\$400,000	\$0	\$0			
40	2017-07-01-56	HE/University of Delaware	A Biochar-Centered Holistic Approach To Reducing Ammonia Emission And Improving Litter Fertilizer Quality From Broiler Production	\$410,802	\$0	\$0			
41	2017-07-01-57	HE/University of Delaware	Identifying Markers of Aggressive Breast Cancer to Develop Methods of Disease Control	\$0	\$0	\$96,596			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
42	2017-07-01-58	HE/University of Delaware	Characterizing Bathyarchaeal Metabolism Using SIP and Meta-omics	\$0	\$0	\$246,000			
43	2017-07-01-59	HE/University of Delaware	CCHS CTCR Amendment 36 Extension	\$0	\$0	\$10,888			
44	2017-07-01-60	HE/University of Delaware	Electro-Magnetic Interference Composite Rigid Wall Shelter (EMI CRWS)	\$0	\$0	\$47,008			
45	2017-07-01-61	HE/University of Delaware	Out-of-Autoclave Composite Curing Utilizing Nanostructured Heaters	\$0	\$0	\$47,008			
46	2017-07-01-62	HE/University of Delaware	The Role of Polycomb Repression Complex Proteins in the Transformation of T-Cells by Marek's Disease Virus MDV	\$332,731	\$0	\$0			
47	2017-07-01-63	HE/University of Delaware	Using Imputation in a Multi-Parental Population to Enhance Genetic Resources for Investigating Adaptation Response	\$95,000	\$0	\$0			
48	2017-07-01-64	HE/University of Delaware	Federal and State Technology Partnership Program (FAST) FAST-2016-R-0010A	\$183,486	\$0	\$0			
49	2017-07-01-65	HE/University of Delaware	Radio America Production of Educational Audio and Video Productions for the Center for Economic Education & Entrepreneurship. This is a Supplement to Award D-02-16.	\$0	\$0	\$54,436			
50	2017-07-01-66	HE/University of Delaware	Cu-Catalyzed Azide-Alkyne Reactions for Novel Dental Composite Materials	\$0	\$0	\$93,573			
51	2017-07-01-67	HE/University of Delaware	Optimizing Strength in Fused Deposition Modeling to Make Next Generation Materials	\$379,689	\$0	\$0			
52	2017-07-01-68	HE/University of Delaware	Pain and Motor Learning	\$1,934,145	\$0	\$0			
53	2017-07-01-69	HE/University of Delaware	Closing The Si Cycle In Rice Agroecosystems To Sustainably Control As And Cd Uptake By Rice Grown Under Alternate Wetting And Drying (Awd)	\$424,740	\$0	\$0			
54	2017-07-01-70	HE/University of Delaware	Evaluation of Seeding Rate and Method on Establishment of Cover Crops in Delaware	\$31,249	\$0	\$0			
55	2017-07-01-71	HE/University of Delaware	Realizing a Community's Collective Impact to Improve Fruit and Vegetable Consumption	\$78,125	\$0	\$0			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
56	2017-07-01-72	HE/University of Delaware	Topologies of Adaptive Landscapes in Influenza Virus Emergence	\$0	\$0	\$60,000			
57	2017-07-01-73	HE/University of Delaware	UniProt: A Protein Sequence and Function Resource for Biomedical Science	\$0	\$0	\$747,865			
58	2017-07-01-74	HE/University of Delaware	A Theoretical Model to Predict Drug Release a Priori From Polymer Rods	\$0	\$0	\$64,348			
59	2017-07-01-75	HE/University of Delaware	Department of Health and Human Services New Directions Early Head Start Year 21 COLA	\$23,320	\$0	\$0			
60	2017-07-01-76	HE/University of Delaware	Child Care Access Means Parents in Schools Program (CCAMPIS)	\$100,000	\$0	\$0			
61	2017-07-01-77	HE/University of Delaware	UOP Hydro processing Kinetic Model	\$0	\$0	\$35,662			
62	2017-07-01-78	HE/University of Delaware	Six (6) Watermelon Varieties Known as Joy Ride, Road Trip, Bottle Rocket, SV3105WA (Tailgate), Summer Breeze, and SV0241WA, and Information Related to Such Varieties	\$0	\$0	\$1,801			
63	2017-07-01-79	HE/University of Delaware	Three Cucumber Varieties Known as Vlaspiik, Citadel (SV1096CN), and Peacemaker (SV4828CN) and Information Related to Such Varieties	\$0	\$0	\$3,000			
64	2017-07-01-80	HE/University of Delaware	Predicting Sleep, Smoking and Lung Health Disparities in at-risk Black African American Adults	\$0	\$0	\$486,778			
65	2017-07-01-81	HE/University of Delaware	Collaborative Approach to the Documentation of Endangered Languages in Indonesia	\$182,552	\$0	\$0			
66	2017-07-01-82	HE/University of Delaware	Ammonium Regulation of Primary Production in the Delaware River	\$0	\$0	\$93,260			
67	2017-07-01-83	HE/University of Delaware	12-Month Follow-up to a Physical Therapist Delivered Physical Activity Intervention after Total Knee Replacement	\$0	\$0	\$371,330			
68	2017-07-01-84	HE/University of Delaware	Weight Gain, Physical Activity, and Knee Osteoarthritis After Knee Injury	\$0	\$0	\$125,000			
69	2017-07-01-85	HE/University of Delaware	Combined Treatment of Fluorinated and Nonfluorinated Organics in Aqueous Film Forming Foam with Bioelectrochemical Systems	\$0	\$0	\$47,307			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
70	2017-07-01-86	HE/University of Delaware	Climate Master Volunteers: Supporting the work of Climate Change Adaptation, Mitigation, and Community Resilience at the Local Level	\$5,000	\$0	\$0			
71	2017-07-01-87	HE/University of Delaware	Development and Testing of a Sulfur Incorporated Biochar for an Efficient Supply of Sulfur Macro-Nutrient for Plants	\$0	\$0	\$114,332			
72	2017-07-01-88	HE/University of Delaware	Control of Articular Cartilage Structure and Function by EGFR Signaling	\$0	\$0	\$85,812			
73	2017-07-01-89	HE/University of Delaware	Evolving Space Weather: (exo) Planetary Climate and Habitability	\$218,484	\$0	\$0			
74	2017-07-01-90	HE/University of Delaware	Christiana Health Care Services Research	\$0	\$0	\$157,028			
75	2017-07-01-91	HE/University of Delaware	2017 NOAA Sea Grant Network Visioning	\$20,979	\$0	\$0			
76	2017-07-01-92	HE/University of Delaware	DASL Will Provide Cornerstone Christian Academy (through Elwyn and the School District of Philadelphia) With Continuing Professional Development and Coaching Focusing on Responsive Classroom in Effective Teacher Language	\$0	\$0	\$10,504			
77	2017-07-01-93	HE/University of Delaware	Breast Displacement Studies with STF/Reebok	\$0	\$0	\$4,000			
78	2017-07-01-94	HE/University of Delaware	An fNIRS Study of Early Brain and Behavior Development in Infants With and Without Risk for Autism Spectrum Disorder (ASD)	\$0	\$0	\$300,000			
79	2017-07-01-95	HE/University of Delaware	PDCE/DASL Will Provide Support for Leaders and Teachers at Delaware Design Lab School Through Professional Development, Coaching and DPAS II Evaluation Support	\$0	\$0	\$82,841			
80	2017-07-01-96	HE/University of Delaware	Lignin Valorization: Conversion of Biomass Lignin into High-Performance Polymers	\$354,074	\$0	\$0			
81	2017-07-01-97	HE/University of Delaware	Delaware Academy for School Leadership Will Provide a 9-Week Leadership Development Program for up to 15 current Assistant Principals from Cecil County Public Schools	\$0	\$0	\$12,591			
82	2017-07-01-98	HE/University of Delaware	A Plasticity and Reprogramming Paradigm for Therapy Resistance at the Single Cell Level	\$0	\$0	\$275,202			
83	2017-07-01-99	HE/University of Delaware	Decadal Variability of the Subpolar North Atlantic Ocean Heat Content	\$365,148	\$0	\$0			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
84	2017-07-02-01	HE/University of Delaware	Book for Smith Richardson Foundation on Climate Change Challenges-Diverse Markets, Governance, and Strategies	\$0	\$0	\$54,345			
85	2017-07-02-02	HE/University of Delaware	Identifying Musculoskeletal System Interactions with Ankle-foot Orthoses to Ultimately Augment Solider Performance	\$27,086	\$0	\$0			
86	2017-07-02-03	HE/University of Delaware	PDCE Staff Will Coordinate Lesson Writing Teams to Field Test 10 Standards-Based Lessons for DRC Using Library of Congress Primary Source Materials	\$20,000	\$0	\$0			
87	2017-07-02-04	HE/University of Delaware	Optimizing Rice Residue Biochar And Water Management To Improve Rice Yield And Decrease Uptake Of Toxic Metal(Loid)S	\$357,534	\$0	\$0			
88	2017-07-02-05	HE/University of Delaware	Delaware Innovation & Entrepreneurship Alliance: Cultivating and Catalyzing the Innovation Ecosystem for Sustainable Chemistry and Fintech/Cyber Security	\$249,165	\$0	\$0			
89	2017-07-02-06	HE/University of Delaware	Molecular Characterization of Cataract-Linked RNA Binding Protein Celf1 in Mammalian Lens	\$0	\$0	\$2,500			
90	2017-07-02-07	HE/University of Delaware	Can Neuromuscular Training Alter Movement Patterns?	\$1,553,271	\$0	\$0			
91	2017-07-02-08	HE/University of Delaware	Functional Microbiome Approaches to Modulate Soil Water Content to Improve Nutrient Acquisition and Drought Tolerance in Plants	\$355,653	\$0	\$0			
92	2017-07-02-09	HE/University of Delaware	Impact Of Tart Cherry Juice On Blood Pressure Variability, Endothelial Function And Cardiovascular Reactivity In Older Adults	\$357,986	\$0	\$0			
93	2017-07-02-10	HE/University of Delaware	NCCVT SD 2017-18 Seminars for Delaware Teachers Institute 2017-18	\$0	\$0	\$6,250			
94	2017-07-02-11	HE/University of Delaware	Defining the Boundaries of Anaerobic Microbial Transformations of Methane	\$0	\$0	\$129,145			
95	2017-07-02-12	HE/University of Delaware	Epigenetic Influences Supporting Developmental Change in Spinal Cord Plasticity and Motor Behavior	\$0	\$0	\$198,860			
96	2017-07-02-13	HE/University of Delaware	Proactive Autonomous Sonar System	\$0	\$0	\$2,359,354			
97	2017-07-02-14	HE/University of Delaware	Hydro Acoustic Positioning System for Tracking Deployed Oceanographic Equipment Aboard the R/V Hugh R. Sharp	\$174,330	\$0	\$0			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
98	2017-07-02-15	HE/University of Delaware	Lego Foundation Cross-Cultural Project	\$0	\$0	\$132,283			
99	2017-07-02-16	HE/University of Delaware	PDCE/DASL Will Provide Support for Leaders and Teachers at Delaware Design Lab School Through Professional Development, Coaching and DPAS II Evaluation Support	\$0	\$0	\$82,841			
100	2017-07-02-17	HE/University of Delaware	Get Tough With Underground Bugs: Siliceous Conditions Benefit Maize Root Defenses Against Rootivorous Insects	\$285,139	\$0	\$0			
101	2017-07-02-18	HE/University of Delaware	Developing a New High Throughput Screening Platform for Identifying Deubiquitinase Inhibitors	\$1,139,959	\$0	\$0			
102	2017-07-02-19	HE/University of Delaware	Solar-Driven Fuel Production	\$0	\$0	\$207,714			
103	2017-07-02-20	HE/University of Delaware	Predicting Effective Fracture Toughness in Carbide Ceramic Nanocomposites Under Thermal Shock	\$236,187	\$0	\$0			
104	2017-07-02-21	HE/University of Delaware	Dynamic Network Models of Transnational Migration Flows: Modeling the Influences of Social, Spatial, Demographic, Political, Disaster, and Economic Processes	\$0	\$0	\$108,698			
105	2017-07-02-22	HE/University of Delaware	Collaborative Research: Auditory Sensory Signals for Syntax	\$136,776	\$0	\$0			
106	2017-07-02-23	HE/University of Delaware	University Centers of Excellence in Developmental Disabilities Diversity Fellowships Grant	\$45,370	\$0	\$0			
107	2017-07-02-24	HE/University of Delaware	Can Future Forest Provide Services While Stressed?	\$0	\$0	\$92,606			
108	2017-07-02-25	HE/University of Delaware	Crop Insurance Education in Delaware	\$253,827	\$0	\$0			
109	2017-07-02-26	HE/University of Delaware	Florida Developmental Disabilities Network Collaborative Leadership Program	\$0	\$0	\$90,795			
110	2017-07-02-27	HE/University of Delaware	Towards Global Phosphorus Security: Development And Optimization Of A Novel Nanofertilizer From Phosphorus Recovered From Agricultural Wastes	\$359,658	\$0	\$0			
111	2017-07-02-28	HE/University of Delaware	The Impacts and Mode of Actions of Pulsed Light or Ultraviolet Light on Fresh Produce Properties During the Shelf Life	\$367,252	\$0	\$0			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
112	2017-07-02-29	HE/University of Delaware	Characterization and Mitigation of Bacterial Pathogens in the Fresh Produce Production and Processing Continuum	\$500,001	\$0	\$0			
113	2017-07-02-30	HE/University of Delaware	Technical Proposal to Organize and Operate the Sensors, Communications and Electronics Consortium (SCEC)	\$0	\$0	\$605,920			
114	2017-07-02-31	HE/University of Delaware	Efficacy of the DCCS Program: ESL and Classroom Teachers Working Together with Students and Families	\$0	\$0	\$338,807			
115	2017-07-02-32	HE/University of Delaware	FCC NDBEDP National Deaf-Blind Equipment Distribution Program	\$62,782	\$0	\$0			
116	2017-07-01-02	HE/Delaware State University	Back to Campus DJ Glow Party	\$17,607	\$0	\$0			
117	2017-07-01-03	HE/Delaware State University	A Comparative Evaluation of Food Security Levels at Historically Black Colleges & Universities	\$47,500	\$0	\$0			
118	2017-07-01-04	HE/Delaware State University	Investigations of the mechanism of the novel microtubule-targeting agent eribulin by optical methods	\$415,708	\$0	\$0			
119	2017-07-01-05	HE/Delaware State University	Novel Catalytic Platform for Lignin Depolymerization via a Microwave-Assisted Process toward Lignocellulose Valorization	\$499,575	\$0	\$0			
120	2017-07-01-06	HE/Delaware State University	Development of an Adaptive Optics Light-Sheet Microscope for an in vivo 4D live imaging	\$403,189	\$0	\$0			
121	2017-07-01-01	HE/Delaware State University	Delaware State University INBRE III	\$296,985	\$0	\$0			
122	2017-07-01-07	HE/Delaware State University	Investigating antimicrobial resistance and the microbiome of catfish products and the ecosystem in Delaware	\$149,880	\$0	\$0			
123	2017-07-01-08	HE/Delaware State University	An Undergraduate IPM Training Program for the South and Noretheast Region	\$15,715	\$0	\$0			
124	2017-07-01-09	HE/Delaware State University	ROSES Consortium	\$195,000	\$0	\$0			
125	2017-07-01-10	HE/Delaware State University	A Biochar-centered Holistic Approach to Reducing Ammonia Emission and Improving Litter Fertilizer Quality from Broiler Production	\$156,910	\$0	\$0			

**New Business requires the attendance of the Contact Person.*

**Delaware State Clearinghouse Committee
Amended July Agenda**

July 25, 2017

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Funding</i>			<i>Positions</i>		
				<i>Federal</i>	<i>State</i>	<i>Other</i>	<i>Federal</i>	<i>State</i>	<i>Other</i>
126	2017-07-01-11	HE/Delaware State University	Conservation and Recovery of Atlantic Sturgeons in the Delaware River Estuary	\$106,600	\$0	\$0			
127	2017-07-01-12	HE/Delaware State University	Laser Ablation-Resonance Enhanced Ionization Mass Spectrometry to Improve Early Detection of Cancer	\$73,000	\$0	\$0			
128	2017-07-01-13	HE/Delaware State University	Undergraduate Research and Extension Experiential Learning Opportunities in Plant Molecular Genetics & Genomics	\$299,399	\$0	\$0			
129	2017-07-01-14	HE/Delaware State University	Delaware State University SNAP Ed Program	\$380,674	\$0	\$0			
130	2017-07-01-15	HE/Delaware State University	The mobile genetic elements in gut and environment interplay antibiotic resistance	\$299,924	\$0	\$0			
131	2017-07-01-16	HE/Delaware State University	SUMOylation of alpha-synuclein can be a protective target in Parkinson's disease	\$438,000	\$0	\$0			
132	2013-07-31-19 Amendment 2	HE/Delaware Technical and Community College	EPSCOR IIA	\$37,468	\$0	\$0			
133	2013-07-31-20 Amendment 2	HE/Delaware Technical and Community College	EPSCOR IIA - STANTON CAMPUS	\$232,892	\$0	\$0			
134	2013-07-31-21 Amendment 2	HE/Delaware Technical and Community College	EPSCOR IIA - TERRY CAMPUS	\$35,688	\$0	\$0			
135	3123	HE/Delaware Technical and Community College	INBRE (Idea Network of Biomedical Research Excellence)	\$175,093	\$0	\$0			
136	3152	HE/Delaware Technical and Community College	STEM UP Delaware	\$484,400	\$0	\$0			

Delaware State Clearinghouse Committee
August Agenda
August 29, 2017

Item	SAI#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
New Business*									
1	3343	Department of Health and Social Services, Public Health, Community Health	Milk Safety Training	\$1,617	\$0	\$0	0.00	0.00	0.00
2	3344	Department of Health and Social Services, Public Health, Community Health	Local Food Promotion Program	\$100,000	\$7,665	\$24,200	0.00	0.10	0.00
3	3230	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Structure Oriented Fish Assessment Program	\$98,148	\$32,716	\$0	0.05	0.20	0.00
4	2017-06-23-01	Delaware Military Academy	Charter School Facility Acquisition	\$15,000,000	\$0	\$0	0.00	0.00	0.00
Continued									
5	2780 Amendment	Department of Health and Social Services, Medicaid and Medical Assistance	Health Information Technology Initiatives - Provider Incentive Payments	\$2,705,378	\$8,116	\$0	0.00	0.00	0.00
6	2966 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Local Cooperation Agreement - Delaware Coast Protection Project	\$122,414	\$177,952	\$0	0.00	0.00	0.00
7	3144	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
8	3155	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
9	3172	Department of Health and Social Services, Social Services	Summer Electronic Benefits Transfer for Children	\$293,013	\$0	\$0	0.13	0.00	0.00
10	3173	Department of Health and Social Services, Social Services	Temporary Assistance for Needy Families - Contingency	\$3,417,717	\$0	\$0	0.00	0.00	0.00
11	3185 / 3401	Department of Health and Social Services, Medicaid and Medical Assistance	Medicaid Administration - Title XIX	\$78,806,000	\$37,283,354	\$0	369.84	338.35	0.00
12	3190	Department of Health and Social Services, State Service Centers	Access and Visitation Program	\$100,000	\$111,975	\$0	0.00	0.00	0.00
13	3193 / 3402	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
14	3225 / 3379	Department of Health and Social Services, Child Support Enforcement	Child Support Enforcement	\$21,795,616	\$13,528,528	\$0	129.26	68.44	0.00
15	3227	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Nutrition Services Incentive Program	\$466,497	\$0	\$0	0.00	0.00	0.00
16	3229	Department of Health and Social Services, Visually Impaired, Visually Impaired Services	Independent Living Services for Older Individuals Who Are Blind	\$225,000	\$267,370	\$0	2.80	4.80	0.00
17	3235	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services /Community Services	Title VII - Elder Abuse Prevention	\$23,832	\$0	\$0	0.00	0.00	0.00
18	3236	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.

Delaware State Clearinghouse Committee
August Agenda
August 29, 2017

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
19	3239	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III, Part B - Supportive Services	\$1,758,443	\$2,224,520	\$0	12.75	18.25	0.00
20	3240	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities	Title III, Part C - Congregate Meals	\$2,169,045	\$1,250,000	\$0	4.25	7.50	0.00
21	3241	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III, Part C - Home Delivered Meals	\$1,075,670	\$2,232,301	\$0	0.00	0.00	0.00
22	3242	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III, Part D - Disease Prevention and Health Promotion Services	\$98,661	\$0	\$0	0.00	0.00	0.00
23	3243	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Title III, Part E - National Family Caregiver Support	\$723,681	\$270,000	\$0	3.00	0.00	0.00
24	3250	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Enhance Adult Protective Services	\$198,690	\$70,837	\$0	0.00	1.00	0.00
25	3256 / 3360	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children - Food	\$10,654,777	\$4,900,000	\$0	0.00	0.00	0.00
26	3258 / 3361	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children - Administration	\$5,569,818	\$0	\$0	49.00	0.00	0.00
27	3259 / 3362	Department of Health and Social Services, Public Health, Community Health	Behavioral Risk Factor Surveillance System	\$164,809	\$0	\$0	0.00	0.00	0.00
28	3260 / 3363	Department of Health and Social Services, Public Health, Community Health	Preventive Health and Health Services Block Grant	\$289,208	\$0	\$0	0.00	0.00	0.00
29	3342	Department of Health and Social Services, Public Health, Community Health	Maternal, Infant and Early Childhood Home Visiting Formula	\$3,635,840	\$36,897	\$0	3.00	0.35	0.00
30	3179	Department of Services for Children, Youth and Their Families	Title IV-E - Adoption Assistance	\$1,800,000	\$1,800,000	\$0	0.00	0.00	0.00
31	3180	Department of Services for Children, Youth and Their Families, Management Support Services, Office of the Secretary	Title IV-E - Foster Care	\$9,400,000	\$9,399,048	\$0	4.79	4.79	0.00
32	3069	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Joint Enforcement Agreement	\$218,191	\$655	\$0	2.10	0.00	0.00
33	2412 Amendment 2	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Water Pollution Control	\$1,242,540	\$258,230	\$0	5.30	0.00	0.00
34	2418 Amendment 2	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Water	Delaware Groundwater Protection Program	\$313,440	\$0	\$0	3.00	0.00	0.00
35	3148	Department of Natural Resources and Environmental Control, Office of the Secretary, Coastal Programs	Delaware Coastal Management Program Implementation Grant	\$1,413,000	\$1,319,000	\$10,000	9.20	8.25	0.00
36	3149	Department of Natural Resources and Environmental Control, Office of the Secretary, Coastal Programs	Delaware National Estuarine Research Reserve Operations, Education and Monitoring	\$633,000	\$201,176	\$70,110	4.80	1.00	0.00
37	3191	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Conservation Reserve Program	\$30,388	\$91	\$0	0.00	0.00	0.00
38	3199	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Beaches Environmental Assessment and Coastal Health Act	\$207,000	\$0	\$0	0.00	0.00	0.00

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
August Agenda**

August 29, 2017

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
39	3205	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Water Quality Management - Planning	\$100,000	\$0	\$0	1.00	0.00	0.00
40	3215	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Dam Safety Program	\$47,824	\$0	\$0	0.00	0.00	0.00
41	3216	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delaware Hunter Education Program	\$300,000	\$100,000	\$0	1.15	1.07	0.00
42	3226	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Cooperating Technical Partnership	\$100,000	\$0	\$0	0.67	0.00	0.00
43	3228	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Fisheries Technical Assistance	\$99,589	\$33,196	\$0	0.87	0.24	0.00
44	3232	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Recreational Boating Safety Financial Assistance	\$872,863	\$872,863	\$0	8.20	9.80	0.00
45	3238	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	National and Regional Conservation Coordination	\$22,750	\$12,250	\$0	0.02	0.13	0.00
46	3244	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Freshwater Trout Program	\$119,829	\$39,943	\$0	0.41	0.04	0.00
47	3252	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Technical Assistance for Non-tidal Fisheries	\$42,336	\$14,112	\$0	0.37	0.15	0.00
48	3254	Department of Natural Resources and Environmental Control, Office of Natural Resources, Parks and Recreation	Land and Water Conservation Fund - Recreation Planning	\$35,000	\$35,000	\$0	0.00	0.00	0.00
49	2017-06-02-01	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Radiological Emergency Preparedness Program	\$0	\$0	\$1,285,813	10.45	0.00	0.00
50	3181	Department of Safety and Homeland Security, State Police, Training	Bulletproof Vest Partnership Program	\$519	\$518	\$0	0.00	0.00	0.00
51	3194	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Pre-Disaster Mitigation	\$571,657	\$572	\$189,980	0.00	0.00	0.00
52	3253	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Highway Safety Programming	\$1,806,525	\$165,516	\$0	4.00	2.00	0.00
53	3246	Department of Labor, Unemployment Insurance	Unemployment Insurance Administration Grant	\$11,477,832	\$0	\$0	129.00	0.00	0.00
54	3247	Department of Labor, Unemployment Insurance	Trade and Alternative Trade Adjustment Assistance	\$6,708,000	\$0	\$0	0.00	0.00	0.00
55	3195	Department of Agriculture, Forest Service	Conservation Reserve Program - Sign-up Period 47	\$1,448	\$0	\$0	0.00	0.00	0.00
56	3197	Department of Agriculture, Forest Service	Volunteer Fire Assistance	\$33,773	\$11,208	\$20,000	0.00	0.11	0.00
57	3198	Department of Agriculture, Forest Service	State Fire Assistance	\$108,676	\$78,677	\$30,000	0.52	0.76	0.00
58	3200	Department of Agriculture, Forest Service	Urban and Community Forestry	\$200,000	\$150,000	\$50,000	1.25	1.61	0.00

*New Business requires the attendance of the Contact Person.

Delaware State Clearinghouse Committee
August Agenda
August 29, 2017

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
59	3202	Department of Agriculture, Forest Service	Forest Stewardship Program	\$71,201	\$72,668	\$0	0.67	0.75	0.00
60	3204	Department of Agriculture, Forest Service	Forest Health Management and Monitoring	\$73,000	\$74,000	\$0	0.34	0.51	0.00
61	3207	Department of Agriculture, Administration	Specialty Crop Block Grant Program - Farm Bill	\$299,250	\$0	\$0	0.00	0.00	0.00
Higher Education									
1	2017-08-05-01	HE/University of Delaware	Multiscale In Silico Design of Reactive Membranes for Simultaneous Catalysis and Product Separation	\$320,982	\$0	\$0			
2	2017-08-05-02	HE/University of Delaware	CAREER: Losing Nemo- the Impact of Changing Seas on Mutualistic Behavioral Interactions	\$532,001	\$0	\$0			
3	2017-08-05-03	HE/University of Delaware	Annual Renewal of the Beneficial Insect Lab 18	\$4,545	\$0	\$0			
4	2017-08-05-04	HE/University of Delaware	Additive Laser Consolidation of Tailored Composite Feedstock	\$261,878	\$0	\$0			
5	2017-08-05-05	HE/University of Delaware	TOPSCD: Integrative TOPMed Trans-Omics Analysis and Phenotypic Computing for Sickle Cell Disease Knowledge Discovery	\$712,207	\$0	\$0			
6	2017-08-05-06	HE/University of Delaware	The Equine Microbiome Project: A Collegiate Collaborative Network to Further Equine Gut Research	\$0	\$0	\$130,535			
7	2017-08-05-07	HE/University of Delaware	Improving Cold Weather Foam Depopulation Operation	\$0	\$0	\$59,545			
8	2017-08-05-09	HE/University of Delaware	The Taxa Distribution of Equine Small Strongyles Following Deworming	\$0	\$0	\$9,960			
9	2017-08-05-10	HE/University of Delaware	Small Business Administration Cooperative Agreement FY17-18	\$562,171	\$438,720	\$0			
10	2017-08-05-11	HE/University of Delaware	CRA MEDE Congressional Plus Up 2017	\$0		\$933,412			
11	2017-08-05-12	HE/University of Delaware	IR-4 Project 2017: Foliar Feeding Beetle Efficacy	\$0	\$0	\$7,500			

*New Business requires the attendance of the Contact Person.

**Delaware State Clearinghouse Committee
August Agenda**

August 29, 2017

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
12	2017-08-05-13	HE/University of Delaware	A Modular L-Shaped Array for 3D Measurements in Shallow Water	\$498,587	\$0	\$0			
13	2017-08-05-14	HE/University of Delaware	PDCE will provide literacy PD and coaching for teachers in Cecil County Public Schools. Sessions will focus on Interactive Read Aloud, Shared Reading, and/or Differentiated Reading using Bookworms curriculum designed by Sharon Walpole and Mike McKenna.	\$0	\$0	\$66,142			
14	2017-08-05-15	HE/University of Delaware	Using Foams as a Vaccine Administration Method at Poultry Hatcheries	\$0	\$0	\$67,037			
15	2017-08-05-16	HE/University of Delaware	Control of Variant Infectious Bronchitis Virus in Layer and Broiler Chickens Using a Non-Replicating Alphavirus Delivery System	\$0	\$0	\$65,310			
16	2017-08-05-17	HE/University of Delaware	Mechanisms of Light Control of Root Growth	\$0	\$0	\$223,234			
17	2017-08-05-18	HE/University of Delaware	An fNIRS-Based Study of Interpersonal Synchrony Performance in Children With and Without Autism Spectrum Disorder (ASD)	\$275,000	\$0	\$0			
18	2017-08-05-19	HE/University of Delaware	Modeling of Optically Trapped Atoms for Quantum Information and Atomic Clocks	\$125,000	\$0	\$0			
19	2017-08-05-20	HE/University of Delaware	Integrating Mobile and Wearable Technology to Promote Physical Activity and Sleep among Midlife Adults: The Be SMART for Heart Health Trial	\$286,052	\$0	\$0			
20	2017-08-05-21	HE/University of Delaware	Development of a Professional Development Model on Genre-Based Strategy Instruction for Grades 3 to 5	\$0	\$0	\$209,624			
21	2017-08-05-22	HE/University of Delaware	Capacity and Infrastructure Program Part (a) of the Continuing Animal Health and Disease, Food Security, and Stewardship Research, Education and Extension Program for 2017	\$17,943	\$0	\$0			
22	2017-08-05-23	HE/University of Delaware	The PDCE and DASL Will Continue Supporting Laurel MS During the 17-18 School Year. Requested Services Include Responsive Classroom Training and Support, Content-Area Coaching, and Special Education Support	\$0	\$0	\$105,584			
23	2017-08-05-24	HE/University of Delaware	CAREER: ELEGANT: Expressing LEGacy Application on Von Neumann and Beyond With Tasks	\$333,988	\$0	\$0			
24	2017-08-05-25	HE/University of Delaware	CAREER: The Urban TREE (Tree Research for Ecology and Education) Project	\$516,527	\$0	\$0			
25	2017-08-05-26	HE/University of Delaware	Development, Validation, and Implementation of a Tissue Engineered, In Vitro Microstroke Model	\$403,691	\$0	\$0			
26	2017-08-05-27	HE/University of Delaware	Promoting Small Business Support of Youth Physical Activity in Low-Income, Minority Neighborhoods	\$275,000	\$0	\$0			

*New Business requires the attendance of the Contact Person.

Delaware State Clearinghouse Committee
August Agenda
August 29, 2017

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
27	2017-08-05-28	HE/University of Delaware	Asset Mapping of Intergenerational Programs and Best Practices in New Castle County, Delaware	\$0	\$0	\$19,252			
28	2017-08-05-29	HE/University of Delaware	Interrogating Exotic Haplotypes in Adapted Genomes: Pre-Breeding Research for Injecting Diversity into Advanced Breeding Population	\$362,254	\$0	\$0			
29	2017-08-05-30	HE/University of Delaware	CAREER: Metal-Organic Polyhedral Based Materials for Small Molecule Storage and Activation	\$565,049	\$0	\$0			
30	2017-08-05-31	HE/University of Delaware	CAREER: Interfacial Versus Bulk Dynamics and Energetics of Ionic Liquid-Gas Interactions	\$330,055	\$0	\$0			
31	2017-08-05-32	HE/University of Delaware	Development and Application of Wild Duck-Specific Peptide Arrays for Kinome Immunometabolic Analysis of Influenza Infection	\$20,425	\$0	\$0			
32	2017-08-05-33	HE/University of Delaware	PDCE and DASL Will Provide Professional Development in Science, Social Studies, Literacy, and Math. In addition, the Centers Will Provide Professional Development in Career and Technical Education	\$0	\$0	\$75,435			
33	2017-08-05-34	HE/University of Delaware	Intracellular Survival Strategies of Amoeba-Resistant Bacteria	\$607,150	\$0	\$0			
34	2017-08-05-35	HE/University of Delaware	CAREER: Multi-robot Cooperative Estimation: Going Beyond Model-based Paradigms	\$329,144	\$0	\$0			
35	2017-08-05-36	HE/University of Delaware	Service Agreement Between University of Delaware and Janus, Inc.	\$0	\$0	\$6,000			
36	2017-08-05-37	HE/University of Delaware	FAC Early Career Development Program	\$577,930	\$0	\$0			
37	2017-08-05-38	HE/University of Delaware	CAREER: Social Hunger Theory - A Novel Theoretical Perspective About Threats to Belonging	\$479,090	\$0	\$0			
38	2017-08-05-39	HE/University of Delaware	CAREER: Characterization of Unsaturated Soils With Due Consideration to Pore-Morphology, Inter-Phase-Interactions and Soil Structure: An Integrated Research and Education Plan	\$361,310	\$0	\$0			
39	2017-08-05-40	HE/University of Delaware	4H Nutrition Education 2017-18	\$0	\$0	\$55,454			
40	2017-08-05-41	HE/University of Delaware	Mechanisms of De Novo Trans-Organogenesis	\$0	\$0	\$300,000			
41	2017-08-05-42	HE/University of Delaware	Interdisciplinary Health Pre-Professions Training in Empathy & Affect Recognition	\$0	\$0	\$4,616			

*New Business requires the attendance of the Contact Person.

Delaware State Clearinghouse Committee
August Agenda
August 29, 2017

Item	SAI#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
42	2017-08-05-43	HE/University of Delaware	iWATUR: Integration of Water in Agricultural Technology for Urban and Rural Systems	\$0	\$0	\$210,010			
43	2017-08-05-44	HE/University of Delaware	CAREER: Engineering Membrane-Wrapped Nanoparticles for Targeted RNA Delivery	\$321,696	\$0	\$0			
44	2017-08-05-45	HE/University of Delaware	Enhancing a Calculus Course Through TA Professional Development	\$434,235	\$0	\$0			
45	2017-08-05-46	HE/University of Delaware	Topological Coding and Structure in Neural Systems	\$337,350	\$0	\$0			
46	2017-08-05-47	HE/University of Delaware	Career: Advanced Compound Semiconductor Devices and Circuits for Future Electronics	\$399,668	\$0	\$0			
47	2017-08-05-48	HE/University of Delaware	Disc Mechanics and Altered Loading in Degeneration	\$2,006,803	\$0	\$0			
48	2017-08-05-49	HE/University of Delaware	CAREER: Development of a Tissue-Engineered Model of Ischemic Microstroke	\$347,423	\$0	\$0			
49	2017-08-05-50	HE/University of Delaware	CAREER: Diffusions With Poisson-Dirichlet Stationary Distributions and Related Processes	\$324,720	\$0	\$0			
50	2017-08-05-51	HE/University of Delaware	A SciDAC Institute for Computer Science and Data	\$164,739	\$0	\$0			
51	2017-08-05-52	HE/University of Delaware	Mixing in the Texas Coastal Zone Through Coordinated Simulations and Field Measurements: the Role of Langmuir Cells in Sediment Suspension and Oil-Mineral Aggregation	\$0	\$0	\$104,980			
52	2017-08-05-53	HE/University of Delaware	Exploring and Assessing the Development of Students' Argumentation Skills	\$0	\$0	\$490,906			
53	2017-08-05-54	HE/University of Delaware	Gendered Racism and Racial/Ethnic Disparities in Adverse Birth Outcomes	\$0	\$0	\$94,525			
54	2017-08-05-55	HE/University of Delaware	DASL Will Design a Leadership Development Program for the School Leadership Team at Speyside High School, Located in Trinidad and Tobago	\$0	\$0	\$56,929			
55	2017-08-05-56	HE/University of Delaware	Model Approaches for Enhancing the Quality, Effectiveness and Monitoring of Home and Community Based Services for Individuals with Developmental Disabilities	\$0	\$0	\$96,766			
56	2017-08-05-57	HE/University of Delaware	Advancing Farmland Preservation: Enhanced Profitability and Participation Through Targeted Labels for Protected Small and Medium-Sized Farms	\$393,207	\$0	\$0			

*New Business requires the attendance of the Contact Person.

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

**Delaware State Clearinghouse Committee
August Agenda**

August 29, 2017

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
57	2017-08-05-58	HE/University of Delaware	Developing Novel Methods for Removal of Pathogens and Nanoparticles From Fresh Produce and Food-Contact Surfaces	\$314,079	\$0	\$0			
58	2017-08-05-59	HE/University of Delaware	Development and Evaluation of an Appliance to be Used at Home and Other Places for Fresh Produce Decontamination and Cleaning	\$250,540	\$0	\$0			
59	2017-08-05-60	HE/University of Delaware	Improving the Durability and Extending the Life of Transportation Infrastructure	\$0	\$0	\$109,821			
60	2017-08-05-61	HE/University of Delaware	Regulation of Erythroid Heme Synthesis and Erythropoiesis by the CLPX Mitochondrial Protein Unfoldase	\$0	\$0	\$150,000			
70	2017-08-05-62	HE/University of Delaware	Behavioral- and Bio-Markers of Subconcussion With Controlled Human Head Impact	\$2,995,441	\$0	\$0			
71	2017-08-05-63	HE/University of Delaware	Initiation of PTOA at Cartilage-Bone Interface	\$200,000	\$0	\$0			
72	2017-08-05-64	HE/University of Delaware	Evaluation and Optimization of Innovative, Mycoremediation Technologies to Remove Pathogens and Antibiotics From Dairy Manure	\$373,161	\$0	\$0			
73	2017-08-05-65	HE/University of Delaware	Soil Carbon Stocks, Hydrology, and Hydric Soils of Northeastern Vernal Pools	\$0	\$0	\$11,508			
74	2017-08-05-66	HE/University of Delaware	Anticipatory Spatial Representation in Memory for Visual Events	\$334,427	\$0	\$0			
75	2017-08-05-67	HE/University of Delaware	Consequences of Immune Activation on Microglia-Mediated Synapse Remodeling and Learning in the Juvenile Rat	\$120,484	\$0	\$0			
76	2017-08-05-68	HE/University of Delaware	Improving Mobility in Individuals with PD through Wearable Technology	\$298,523	\$0	\$0			
77	2017-08-05-69	HE/University of Delaware	H-60B Tail Landing Gear Drop Test Extension	\$2,447	\$0	\$0			
78	2017-08-05-70	HE/University of Delaware	Understanding and Addressing Disclosure to Members of Social Networks among People Recovering from Substance Use Disorders	\$701,840	\$0	\$0			
79	2017-08-05-71	HE/University of Delaware	Restriction of HIV-1 Infection by Human Myxovirus Resistance B (MxB) Proteins	\$0	\$0	\$180,000			
80	2017-08-05-72	HE/University of Delaware	PDCE Will Provide Support for Leaders and Teachers at Delaware Design Lab School Through Professional Development, Coaching, CTE and PLC Support	\$0	\$0	\$64,259			

*New Business requires the attendance of the Contact Person.

Delaware State Clearinghouse Committee
August Agenda
August 29, 2017

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
81	2017-08-05-73	HE/University of Delaware	Slug Nematodes in Soybean: a Survey for Magic Bullets in Slug Control	\$0	\$0	\$19,707			
82	2017-08-05-74	HE/University of Delaware	Innovative Manure Management Strategies to Promote Phosphorus Balance and Sustain Agriculture on the Delmarva Peninsula	\$0	\$0	\$93,188			
83	2017-08-05-75	HE/University of Delaware	Improving Mobility of People and Goods	\$0	\$0	\$66,390			
84	2017-08-05-76	HE/University of Delaware	Developing Cyber Models for the Insurance Market in the Era of Big Data	\$0	\$0	\$50,364			
85	2017-08-05-77	HE/University of Delaware	The Dynamic Habitat Indices from Terra, Aqua, and Suomi NPP Data for Land and Oceans	\$0	\$0	\$174,739			
86	2017-08-05-78	HE/University of Delaware	Transforming Transportation with SMART Science - Mobility (TranS4M)	\$0	\$0	\$196,936			
87	2017-08-05-79	HE/University of Delaware	UMD/MITRE FFRDC Controlling Information with Attribute-Based Encryption and Block chain Shen	\$0	\$0	\$50,376			
88	2017-08-05-80	HE/University of Delaware	RCN: Building an International Community to Advance Urban Soil Ecology and Education	\$453,303	\$0	\$0			
89	2017-08-05-81	HE/University of Delaware	Brain MR Elastography in Athletes with Repeated, Sub concussive Head Impacts	\$123,871	\$0	\$0			
90	2017-08-05-82	HE/University of Delaware	The Role of Stimulus Properties on Past Tense Acquisition in Children with SLI	\$371,492	\$0	\$0			
91	2017-08-05-83	HE/University of Delaware	Towards Energy Safety for Cyber-Physical Systems	\$0	\$0	\$50,805			
92	2017-08-05-84	HE/University of Delaware	Life Cycle Analysis of the Use of Methanol for Marine Transportation	\$38,461	\$0	\$0			
93	2017-08-05-85	HE/University of Delaware	Health System Transformation Project Facilitation and Management Services	\$0	\$0	\$318,108			
94	2017-08-05-86	HE/University of Delaware	Reducing Congestion Research by the Mid-Atlantic Transportation Center Consortium	\$0	\$0	\$115,408			
95	2017-08-05-87	HE/University of Delaware	UDare Cybersecurity Scholarships for Service	\$3,906,500	\$0	\$0			

*New Business requires the attendance of the Contact Person.

Delaware State Clearinghouse Committee
August Agenda
August 29, 2017

Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
96	2017-08-05-88	HE/University of Delaware	George Washington University UTC Consortium - Reducing Congestion	\$0	\$0	\$135,067			
97	2017-08-05-89	HE/University of Delaware	Neural Signatures of Memory-Guided Attentional Selection Revealed Using Oculomotor Measures	\$172,926	\$0	\$0			
98	2017-08-05-90	HE/Delaware State University	Molecular basis of tasiRNA mediated virus resistance: towards the control of corky ringspot disease in potato	\$500,000	\$0	\$0			
99	2017-08-05-91	HE/Delaware State University	Engineered Microcapsules for Control- Released Micronutrients Delivery in Food Products	\$499,833	\$0	\$0			
100	2017-08-05-92	HE/Delaware State University	Genetic Enhancement of Northern Highbush Blueberries for High Temperature Stress Tolerance	\$149,971	\$0	\$0			
101	2017-08-05-93	HE/Delaware State University	Ultra-high resolution temperature and water vapor profiles using mid infrared laser based airborne sensor system	\$1,014,000	\$0	\$0			
102	2017-08-05-94	HE/Delaware State University	Federal Work Study 2017	\$194,699	\$0	\$0			
103	3122	HE/Delaware Technical and Community College	Technician Training in Gene Editing ATE	\$895,279	\$0	\$0			
104	3211	HE/Delaware Technical and Community College	FY18 UPWARD BOUND MATH & SCIENCE	\$1,410,580	\$0	\$0			
105	3212	HE/Delaware Technical and Community College	FY18 CLASSIC UPWARD BOUND - OWENS CAMPUS	\$1,556,710	\$0	\$0			
106	3214	HE/Delaware Technical and Community College	FY18 REGULAR UPWARD BOUND FOR KENT COUNTY	\$1,735,770	\$0	\$0			
107	3224	HE/Delaware Technical and Community College	Educational Talent Search (ETS)	\$1,257,600	\$0	\$0			

**Delaware State Clearinghouse Committee
September Agenda**

September 26, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<u>New Business*</u>									
1	3352	Department of Health and Social Services, Public Health, Community Health	Enhanced Survey of Opioid-Involved Morbidity	\$94,813	\$11,396	\$0	0.00	0.10	0.00
2	3356	Department of Health and Social Services, Public Health, Community Health	First Responders - Comprehensive Addiction and Recovery Act	\$538,001	\$8,892	\$0	0.00	0.10	0.00
3	3416	Department of Health and Social Services, Public Health, Community Health	Enhanced Surveillance of Opioid-Involved Morbidity and Mortality	\$237,034	\$0	\$0	0.00	0.00	0.00
4	3264	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Thousand Acre Marsh Wetland Protection Project	\$900,000	\$530,000	\$0	0.00	0.14	0.00
5	3267	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Pollinator Species of Greatest Conservation Need Inventory and Conservation	\$23,788	\$12,809	\$0	0.02	0.06	0.00
6	3303	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Port Security Grant	\$428,500	\$0	\$0	0.00	0.00	0.00
7	3066	Delaware Technical Community College	Upward Bound	\$1,842,270	\$0	\$0	3.00	0.00	0.00
8	3341	Delaware Technical Community College	Manufacturing Extension Partnership	\$1,151,211	\$0	\$0	1.00	0.00	0.00
<u>Continued</u>									
9	3279	Judicial, Family Court	State Court Improvement Program - Data	\$98,563	\$33,314	\$0	0.00	0.29	0.00
10	3280	Judicial, Family Court	State Court Improvement Program Training Grant	\$98,563	\$33,297	\$0	0.00	0.21	0.00
11	3329	Executive, Office of Management and Budget, Food Distribution	State Administrative Expense Funds	\$108,883	\$0	\$0	0.60	0.00	0.00
12	3393	Executive, Office of Management and Budget, Food Distribution	The Emergency Food Assistance Program	\$120,000	\$95,344	\$0	1.40	2.70	0.00
13	3394	Executive, Office of Management and Budget, Food Distribution	Commodity Supplemental Food Program	\$169,392	\$0	\$0	0.00	0.00	0.00
14	3375	Legal, Office of Attorney General	Internet Crimes Against Children	\$245,123	\$0	\$0	2.00	0.00	0.00
15	3376	Legal, Office of Attorney General	Medicaid Fraud Unit	\$1,755,839	\$585,281	\$0	13.75	4.25	0.00
16	3366	Department of State, Office of the Secretary, Administration	State Trade and Export Promotion	\$277,228	\$92,409	\$0	0.00	0.00	0.00
17	3203	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Employment and Training - Operations	\$63,100	\$63,100	\$0	0.00	0.00	0.00
18	3348	Department of Health and Social Services, Public Health, Community Health	Special Supplemental Nutrition Program for Women, Infants and Children - Breast Feeding	\$113,880	\$0	\$0	0.00	0.00	0.00
19	3349	Department of Health and Social Services, Public Health, Community Health	Hepatitis C Increased Testing and Diagnosis	\$87,980	\$96,917	\$0	0.00	1.00	0.00

20	3350	Department of Health and Social Services, Public Health, Community Health	Delaware Prescription Drug Overdose Prevention	\$688,573	\$29,598	\$0	0.50	0.35	0.00
21	3351	Department of Health and Social Services, Public Health, Community Health	Maternal and Child Health Services	\$1,961,019	\$12,823,383	\$0	19.65	53.10	0.00
22	3353	Department of Health and Social Services, Public Health, Community Health	State Indoor Radon Grant	\$300,000	\$256,110	\$0	0.20	0.80	0.00
23	3354	Department of Health and Social Services, Public Health, Community Health	Lead-Based Paint Program - Certification	\$320,000	\$0	\$0	1.50	0.00	0.00
24	3355	Department of Health and Social Services, Public Health, Community Health	Lead-Based Paint Program - Enforcement	\$50,000	\$0	\$0	0.00	0.00	0.00
25	3372	Department of Health and Social Services, Long Term Care Residents Protection	Centers for Medicare and Medicaid Services Survey and Certification - Hospice	\$10,500	\$0	\$0	0.12	0.00	0.00
26	3373	Department of Health and Social Services, Long Term Care Residents Protection	Centers for Medicare and Medicaid Services Survey and Certification - Medicaid	\$854,820	\$475,403	\$0	7.00	6.86	0.00
27	3374	Department of Health and Social Services, Long Term Care Residents Protection	Centers for Medicare and Medicaid Services Survey and Certification - Medicare	\$1,403,743	\$383,117	\$0	7.56	4.14	0.00
28	3377	Department of Health and Social Services, State Service Centers	AmeriCorps State Formula	\$644,966	\$0	\$792,338	0.00	0.00	0.00
29	3380	Department of Health and Social Services, Child Support Enforcement	Child Support Enforcement Incentive	\$1,317,650	\$0	\$0	22.00	0.00	0.00
30	3383	Department of Health and Social Services, State Service Centers	Community Services Block Grant	\$3,756,915	\$0	\$0	1.75	0.00	0.00
31	3384	Department of Health and Social Services, Visually Impaired, Visually Impaired Services	Vocational Rehabilitation - Blind (Basic Support)	\$1,455,127	\$414,816	\$0	17.50	5.50	0.00
32	3385	Department of Health and Social Services, Visually Impaired, Visually Impaired Services	Supported Employment Services	\$42,000	\$2,333	\$0	0.00	0.00	0.00
33	3386	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Electronic Benefits Transfer State Exchange	\$3,000	\$0	\$0	0.00	0.00	0.00
34	3387	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Employment and Training - Reimbursement	\$75,240	\$75,240	\$0	0.00	0.00	0.00
35	3388	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Employment and Training for Able-Bodied Adults Without Dependents	\$201,200	\$0	\$0	0.00	0.00	0.00
36	3389	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Process and Technology Improvement Grant	\$667,618	\$0	\$0	0.00	0.00	0.00
37	3391	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - State Exchange	\$7,157	\$0	\$0	0.00	0.00	0.00
38	3392	Department of Health and Social Services, Administration, Office of the Secretary	State Loan Repayment Program	\$420,000	\$421,260	\$0	0.00	0.00	0.00
39	3013 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Delmarva Fox Squirrel Conservation Plan Implementation	\$18,556	\$9,992	\$0	0.00	0.00	0.00
40	3206	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	State Clean Diesel Grant Program	\$224,165	\$504	\$642,308	0.00	0.00	0.00
41	3234	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Clean Water State Revolving Fund	\$6,474,000	\$1,294,800	\$0	0.00	0.00	0.00
42	3252	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Technical Assistance for Non-tidal Fisheries	\$42,336	\$14,142	\$0	0.37	0.15	0.00
43	3255	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Marine Mammal and Sea Turtle Stranding Program	\$23,825	\$12,829	\$0	0.00	0.02	0.00
44	3262	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Water	Underground Injection Control	\$48,000	\$37,638	\$0	0.65	0.35	0.00

45	3266	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Stream and Tidal Tributary Fish Survey	\$33,720	\$11,240	\$0	0.31	0.01	0.00
46	3269	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Amphibian and Reptile Monitoring and Conservation	\$33,682	\$18,136	\$0	0.22	0.07	0.00
47	3271	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Bat Research, Monitoring and Conservation	\$63,119	\$33,987	\$0	0.30	0.10	0.00
48	3278	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Avian Conservation Project	\$185,000	\$99,615	\$0	0.00	0.15	0.00
49	3283	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	State Wildlife Grant Coordination in Delaware	\$20,000	\$10,769	\$0	0.11	0.18	0.00
50	3297	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Nonpoint Source Implementation Grant - Section 319	\$1,164,612	\$473,879	\$309,236	4.00	1.93	0.00
51	3306	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Waterfowl and Migratory Game Birds	\$89,598	\$29,866	\$0	0.20	0.17	0.00
52	3310	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Local Cooperation Agreement - Delaware Coast Protection Project	\$195,149	\$283,691	\$0	0.10	0.15	0.00
53	3311	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Community Assistance Program	\$102,973	\$25,743	\$0	1.00	0.18	0.00
54	3312	Department of Natural Resources and Environmental Control, Natural Resources, Fish and Wildlife	Habitat Development Program	\$1,087,500	\$352,500	\$10,000	5.26	4.37	0.00
55	3318	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Wildlife Investigations - Surveys	\$23,409	\$7,803	\$0	0.06	0.09	0.00
56	3319	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Wildlife Restoration Coordination	\$75,000	\$25,000	\$0	0.40	0.37	0.00
57	3320	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Sport Fish Coordination in Delaware	\$60,000	\$20,000	\$0	0.30	0.35	0.00
58	3231	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Criminal History Improvement Program	\$350,400	\$38,933	\$0	0.00	0.00	0.00
59	3249	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Instant Criminal Background Check System Act - Record Improvement Program	\$86,625	\$0	\$0	0.00	0.00	0.00
60	3265	Department of Safety and Homeland Security, Office of the Secretary, Division of Forensic Science	DNA Backlog Reduction Program	\$320,194	\$0	\$0	0.00	0.00	0.00
61	3281	Department of Safety and Homeland Security, Office of the Secretary, Developmental Disabilities Council	Developmental Disabilities Council	\$486,307	\$20,000	\$80,000	4.00	0.00	0.00
62	3314	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Emergency Management Performance Grant	\$3,236,582	\$2,235,591	\$1,000,991	27.55	7.90	0.00
63	3323	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Homeland Security Grant Program	\$3,752,000	\$0	\$0	3.25	0.00	0.00
64	3395	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405 (h) - Non-Motorized Safety Grant	\$223,189	\$0	\$0	0.00	0.00	0.00
65	3396	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405 (b) - Occupant Protection Incentive Grant	\$281,836	\$0	\$0	0.00	0.00	0.00
66	3397	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405 (c) - Traffic Safety Information System Improvements Grant	\$308,728	\$0	\$0	0.00	0.00	0.00
67	3398	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405 (d) - Impaired Driving Countermeasures Grant	\$1,100,000	\$0	\$0	0.00	0.00	0.00
68	3315	Department of Labor, 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
69	3316	Department of Labor, Industrial Affairs, Anti-Discrimination	Equal Employment Opportunity Commission	\$255,880	\$0	\$0	3.00	0.00	0.00

70	3369	Department of Labor, Vocational Rehabilitation, Disability Determination Services	Disability Determination Service	\$7,772,295	\$0	\$0	49.00	0.00	0.00
71	3378	Department of Agriculture, Forest Service	Conservation Reserve Program - Sign-up Periods 48 and 49	\$4,537	\$0	\$0	0.00	0.00	0.00
72	3273	Delaware National Guard	Air National Guard Operations and Maintenance Agreement	\$3,857,272	\$523,334	\$0	44.00	4.00	0.00
73	3274	Delaware National Guard	Army National Guard Environmental Resource Management Agreement	\$376,268	\$0	\$0	3.00	0.00	0.00
74	3275	Delaware National Guard	Air National Guard Security Guard Agreement	\$1,296,528	\$0	\$0	21.00	0.00	0.00
75	3276	Delaware National Guard	Army National Guard Operations and Maintenance Agreement	\$7,086,275	\$2,050,385	\$0	18.50	12.50	0.00
76	3285	Department of Education	Child Nutrition State Administrative Expense	\$1,011,270	\$276,078	\$0	3.90	2.50	0.00
77	3286	Department of Education	School Breakfast Program	\$14,745,081	\$0	\$0	0.00	0.00	0.00
78	3287	Department of Education	National School Lunch Program	\$38,608,220	\$487,127	\$0	0.00	0.00	0.00
79	3288	Department of Education	Special Milk Program	\$28,868	\$0	\$0	0.00	0.00	0.00
80	3289	Department of Education	Child and Adult Care Food Program	\$16,406,506	\$0	\$0	2.00	0.00	0.00
81	3290	Department of Education	Child and Adult Care Food Program Cash in Lieu	\$884,699	\$0	\$0	0.00	0.00	0.00
82	3291	Department of Education	Child and Adult Care Food Program - Sponsor	\$664,322	\$0	\$0	0.00	0.00	0.00
83	3292	Department of Education	Summer Food Service Program	\$2,477,973	\$0	\$0	0.60	0.00	0.00
84	3293	Department of Education	Fresh Fruit and Vegetable Program	\$1,896,602	\$0	\$0	0.00	0.00	0.00
85	3294	Department of Education	National School Lunch Program Equipment Assistance Grant	\$74,130	\$0	\$0	0.00	0.00	0.00

Higher Education

1	2017-09-02-01	HE/University of Delaware	Collaborative Research: Visual Ecology of Hydrothermal Vent Shrimp	\$230,218	\$0	\$0			
2	2017-09-02-02	HE/University of Delaware	Subconcussion and Vestibular Dysfunction	\$113,760	\$0	\$0			
3	2017-09-02-03	HE/University of Delaware	Improving STEM Outcomes for Young Children with Language Learning Disabilities by Intervening at the Intersection of Language and Scientific Thought	\$0	\$0	\$499,393			
4	2017-09-02-04	HE/University of Delaware	NCAA-DoD Grand Alliance: Concussion Assessment, Research and Education (CARE) Consortium - Longitudinal Clinical Study Core (CSC)	\$0	\$0	\$20,429			
5	2017-09-02-05	HE/University of Delaware	Project CHASE (Children with Autism Supported to Exercise) a Randomized Pilot Trial of a Facebook-Delivered, Parent-Mediated Physical Activity Intervention	\$0	\$0	\$30,000			

6	2017-09-02-06	HE/University of Delaware	Evaluation of Hy-Line Brown Laying Hen Performance Using Cage and Cage-Free Housing Systems With Soybean and Soybean-Free Dietary Feeding Programs	\$0	\$0	\$318,880
7	2017-09-02-07	HE/University of Delaware	University Transportation Center Consortium - Promoting Safety	\$0	\$0	\$135,067
8	2017-09-02-08	HE/University of Delaware	Neurophysiological and Transcriptomic Predictors of Chronic Low Back Pain: Towards Precision Pain Management. (NEAT Study)	\$0	\$0	\$41,520
9	2017-09-02-09	HE/University of Delaware	Timing the Availability of Linguistic Predictive Signals: a Cerebellar Opponent Process for Regulating Word Priming	\$376,250	\$0	\$0
10	2017-09-02-10	HE/University of Delaware	Iowa State/NSF Redlawsk Subaward: Dynamic Process Tracing Environment Software Rebuild	\$128,750	\$0	\$0
11	2017-09-02-11	HE/University of Delaware	Center for Preservation of Transportation Infrastructure (CPTI)	\$0	\$0	\$278,380
12	2017-09-02-12	HE/University of Delaware	Effects of Dual-Task Cognitive Training on Head Impact Kinematics	\$0	\$0	\$1,289
13	2017-09-02-13	HE/University of Delaware	Emergency Response and Foam Depopulation and Maintenance Training for 3-D Contractors	\$41,773	\$0	\$0
14	2017-09-02-14	HE/University of Delaware	Towards Objective and Effective Orthotic Personalization - Identifying the Influence of Personalized AFO Bending Stiffness on Post-Stroke Gait	\$0	\$0	\$250,000
15	2017-09-02-15	HE/University of Delaware	CRIL: CSR: Energy-Aware Cloud Resource Management: An Algorithmic Perspective	\$119,194	\$0	\$0
16	2017-09-02-16	HE/University of Delaware	Tier 1 UTC-Railroad	\$0	\$0	\$248,182
17	2017-09-02-17	HE/University of Delaware	Gait and Clinical Movement Analysis Society 2018 Meeting	\$6,000	\$0	\$0
18	2017-09-02-18	HE/University of Delaware	USDA CARE Response Techniques	\$231,780	\$0	\$0
19	2017-09-02-19	HE/University of Delaware	Enhancing Delaware's High School Geography Curriculum with Remote Sensing & Digital Imagery	\$0	\$0	\$6,390
20	2017-09-02-20	HE/University of Delaware	RF Photonics, Hybrid Optical Apertures, and Integration	\$0	\$0	\$364,831
21	2017-09-02-21	HE/University of Delaware	PADE Boys and Girls Club Dream Chasers 17/18 Partner Organization	\$0	\$0	\$16,000
22	2017-09-02-22	HE/University of Delaware	Five Year Summary Report and Power Analysis of Landbirds in the Northern Great Plains	\$83,830	\$0	\$0
23	2017-09-02-23	HE/University of Delaware	Mapping the Structure and Kinematics of NGC 1624-2's Giant Magnetosphere	\$56,367	\$0	\$0

24	2017-09-02-24	HE/University of Delaware	The Delaware Research Partnership - Investigating Approaches to Improving Wilmington's Priority Schools	\$312,500	\$0	\$0
25	2017-09-02-25	HE/University of Delaware	PADE YMCA 17/18 Partner Organization	\$0	\$0	\$16,000
26	2017-09-02-26	HE/University of Delaware	PADE Kingswood Community Center 1 17/18 Partner Organization	\$0	\$0	\$16,000
27	2017-09-02-27	HE/University of Delaware	PADE Kingswood Community Center 2 17/18 Partner Organization	\$0	\$0	\$16,000
28	2017-09-02-28	HE/University of Delaware	PADE Pathways to Success 17/18 Partner Organization	\$0	\$0	\$15,500
29	2017-09-02-29	HE/University of Delaware	PADE Cornerstone West CDC WSGT 17/18 Partner Organization	\$0	\$0	\$15,500
30	2017-09-02-30	HE/University of Delaware	PADE Kuumba Academy 17/18 Partner Organization	\$0	\$0	\$16,000
31	2017-09-02-31	HE/University of Delaware	PADE Vision Academy 17/18 Partner Organization	\$0	\$0	\$14,000
32	2017-09-02-32	HE/University of Delaware	PADE LYTE 17/18 Partner Organization	\$0	\$0	\$12,000
33	2017-09-02-33	HE/University of Delaware	PADE Beau Biden Foundation 17/18 Partner Organization	\$0	\$0	\$14,000
34	2017-09-02-34	HE/University of Delaware	PADE Communities in Schools 17/18 Partner Organization	\$0	\$0	\$15,500
35	2017-09-02-35	HE/University of Delaware	PADE East Side Charter School 17/18 Partner Organization	\$0	\$0	\$14,000
36	2017-09-02-36	HE/University of Delaware	Collaborative Research: Wave Breaking and Bubble Dynamics	\$93,269	\$0	\$0
37	2017-09-02-37	HE/University of Delaware	Collaborative Research: Physics of Dune Erosion During Extreme Surge and Wave Events	\$404,368	\$0	\$0
38	2017-09-02-38	HE/University of Delaware	The Delaware Research-Practice Partnership: Supporting College Readiness	\$315,320	\$0	\$0
39	2017-09-02-39	HE/University of Delaware	Paving The Way For Fractions	\$974,141	\$0	\$0
40	2017-09-02-40	HE/University of Delaware	Sampler Archive Project:Phase 3	\$275,590	\$0	\$0
41	2017-09-02-41	HE/University of Delaware	Collaborative Research: Studying Government Accountability and Responsiveness with Big Data on Citizen-Government Interactions	\$329,095	\$0	\$0

42	2017-09-02-42	HE/University of Delaware	Service Agreement Between University of Delaware and Charles County Department of Health	\$0	\$0	\$5,000
43	2017-09-02-43	HE/University of Delaware	Service Agreement Between University of Delaware and Wright County Health and Human Services	\$0	\$0	\$2,315
44	2017-09-02-44	HE/University of Delaware	Service Agreement Between University of Delaware and University of Oklahoma	\$0	\$0	\$10,000
45	2017-09-02-45	HE/University of Delaware	Collaborative Research: In Depth metabolic and Spatial Analysis of Deep Branching Archaea in the Costa Rica Margin	\$148,415	\$0	\$0
46	2017-09-02-46	HE/University of Delaware	Growing Equity in Urban Food Forests	\$265,218	\$0	\$0
47	2017-09-02-47	HE/University of Delaware	MCAO FY 17-18 Salary and Benefits - Provencal	\$0	\$0	\$117,397
48	2017-09-02-48	HE/University of Delaware	RII Track 1: Water Security in Delaware's Changing Coastal Environment	\$16,388,622	\$0	\$0
49	2017-09-02-49	HE/University of Delaware	Doctoral Dissertation Research: Examining the Reciprocal Effects of Stemflow and Corticular Bacterial Communities and Their Differences Within Urban and Rural Forests	\$11,465	\$0	\$0
50	2017-09-02-50	HE/University of Delaware	Collaborative Research: Sediment Geochemical Control on Ocean Acidification and Carbon Budget in a River Dominated Shelf System	\$92,122	\$0	\$0
51	2017-09-02-51	HE/University of Delaware	Delaware Foundation for Science and Mathematics Education (DFSME)/NSF DRK-12 HIEBERT/LITKE	\$0	\$0	\$318,610
52	2017-09-02-52	HE/University of Delaware	Intel Light-Weight but Accurate Online Threat Detection Through a System-wide Analysis of HPCs	\$0	\$0	\$203,081
53	2017-09-02-53	HE/University of Delaware	Memories of Robot-Assisted Motor Learning and Brain Function	\$0	\$0	\$231,482
54	2017-09-02-54	HE/University of Delaware	Dare to be Tough: How Does Silicon Impact Corn Defenses Against Rootivorous Insects and Plant Resilience to Water Stress	\$247,603	\$0	\$0
55	2017-09-02-55	HE/University of Delaware	Ocular Antenna Systems for Multi-Functional, Software-Defined Arrays	\$1,923,080	\$0	\$0
56	2017-09-02-56	HE/University of Delaware	Optimizing Strength in Fused Deposition Modeling to Make Next Generation Materials	\$18,179	\$0	\$0
57	2017-09-02-57	HE/University of Delaware	Exposing Dark Matter of Cancer using HPC and Deep Learning	\$0	\$0	\$136,453
58	2017-09-02-58	HE/University of Delaware	REU Site: Dare to BE FIRST - Biomechanical Engineering Foundations in Impactful Research, Science & Technology	\$355,686	\$0	\$0
59	2017-09-02-59	HE/University of Delaware	REU Site: Summer REU Program in Marine Science at the University of Delaware	\$337,773	\$0	\$0

60	2017-09-02-60	HE/University of Delaware	Propose and Plan SCASS for the Year, Including Meetings and Policy Papers Following Each Meeting	\$0	\$0	\$28,346
61	2017-09-02-61	HE/University of Delaware	Research, Engage, Succeed (RES): Intensive Summer Graduate Program in Interdisciplinary Disaster Science	\$366,608	\$0	\$0
62	2017-09-02-62	HE/University of Delaware	Fetal Alcohol Spectrum Disorders - Solution for Help using Anonymous Alcohol Assistance and Referral through Effective Education (FASD-SHARE)	\$291,312	\$0	\$0
63	2017-09-02-63	HE/University of Delaware	Collaborative Research: Efficient Estimation and Inference in Quantile Regression Through Envelope Models	\$123,332	\$0	\$0
64	2017-09-02-64	HE/University of Delaware	Generating Lithium Ion 'Super-Highways' in Nanostructured Polymer Electrolytes	\$0	\$0	\$96,154
65	2017-09-02-65	HE/University of Delaware	The Expanded Food and Nutrition Education Program FY18	\$309,352	\$0	\$0
66	2017-09-02-66	HE/University of Delaware	Renewable Resources Extension Act Program FY18	\$46,448	\$0	\$0
67	2017-09-02-67	HE/University of Delaware	Low Voltage Power Sources for Long Lifetime Electronics	\$0	\$0	\$166,667
68	2017-09-02-68	HE/University of Delaware	Vestibular Function and Balance During Walking Following Soccer Heading	\$0	\$0	\$25,436
69	2017-09-02-69	HE/University of Delaware	Delaware Hatch (Regular Fund) FY 18	\$1,128,815	\$0	\$0
70	2017-09-02-70	HE/University of Delaware	USDA Hatch Multistate Appropriations FY2018	\$499,282	\$0	\$0
71	2017-09-02-71	HE/University of Delaware	McIntire-Stennis Cooperative Forestry Research Program 2018	\$137,512	\$0	\$0
72	2017-09-02-72	HE/University of Delaware	Smith Lever FY18	\$1,347,213	\$0	\$0
73	2017-09-02-73	HE/University of Delaware	Biochemistry and Biophysics of Capsid Function in HIV-1 Infection	\$0	\$0	\$68,463
74	2017-09-02-74	HE/University of Delaware	Enhanced Evaporative Flux to Remediate Brine-Contaminated Soil	\$0	\$0	\$30,000
75	2017-09-02-75	HE/University of Delaware	PADE Serviam Girls Academy 17/18 Partner Organization	\$0	\$0	\$14,000
76	2017-09-02-76	HE/University of Delaware	Functional Microbiome Approaches to Understand the Impact of the Soil Microbiome on Preventing Rice Blast	\$1,072,782	\$0	\$0
77	2017-09-02-77	HE/University of Delaware	Improving Bird-Air Strike Risk Assessment Using Weather Surveillance Radar Observations of Migrating Birds	\$0	\$0	\$74,996

78	2017-09-02-78	HE/University of Delaware	Kinetic Range Turbulence in the Solar Wind: Three-Dimensional Particle-in-Cell Simulations	\$0	\$0	\$153,846
79	2017-09-02-79	HE/University of Delaware	PADE TED x 17/18 Partner Organization	\$0	\$0	\$12,000
80	2017-09-02-80	HE/University of Delaware	DANFORTH/NSF PGRP RNAs Caplan	\$0	\$0	\$502,228
81	2017-09-02-81	HE/University of Delaware	Collaborative Research: The Impact of Seagrass Beds on Vibrio Vulnificus and Harmful Algal Bloom Interactions	\$0	\$0	\$26,482
82	2017-09-02-82	HE/University of Delaware	PADE The Nature Conservancy Partner Organization 17/18	\$0	\$0	\$14,000
83	2017-09-02-83	HE/University of Delaware	Assessment of Coastal Marsh Restoration on Wintering Dabbling Duck Energetic Carrying Capacity for Strategic Habitat Management and Resiliency	\$0	\$0	\$119,276
84	2017-09-02-84	HE/University of Delaware	Modulation and Evasion of Host Immunity by Beneficial Rhizospheric Microbes	\$809,416	\$0	\$0
85	2017-09-02-85	HE/University of Delaware	Detecting the Conspecific: Are Female Fall Armyworm Moths Exploiting Plant Volatiles to Avoid Progeny Competition	\$155,241	\$0	\$0
86	2017-09-02-86	HE/University of Delaware	Reaching Racial/Ethnic Minority Communities to Support Healthy Lifestyle Change: Virtual World Training for Community Health Workers	\$330,274	\$0	\$0
87	2017-09-02-87	HE/University of Delaware	Development of a Multi-Grid, Two-Layer Boussines Model System to Facilitate Large-Scale Computations for Ship-Wakes, Surface Waves and Their Effects on Coastal Erosion	\$94,786	\$0	\$0
88	2017-09-02-88	HE/University of Delaware	Effects of Meteoric Water on Lead Release from Organometal Halide Perovskite Solar Materials	\$0	\$0	\$120,000
89	2017-09-02-89	HE/University of Delaware	Bridge Decks: Mitigation of Shrinkage Cracking Phase III	\$0	\$0	\$73,153
90	2017-09-02-90	HE/University of Delaware	Plasmodesmata and Chloroplasts in Integrative Defense Signaling	\$535,504	\$0	\$0
91	2017-09-02-91	HE/University of Delaware	Control Degradation of SPT by Dynamic Ubiquitination as an AD Therapeutic	\$0	\$0	\$746,379
92	2017-09-02-92	HE/University of Delaware	Semantic Literature Annotation and Integrative Panomics Analysis for PTM-Disease Knowledge Network Discovery	\$237,458	\$0	\$0
93	2017-09-02-93	HE/University of Delaware	Collaborative Research: Impact of evaporation and Waves on Groundwater Dynamics in Tidally Influenced Beaches	\$177,749	\$0	\$0
94	2017-09-02-94	HE/University of Delaware	CES-RWJF Culture of Health	\$0	\$0	\$243,093
95	2017-09-02-95	HE/University of Delaware	Dental Year 5	\$0	\$0	\$93,573

96	2017-09-02-96	HE/University of Delaware	PADE Partnership for DE Estuary 17/18 Partner Organization	\$0	\$0	\$16,000
97	2017-09-02-97	HE/University of Delaware	Collaborative Research: Paving the Way for Fractions: Identifying Foundational Concepts in First Grade	\$842,014	\$0	\$0
98	2017-09-02-98	HE/University of Delaware	Identifying Musculoskeletal System Interactions with Ankle-foot Orthoses to Ultimately Augment Soldier Performance	\$27,086	\$0	\$0
99	2017-09-02-99	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	\$40,910	\$0	\$0
100	2017-09-03-01	HE/University of Delaware	Reducing Stormwater Runoff and Pollutant Loading with Biochar Addition to Highway Greenways	\$0	\$14,000	\$64,554
101	2017-09-03-02	HE/University of Delaware	PADE Delaware Technical and Community College 17/18 Partner Organization	\$0	\$0	\$16,000
102	2017-09-03-03	HE/University of Delaware	Elucidating Amino Acid Metabolism in CHO Cells	\$0	\$0	\$67,500
103	2017-09-03-04	HE/University of Delaware	PADE Wilmington Renaissance Corp 17/18 Partner Organization	\$0	\$0	\$16,000
104	2017-09-03-05	HE/University of Delaware	PADE Philanthropy Delaware 17/18 Partner Organization	\$0	\$0	\$12,000
105	2017-09-03-06	HE/University of Delaware	SCH: INT: Collaborative Research: Smart Wearable Systems to Support and Measure Movement in Children With and Without Mobility Impairments	\$362,612	\$0	\$0
106	2017-09-03-07	HE/University of Delaware	Ship Operations NOAA Whale Survey Cruise 2017 Swallow	\$181,800	\$0	\$0
107	2017-09-03-08	HE/University of Delaware	Measuring and Predicting the Natural and Enhanced Rate and Capacity of Abiotic Reduction of Munitions Constituents	\$242,507	\$0	\$0
108	2017-09-03-09	HE/University of Delaware	The Professional Development Center for Educators will Provide Site-Based Coaching to Teachers Implementing the Bookworms Curriculum	\$0	\$0	\$11,811
109	2017-09-03-10	HE/Delaware State University	Should I Stay or Leave STEM? The Impact of STEMMap: A STEM Apprenticeship Program for Underrepresented Minority Students at HBCUs to Lift up Motivation, Develop STEM Identity and Career Goals	\$49,836	\$0	\$0
110	2017-09-03-11	HE/Delaware State University	Sensors and Infra-red Materials for Photodetection (SIMPLe)	\$599,227	\$0	\$0
111	2017-09-03-12	HE/Delaware State University	Molecular Mechanisms of Astrocyte Neuron Interactions in the Development of Synchronous Activity of Neuronal Networks	\$723,286	\$0	\$0
112	2017-09-03-13	HE/Delaware State University	Ultrasensitive Detection and High Resolution Spectral Profiles of Volatile Organic Compounds in Exhaled Human Breath for Early Detection of Lung Cancer	\$118,026	\$0	\$0
113	2017-09-03-14	HE/Delaware State University	Instructional practices, proficiency assessment and language development in dual-language immersion classrooms: A longitudinal study	\$256,121	\$0	\$0

114	2017-09-03-15	HE/Delaware State University	Water Security in Delaware's Changing Coastal Environment	\$5,771,375	\$0	\$0
115	2017-09-03-16	HE/Delaware State University	AG Discovery (2017)	\$54,084	\$0	\$0
116	2017-09-03-17	HE/Delaware State University	Stimulating Scientific Curiosity and Creativity in STEM Research	\$4,375	\$0	\$0
117	2017-09-03-18	HE/Delaware State University	Demonstration of Edible Oil Production from Algal Biomass	\$327,409	\$0	\$0
118	2017-09-03-19	HE/Delaware State University	Compositional Programming of Nanostructured Semiconductor Materials Toward Designed Optoelectronic Properties	\$590,032	\$0	\$0
119	2017-07-01-01 Amendment	HE/Delaware State University	Delaware State University INBRE III	\$329,983	\$0	\$0

**Delaware State Clearinghouse Committee
October Amended Agenda**

October 31, 2017

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
New Business*									
1	3413	Executive, Criminal Justice, Criminal Justice Council	Victims of Crime Act - Victims Assistance	\$5,798,653	\$0	\$1,377,180	2.30	0.00	0.00
2	3347	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Elder Justice Innovation Grant	\$701,286	\$237,843	\$0	0.00	1.82	0.00
3	3365	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities, Administration/Community Services	Lifespan Respite Advancing Systems	\$571,841	\$191,335	\$0	0.00	0.00	0.00
4	3331	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Little Creek Boating Access Facility	\$1,333,990	\$452,959	\$0	0.00	0.28	0.00
5	3345	Delaware Technical Community College	Owens Campus Automotive Center of Excellence	\$2,991,389	\$0	\$0	0.00	0.00	0.00
6	2017-08-31-01	Department of Education	High Quality Early Learning Opportunities	\$0	\$0	\$500,000	0.00	0.00	0.00
Continued									
7	3142	Executive, Criminal Justice, Criminal Justice Council	Title II - Formula Block Grant	\$393,873	\$39,387	\$0	0.50	0.25	0.00
8	3427	Executive, Criminal Justice, Criminal Justice Council	Edward Byrne Memorial Justice Assistance Grant	\$859,011	\$70,481	\$0	0.80	0.00	0.00
9	3371	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients and Providers Act	\$38,089	\$0	\$0	0.00	0.00	0.00
10	3358	Department of State, Historical and Cultural Affairs, Office of the Director	Maritime Heritage Grant	\$263,288	\$0	\$0	0.00	0.00	0.00
11	3359	Department of State, Historical and Cultural Affairs, Office of the Director	Historic Preservation Grant-in-Aid	\$534,706	\$344,757	\$0	5.40	3.80	0.00
12	2740 Amendment	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities	Title III, Part B - Supportive Services	\$50,139	\$0	\$0	0.00	0.00	0.00
13	3176 Amendment	Department of Health and Social Services, Public Health, Community Health	Delaware Prescription Drug Overdose Prevention	\$759,815	\$0	\$0	0.00	0.00	0.00
14	3370	Department of Health and Social Services, Public Health, Community Health	Tuberculosis Elimination Program	\$182,463	\$0	\$0	2.05	0.00	0.00
15	3380	Department of Health and Social Services, Child Support Enforcement	Child Support Enforcement Incentive	\$1,317,650	\$0	\$0	22.00	0.00	0.00
16	3381	Department of Health and Social Services, Public Health, Community Health	Clinical Laboratory Improvement Amendments	\$38,707	\$0	\$0	0.60	0.00	0.00
17	3385	Department of Health and Social Services, Visually Impaired, Visually Impaired Services	Supported Employment Services	\$42,000	\$2,333	\$0	0.00	0.00	0.00
18	3296	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Aquatic Resources Education	\$390,000	\$77,500	\$52,500	2.00	0.70	0.00
19	3326	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Aquatic Vegetation Program	\$124,401	\$41,467	\$0	0.47	0.49	0.00
20	3340	Department of Natural Resources and Environmental Control, Office of the Secretary, Environmental Finance	Drinking Water State Revolving Fund	\$8,241,000	\$1,648,200	\$0	21.35	3.15	0.00

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

21	2646 Amendment	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Public Assistance - Major Disaster Declaration - Winter Storm Jonas	\$1,925,235	\$247,009	\$394,736	0.00	0.00	0.00
22	3268	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Vocational Rehabilitation Services	\$12,076,795	\$3,268,561	\$0	74.40	0.00	0.00
23	3272	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Supported Employment Services	\$258,000	\$22,875	\$0	0.00	0.00	0.00
24	3284	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Independent Living Services	\$305,350	\$33,928	\$0	1.00	0.00	0.00
25	3405	Department of Labor, Division of Industrial Affairs, Occupational Safety and Health Administration/Bureau of Labor Statistics	Occupational Safety and Health Statistics	\$77,000	\$77,000	\$0	1.00	1.00	0.00
26	3431	Department of Labor, Administration, Office of Occupational and Labor Market Information	Labor Market Information	\$528,500	\$0	\$0	6.50	0.00	0.00
27	3434	Department of Labor, Administration, Office of Occupational and Labor Market Information	Workforce Information Grant	\$300,334	\$0	\$0	1.50	0.00	0.00
28	3436	Department of Labor, Employment and Training, Employment and Training Services	Disabled Veterans' Outreach Program	\$499,545	\$0	\$0	6.00	0.00	0.00
29	3438	Department of Labor, Employment and Training, Employment and Training Services	Work Opportunity Tax Credit	\$66,000	\$0	\$0	1.00	0.00	0.00
30	3439	Department of Labor, Employment and Training, Employment and Training Services	Labor Certification for Foreign Workers	\$104,573	\$0	\$0	1.00	0.00	0.00
31	3407	Department of Agriculture, Food Products Inspection	Cross Utilization	\$259,410	\$0	\$0	3.75	0.00	0.00
32	3410	Department of Agriculture, Food Products Inspection	Cooperative Meat Inspection	\$287,742	\$287,741	\$0	2.76	2.76	0.00

Higher Education

1	2017-10-07-01	HE/Delaware State University	Get FRUVED	\$3,000	\$0	\$0			
2	2017-10-07-02	HE/Delaware State University	The use of Clam-Derived Coproducts as Functional Ingredients in Aquafeeds	\$22,488	\$0	\$0			
3	2017-10-07-03	HE/Delaware State University	Strengthening Resistance to Potato Virus Y via Dissection of Host Factors and Characterization of tasiRNA - Induced Broad Spectrum Resistance	\$1,089,307	\$0	\$54,269			
4	2017-10-07-04	HE/Delaware State University	Expanded Food & Nutrition Education program	\$102,906	\$0	\$0			
5	2017-10-07-05	HE/Delaware State University	Evaluating hyperthermophilic archaeal genes for enhancing crop heat resilience	\$99,998	\$0	\$0			
6	2017-10-07-06	HE/Delaware State University	An Integrated Transcriptomic & Epigenomic Approach to Understand White Mold Resistance in Legumes	\$883,878	\$0	\$0			
7	2017-10-07-07	HE/Delaware State University	Biochemical, Molecular and Ecophysiological Responses Due to Environmental Stresses in Urban Forest Tree Species	\$91,673	\$0	\$183,346			
8	2017-10-07-08	HE/Delaware State University	The Delaware Institutional Research and Academic Career Development Award	\$202,079	\$0	\$0			
9	2017-10-07-09	HE/Delaware State University	Agricultural Research at 1890 Land Grant Institution/ DSU	\$1,246,578	\$0	\$1,246,578			

10	2017-10-07-10	HE/Delaware State University	Experiential Problem Based Immersion in Chemistry	\$534,289	\$0	\$0
11	2017-10-07-11	HE/Delaware State University	ACCEL: Delaware Clinical and Translational Research Center	\$1,852,302	\$0	\$0
12	2017-10-07-12	HE/Delaware State University	Repurposing Bicyclol for the treatment of TDP-43 Proteinopathies in Frontotemporal Dementia	\$157,866	\$0	\$0
13	2017-10-07-13	HE/Delaware State University	The Hive Supports!	\$7,500	\$0	\$0
14	2017-10-07-14	HE/Delaware State University	Transferring the Entire Metabolic Pathway of Artemisinin Biosynthesis from Sweet Wormwood (<i>Artemisia Annua</i>), to Cassava (<i>Manihot Esculenta Crantz</i>)	\$100,000	\$0	\$0
15	2017-10-07-15	HE/Delaware State University	Clam Processing Coproducts as Aquafeed Ingredients	\$59,521	\$0	\$59,587
16	2017-10-07-16	HE/Delaware State University	Combo Test with Wide Working Range for the Diagnosis of Immune Mediated and Parasitic Diseases in Dogs	\$49,348	\$0	\$0
17	2017-10-07-17	HE/Delaware State University	Wall Street 101	\$25,000	\$0	\$0
18	2017-10-07-18	HE/Delaware State University	Health Fund Application	\$95,600	\$0	\$0
19	2017-10-07-19	HE/Delaware State University	HBCU - Strengthening	\$2,755,736	\$0	\$0
20	2017-10-07-20	HE/University of Delaware	A Systems-Based Approach to Promote Smoking Cessation and Improved Dietary Intake in Food Pantry Recipients	\$0	\$0	\$13,393
21	2017-10-07-21	HE/University of Delaware	Cellular Cytomechanics Regulates Mechanotransduction and Habituation	\$422,924	\$0	\$0
22	2017-10-07-22	HE/University of Delaware	Evidence of Cryptic Replication in Dolutegravir Intensification Data	\$100,000	\$0	\$0
23	2017-10-07-23	HE/University of Delaware	Parkinson Council - Hauenstein	\$0	\$0	\$62,760
24	2017-10-07-24	HE/University of Delaware	Humanity United Better Buying	\$0	\$0	\$194,540
25	2017-10-07-25	HE/University of Delaware	Characterizing Coronal Structure and the Young Solar Wind	\$410,538	\$0	\$0
26	2017-10-07-26	HE/University of Delaware	Investigation of Energy Cascade and Intermittency at Ion and Sub-ion Scales in the Solar Wind	\$373,678	\$0	\$0
27	2017-10-07-27	HE/University of Delaware	Mechanisms of Cell Shape Changes in Cancer and Metastasis	\$0	\$0	\$401,750
28	2017-10-07-28	HE/University of Delaware	Connecting Hydrology, Biology, and Geochemistry in a Coastal Wetland: Feedbacks Between Ecosystem Processes Toward Predictive Understanding	\$260,324	\$0	\$0

29	2017-10-07-29	HE/University of Delaware	CY2017 ONR Ship Support Supplemental	\$31,875	\$0	\$0
30	2017-10-07-30	HE/University of Delaware	Assist in Rearing Wood-Boring Insects Such as Emerald Ash Borers and Asian Longhorned Borers and Their Natural enemies.	\$13,636	\$0	\$0
31	2017-10-07-31	HE/University of Delaware	Collaborative Research: Coastal Bluff Erosion and Recession under a Changing Climate	\$135,287	\$0	\$0
32	2017-10-07-32	HE/University of Delaware	Lung and Breast Cancer Prevention by an Integrated Intervention of Maternal Smoking Cessation and Breastfeeding	\$0	\$0	\$35,510
33	2017-10-07-33	HE/University of Delaware	Nano-Scale Vacuum Photo-Detectors for High-Speed, High-Photo-Current Applications	\$531,579	\$0	\$0
34	2017-10-07-34	HE/University of Delaware	Subconcussion and Vestibular Dysfunction	\$0	\$0	\$150,000
35	2017-10-07-35	HE/University of Delaware	Archeological Research And Remote Sensing Operations Conducted on the Sunken Military Craft USS San Diego	\$19,455	\$0	\$0
36	2017-10-07-36	HE/University of Delaware	Automated Formation of Teams with an Efficient and Robust Network of Extensively Conscious Unmanned Systems (After Next USS)	\$341,487	\$0	\$0
37	2017-10-07-37	HE/University of Delaware	Dannagal Young - Political Satire as the Fox News of the Left	\$0	\$0	\$2,070
38	2017-10-07-38	HE/University of Delaware	Public Allies FY18 National Support	\$0	\$0	\$323,456
39	2017-10-07-39	HE/University of Delaware	Collaborative Research: Degradation-Conscious Control of PEM Fuel Cell Through a New Understanding of Membrane Degradation	\$0	\$0	\$276,777
40	2017-10-07-40	HE/University of Delaware	Evaluation of Natal Origin and Migratory Pathways of Atlantic Bluefin Tuna (Thunnus Thynnus) Using Chemical Tracers	\$0	\$0	\$2,635
41	2017-10-07-41	HE/University of Delaware	The Russian Revolutionary Moment 1917 Symposium	\$0	\$0	\$2,720
42	2017-10-07-42	HE/University of Delaware	Future of Nursing Scholars 2018	\$0	\$0	\$149,999
43	2017-10-07-43	HE/University of Delaware	Probabilistic Modeling of Liquid Composite Molding Processes	\$243,229	\$0	\$0
44	2017-10-07-44	HE/University of Delaware	Collaborative Research: A Modeling Framework to Assess and Mitigate Coastal Hazards from Windstorms and Tsunamis, Including erosion and Debris Effects	\$304,186	\$0	\$0
45	2017-10-07-45	HE/University of Delaware	Collaborative Research: Degradation-Conscious Control of PEM Fuel Cell Through a New Understanding of Membrane Degradation	\$276,777	\$0	\$0
46	2017-10-07-46	HE/University of Delaware	Comparing Consumers in Israel with U.S. Consumers	\$0	\$0	\$163,223
47	2017-10-07-47	HE/University of Delaware	DHHS/CDC HFAC School Survey	\$16,944	\$0	\$0

48	2017-10-07-48	HE/University of Delaware	The Extremity Trauma Toolbox: Establishing Reliability and Validity of a Standardized Toolbox of Rehabilitation Outcomes Measures in Military Service Members	\$1,496,044	\$0	\$0
49	2017-10-07-49	HE/University of Delaware	Architecture and Protocols for SD-MANET: Software-Defined Mobile Ad-Hoc Networks	\$333,726	\$0	\$0
50	2017-10-07-50	HE/University of Delaware	Collaborative Research: Experimentally Validated Multi-Scale Design Optimization under Uncertainty of Electrode Materials to Minimize Self-Discharge of Electrochemical Capacitors	\$238,423	\$0	\$0
51	2017-10-07-51	HE/University of Delaware	4-H National Mentoring Program (NMP8)	\$0	\$0	\$181,476
52	2017-10-07-52	HE/University of Delaware	Graduate Level Traineeship Program in Direct Digital Layered Manufacturing	\$1,743,866	\$0	\$0
53	2017-10-07-53	HE/University of Delaware	Humanism and the Premedical Realm: An exercise in graphic medical education	\$0	\$0	\$4,000
54	2017-10-07-54	HE/University of Delaware	Practice Defaults and Enrollment in the Conservation Reserve Program	\$90,000	\$0	\$0
55	2017-10-07-55	HE/University of Delaware	Decentralized Optimal Coordinated Motion of Autonomous Systems	\$0	\$0	\$80,000
56	2017-10-07-56	HE/University of Delaware	The Neurobiology of Language Recovery in Aphasia: Optimizing dysgraphia treatment outcomes	\$0	\$0	\$50,710
57	2017-10-07-57	HE/University of Delaware	RUI: Investigation of Carrier Recombination Processes in III-V DWELL Nanostructures	\$0	\$0	\$102,022
58	2017-10-07-58	HE/University of Delaware	Educational Affiliation and Biomedical Services	\$0	\$0	\$28,208
59	2017-10-07-59	HE/University of Delaware	Applying Biochar as Roadway Soil Amendment in New Castle County, DE	\$0	\$0	\$34,164
60	2017-10-07-60	HE/University of Delaware	Knowledge is Power:Exploiting Knowledge Graph in eCommerce Search	\$0	\$0	\$80,000
61	2017-10-07-61	HE/University of Delaware	Collaborative: A RAPID Response to Hurricane Harvey's Impacts on Coastal Oxygen, Carbon and Nutrient Cycling, Metabolic Balance and Ocean Acidification	\$31,979	\$0	\$0
62	2017-10-07-62	HE/University of Delaware	Additive Manufacture of Novel Separation Membranes for Pharmalogical Uses	\$256,396	\$0	\$0
63	2017-10-07-63	HE/University of Delaware	Isolating the Mechanisms of Heat Transport at Interfaces Using Heteroepitaxial Systems	\$389,471	\$0	\$0
64	2017-10-07-64	HE/University of Delaware	Cognitive SLAM	\$349,517	\$0	\$0
65	2017-10-07-65	HE/University of Delaware	Lagrangian Transport Analysis: Leveraging Models and Observations	\$641,016	\$0	\$0
66	2017-10-07-66	HE/University of Delaware	Biomechanical and Biochemical Markers of Post-Tramatic Osteorthritis After ACL Reconstruction	\$494,454	\$0	\$0

67	2017-10-07-67	HE/University of Delaware	Sloan Research Fellowship Law 2018	\$0	\$0	\$65,000
68	2017-10-07-68	HE/University of Delaware	Cu-Catalyzed Azide-Alkyne Reactions for Novel Dental Composite Materials	\$0	\$0	\$93,573
69	2017-10-07-69	HE/University of Delaware	The Role of Socialization in Latino and Asian Americans' Academic Achievement and Psychological Well-being: Evidences from Add Health	\$0	\$0	\$34,999
70	2017-10-07-70	HE/University of Delaware	Nemours/ DHSS Asthma	\$0	\$0	\$1,203
71	2017-10-07-71	HE/University of Delaware	Fin Tunneling Field Effect Transistors and Circuits for Low Power Applications and RF Applications	\$339,158	\$0	\$0
72	2017-10-07-72	HE/University of Delaware	2018 Military 4-H Partnership Youth Camps	\$0	\$0	\$20,455
73	2017-10-07-73	HE/University of Delaware	NIH DE IRACDA Post-Doctorate Training FOX KOH	\$2,884,962	\$0	\$0
74	2017-10-07-74	HE/University of Delaware	RAPID Multiscale Modeling Infrastructure (RAPID-M2I)	\$0	\$1,632,309	\$1,456,084
75	2017-10-07-75	HE/University of Delaware	Microwave Scale-out Technology	\$0	\$1,676,680	\$1,909,411
76	2017-10-07-76	HE/University of Delaware	Efficient Chemicals Production via Chemical Looping	\$0	\$1,282,232	\$832,646
77	2017-10-07-77	HE/University of Delaware	Process Intensification for Bio-Paraxylene (BIOPX)	\$0	\$1,011,954	\$877,709
78	2017-10-07-78	HE/University of Delaware	CO2 Electrolysis Process for Commodity Chemical Production	\$0	\$1,026,575	\$975,399
79	2017-10-07-79	HE/University of Delaware	Electrochemical Gas Separation and Inerting System (EGSIS)	\$0	\$197,456	\$578,964
80	2017-10-07-80	HE/University of Delaware	Engineering Particle-Lung Interactions to Improve Pulmonary Therapeutics	\$0	\$0	\$130,000
81	2017-10-07-81	HE/University of Delaware	Developing Water Electrolyzers for Grid-Scale Integration of Renewable Energy and the Sustainable Production of Hydrogen	\$0	\$0	\$128,205
82	2017-10-07-82	HE/University of Delaware	Parenting Plus EBPB	\$0	\$0	\$90,909
83	2017-10-07-83	HE/University of Delaware	USDA APHIS EPDR BENSON/LADMN 18	\$355,642	\$0	\$0
84	2017-10-07-84	HE/University of Delaware	Mechanistic Interrogation of the Interfacial Dynamics of Bismuth-Based Electrocatalysts for Reduction of CO2	\$41,259	\$0	\$0
85	2017-10-07-85	HE/University of Delaware	Collaborative Research: North Atlantic Subtropical Gyre Geometry During the Mid Pleistocene Transition	\$134,459	\$0	\$0

86	2017-10-07-86	HE/University of Delaware	EAGER: Collaborative Research: How Do Marine Microbes and Organic Matter in Hurricane Rainwater Impact Coastal Carbon Cycling?	\$51,340	\$0	\$0
87	2017-10-07-87	HE/University of Delaware	DDX3 Regulates Cranial Neural Crest Induction by Activation fo Akt	\$0	\$0	\$977
88	2017-10-07-88	HE/University of Delaware	The Interplay of Microbiome, Genotype, and Disease in the Eastern Oyster	\$0	\$0	\$1,000
89	2017-10-07-89	HE/University of Delaware	Targeting of Endocytic Recycling Pathways by the Intracellular Pathogen L. Pneumophila	\$0	\$0	\$874
90	2017-10-07-90	HE/University of Delaware	Novel Consequences of Threats to Belonging on Appetite Regulation and Food Intake	\$1,837,075	\$0	\$0
91	2017-10-07-91	HE/University of Delaware	Engineering Surface Mediated Thermo/Electro-Catalytic Reactions for A Sustainable Future	\$0	\$0	\$65,000
92	2017-10-07-92	HE/University of Delaware	Heating and Acceleration of the Solar Corona and Solar Wind: Effects of Turbulence Transport, Eddy Viscosity, and Turbulent Resistivity	\$465,481	\$0	\$0
93	2017-10-07-93	HE/University of Delaware	Collaborative Research: Barrier Island Hydrodynamics and Morphodynamics DURING an Extreme Event	\$203,285	\$0	\$0
94	2017-10-07-94	HE/University of Delaware	Mechanisms Regulating Inflammation After Cataract Surgery	\$0	\$0	\$2,392
95	2017-10-07-95	HE/University of Delaware	Development of Injectable Hydrogels for Automated 3D High-Throughput drug Discovery	\$0	\$0	\$130,407
96	2017-10-07-96	HE/University of Delaware	Delaware Clinical and Translational Research ACCEL Program	\$17,000,169	\$0	\$0
97	2017-10-07-97	HE/University of Delaware	Intercomparison Between Gas Mapping Lidar and Tracer Correlation Methods for Landfill Methane Emissions Quantification	\$0	\$0	\$72,642
98	2017-10-07-98	HE/University of Delaware	Effects of Nanoscale Reinforcement on the Wear of Compressor Solid Lubricants	\$0	\$0	\$8,974
99	2017-10-07-99	HE/University of Delaware	PADE East Side Community Learning Center Foundation 17/18 Partner Organization	\$0	\$0	\$12,000
100	2017-10-08-01	HE/University of Delaware	III: Medium: Collaborative Research: Integrating Cognitive Learning into the Full Knowledge Life-cycle of Personalized Social, Dietary, and Medical Data	\$520,788	\$0	\$0
101	2017-10-08-02	HE/University of Delaware	The Role of Tubulin-β6 in Congenital Cataracts/Microphthalmia	\$0	\$0	\$2,352
102	2017-10-08-03	HE/University of Delaware	PADE Jewish Family Services of DE 17/18 Partner Organization	\$0	\$0	\$16,000
103	2017-10-08-04	HE/University of Delaware	UD-PIR: Protein Information Resource at University of Delaware	\$0	\$0	\$27,241
104	2017-10-08-05	HE/University of Delaware	A Data Transcoding Toolkit and Spatiotemporal Listening Environment for the Creative and Scientific Exploration of Emerging Sonification Interactions with Deep Ocean Microbial Ecology (soniDOME)	\$0	\$0	\$19,000

105	2017-10-08-06	HE/University of Delaware	Neurobiological Mechanisms Via Which Traumatic Stress Leads to Nicotine Dependence	\$1,025,000	\$0	\$0
106	2017-10-08-07	HE/University of Delaware	Dunbar After School Learning Program	\$0	\$0	\$6,545
107	2017-10-08-08	HE/University of Delaware	Brain MR Elastography in Athletes with Repeated, Subconcussive Head Impacts	\$97,623	\$0	\$0
108	2017-10-08-09	HE/University of Delaware	Anisotropic Inversion of Multi-Excitation Brain MR Elastography Data	\$26,247	\$0	\$0
109	2017-10-08-10	HE/University of Delaware	Keeping CKD Patients at Home: Applying Machine Learning Methods to Reduce Hospitalizations	\$0	\$0	\$316,885
110	2017-10-08-11	HE/University of Delaware	Studies on Biology and Natural Enemies of Spotted Lantern Fly	\$2,789	\$0	\$0
111	2017-10-08-12	HE/University of Delaware	Harnessing Autonomy for Countering Cyber-adversary Systems	\$0	\$0	\$675,620
112	2017-10-08-13	HE/University of Delaware	Metal Catalyzed Methods for the Preparation of Organosilanes and Related Reactions	\$446,283	\$0	\$0
113	2017-10-08-14	HE/University of Delaware	SHF:Medium:Collaborative Research:Fine-Grain Multithreading through Hardware/Software Co-Design	\$416,601	\$0	\$0
114	2017-10-08-15	HE/University of Delaware	Structural Changes to Thalamus in an Animal Modal of Fetal Alcohol Spectrum Disorders	\$0	\$0	\$1,000
115	2017-10-08-16	HE/University of Delaware	Investigating a Novel Interaction Between the Legionella Protein AnkX and the Human Nuclear Protein PLEKHN1	\$0	\$0	\$945
116	2017-10-08-17	HE/University of Delaware	Illuminating Cellular Trafficking Pathways Using a Pathogen-derived Lipid Probe	\$0	\$0	\$999
117	2017-10-08-18	HE/University of Delaware	Simons Spectral and Semidefinite Programming Techniques in Combinatorics	\$0	\$0	\$44,521
118	2017-10-08-19	HE/University of Delaware	Mechanism and Function of TMEM14 Proteins in Vertebrate Heme Synthesis	\$439,500	\$0	\$0
119	2017-10-08-20	HE/University of Delaware	PADE TED x 17/18 Partner Organization	\$0	\$0	\$12,000
120	2017-10-08-21	HE/University of Delaware	Captured Ammonia from AFO Scrubbers Promotes Nutrient Recycling Using Hix-Nano P-Recovery Technology	\$0	\$0	\$12,328
121	2017-10-08-22	HE/University of Delaware	PADE The Nature Conservancy Partner Organization 17/18	\$0	\$0	\$14,000
122	2017-10-08-23	HE/University of Delaware	Ecological Restoration of Fishers Island	\$0	\$0	\$14,828
123	2017-10-08-24	HE/University of Delaware	Iowa/Army TCESA Engineering Change Proposal 11/17 Kiamilev	\$0	\$0	\$60,728

124	2017-10-08-25	HE/University of Delaware	Synthetic Methyloctrophy to Liquid Fuel	\$1,996,238	\$0	\$0
125	2017-10-08-26	HE/University of Delaware	CDS/ARMY Executive Office for Simulation Training and Implementation. HDILED RESEARCH. Kiamilev	\$0	\$0	\$270,125
126	2017-10-08-27	HE/University of Delaware	CDS/ARMY Executive Office for Simulation, Training and Implementation HDILED SERVICE Kiamilev	\$0	\$0	\$307,348
127	2017-10-08-28	HE/University of Delaware	N-SPACE Sensors	\$0	\$0	\$5,000
128	2017-10-08-29	HE/University of Delaware	Vaccine Efficacy Comparison of CVI988 Vaccines	\$0	\$0	\$32,482
129	2017-10-08-30	HE/University of Delaware	Acquisition of Goods and Services: USDA ARS RSA WISSER 17	\$20,797	\$0	\$0
130	2017-10-08-31	HE/University of Delaware	Mechanistic Interrogation of the Interfacial Dynamics of Bismuth-Based Electrocatalysts for Reduction of CO2	\$41,259	\$0	\$0
131	2017-10-08-32	HE/University of Delaware	Nerissa Brown appointment as Academic Fellow to SEC 8/1/2017 - 7/31/2018	\$300,711	\$0	\$0
132	2017-10-08-33	HE/University of Delaware	NSF Polynomial Forms From Projective Planes	\$214,652	\$0	\$0
133	2017-10-08-34	HE/University of Delaware	Edge Optimization: Distributed Machine Learning for Internet of Things	\$0	\$0	\$39,364
134	2017-10-08-35	HE/University of Delaware	Molecular Characterization of TCF7 in Mouse Lens Development	\$0	\$0	\$2,500
135	2017-10-08-36	HE/University of Delaware	Ion Channel Regulation by Heterogeneous Membranes	\$0	\$0	\$211,068
136	2017-10-08-37	HE/University of Delaware	System for Drug Delivery Based on Near IR Photocatalytic Activation of Bioorthogonal Chemistry	\$2,298,626	\$0	\$0
137	2017-10-08-38	HE/University of Delaware	Annual Renewal of the Beneficial Insect Lab 18	\$15,454	\$0	\$0
138	2017-10-08-39	HE/University of Delaware	PDCE Coaching Services in Laurel SD Elementary Schools for Math and Literacy Specific Planning and Instruction.	\$0	\$0	\$3,823
139	2017-10-08-40	HE/University of Delaware	MSNR-Health: Multi-Spectrum Near-Remote sensor for plant health diagnostics	\$0	\$0	\$21,276
140	2017-10-08-41	HE/University of Delaware	NSF Applications of Graph Limits to Spatial and Near Spatial Graphs	\$123,546	\$0	\$0
141	2017-10-08-42	HE/University of Delaware	NSF Algebraic and Combinatorial Techniques in Positivity Preserver Problems	\$100,402	\$0	\$0
142	2017-10-08-43	HE/University of Delaware	NSF Asymptotic Properties of Random Permutations	\$51,704	\$0	\$0

143	2017-10-08-44	HE/University of Delaware	Investigation of protein-partners of the cataract-linked RNA binding protein Celf1	\$0	\$0	\$2,500
144	2017-10-08-45	HE/University of Delaware	Biomaterials to Improve Outcomes After Vascular Surgery	\$0	\$0	\$593,838
145	2017-10-08-46	HE/University of Delaware	Implementation of an Advanced Traction Force Microscopy Platform to Investigate the Roles of Cytoskeletal Tension and Force Transmission on Cell Behavior	\$1,250,000	\$0	\$0
146	2017-10-08-47	HE/University of Delaware	Decentralized Control for Coordinated Behavior of Networked Autonomous Systems	\$641,026	\$0	\$0
147	2017-10-08-48	HE/University of Delaware	Cigarette Smoking-Associated Changes on Platelet Biology	\$0	\$0	\$97,951
148	2017-10-08-49	HE/University of Delaware	Laurel /DDOE Reimagine High School	\$0	\$0	\$3,823
149	2017-10-08-50	HE/University of Delaware	Renewal of Delaware Center for Neuroscience Research	\$0	\$0	\$3,967,051
150	2017-10-08-51	HE/University of Delaware	Enhanced Evaporative Flux to Remediate Brine-Contaminated Soil	\$0	\$0	\$30,000
151	2017-10-08-52	HE/University of Delaware	Habitat Vulnerability Assessment for Wintering Lesser scaup Energetic Carrying Capacity in Two Major Estuaries: Chesapeake Bay and San Francisco Bay in the Face of Impending Water Quality Changes	\$0	\$0	\$206,835
152	2017-10-08-53	HE/University of Delaware	Manipulating Mechanical Loading Following ACL Reconstruction to Mitigate PTOA Development	\$0	\$0	\$145,718
153	2017-10-08-54	HE/University of Delaware	Decoding the Non-Canonical Polyubiquitin Chains Using Chemical Approaches	\$1,250,000	\$0	\$0
154	2017-10-08-55	HE/University of Delaware	In-field Detection of Plant Diseases on Fruit and Vegetable Crops Using Hand-Held Spectrometers	\$0	\$0	\$16,313
155	2017-10-08-56	HE/University of Delaware	PADE FAME 17/18 Partner Organization	\$0	\$0	\$14,000
156	2017-10-08-57	HE/University of Delaware	The Molecular Mechanisms of Topoisomerase II in Meiosis	\$0	\$0	\$660,000
157	2017-10-08-58	HE/University of Delaware	BioSLIM: Biocuration with Sequence and Literature Mining	\$0	\$0	\$27,171
158	2017-10-08-59	HE/University of Delaware	Service Agreement Between University of Delaware and Alamance Country Community Response Program	\$0	\$0	\$3,000

**Delaware State Clearinghouse Committee
November Agenda**

November 27, 2017

Item	SA#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
New Business*									
1	3450	Executive, Criminal Justice, Criminal Justice Council	Justice and Mental Health Collaboration	\$73,336	\$0	\$60,794	0.00	0.00	0.00
2	3423	Department of Health and Social Services, Public Health, Community Health	Integrated HIV/AIDS Core Surveillance and Prevention	\$1,419,606	\$0	\$0	6.85	0.00	0.00
3	3444	Department of Health and Social Services, Administration, Management Services	Supplemental Nutrition Assistance Program Integrity Education Grant	\$272,727	\$0	\$0	0.00	0.00	0.00
4	2017-09-29-01	Department of Health and Social Services, Administration, Office of the Secretary	National Academy for State Health Policy - State Drug Spending and Pricing	\$0	\$9,957	\$95,688	0.00	0.10	0.00
5	3426	Department of Natural Resources and Environmental Control, Fish and Wildlife Service	Delaware Bayshore Land Acquisition for Red Knot	\$2,169,000	\$80,000	\$982,600	0.00	0.00	0.00
6	2017-08-31-01	Department of Education	High Quality Early Learning Opportunities	\$0	\$0	\$500,000	0.00	0.00	0.00
Continued									
7	3449	Executive, Criminal Justice, Criminal Justice Council	Family Violence Prevention and Services Act	\$802,852	\$10,080	\$190,677	0.50	0.10	0.00
8	2017-09-12-01	Department of State, Regulation and Licensing, Public Service Commission	Natural Gas Pipeline Safety Base Grant	\$66,011	\$212,966	\$0	0.50	2.05	0.00
9	3409	Department of Health and Social Services, Public Health, Community Health	Improving Sexually Transmitted Disease Programs through Assessment, Assurance, Policy Development and Prevention Strategies	\$364,412	\$0	\$0	3.00	0.00	0.00
10	3415	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
11	3417	Department of Health and Social Services, Public Health, Community Health	State Systems Development Initiative	\$500,000	\$0	\$0	0.00	0.00	0.00
12	3435	Department of Health and Social Services, State Service Centers	AmeriCorps State Administrative Grant for Delaware Commission on Community and Volunteer Service	\$250,000	\$250,000	\$0	2.75	1.25	0.00
13	3437	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program - Nutrition Education	\$1,076,476	\$0	\$0	0.00	0.00	0.00
14	3448	Department of Health and Social Services, State Service Centers	Foster Grandparent Program	\$521,472	\$771,804	\$0	0.50	5.50	0.00
15	3454	Department of Health and Social Services, Visually Impaired, Visually Impaired Services	Vocational Rehabilitation - Blind (Basic Support)	\$1,500,257	\$400,462	\$0	18.00	5.00	0.00
16	3411	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Fisheries Management Assistance	\$525,411	\$1,576	\$0	1.42	0.00	0.00
17	3412	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Tidal Freshwater Fisheries Management	\$77,388	\$25,796	\$0	0.70	0.01	0.00
18	3418	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Atlantic Flyway Canada Goose Cooperative Research and Survey Program	\$66,381	\$22,127	\$0	0.00	0.00	0.00
19	3419	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Raptor Monitoring and Management	\$63,000	\$21,000	\$0	0.00	0.07	0.00
20	3420	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Phragmites Control on Private and Public Lands	\$168,750	\$56,250	\$0	0.00	0.25	0.00

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

21	3429	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Anadromous Species Investigations	\$447,960	\$149,320	\$0	2.57	0.24	0.00
22	2855 Amendment	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Artificial Reef Program	\$348,000	\$66,000	\$50,000	0.42	0.00	0.00
23	3441	Department of Transportation, Planning	Statewide Continuous Aviation System Planning	\$94,499	\$10,501	\$0	0.00	0.00	0.00
24	3422	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey	\$29,580	\$0	\$0	0.10	0.00	0.00
25	3424	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey - Fire Ant Survey	\$9,400	\$0	\$0	0.05	0.00	0.00
26	3425	Department of Agriculture, Plant Industries	Cooperative Agricultural Pest Survey - Infrastructure	\$72,069	\$0	\$0	0.85	0.00	0.00
27	3447	Fire Prevention Commission, State Fire School	National Fire Academy Training	\$20,060	\$0	\$0	0.00	0.00	0.00
28	2827 Amendment	Delaware National Guard	Army National Guard Operations and Maintenance Agreement	\$2,661,450	\$0	\$0	0.00	0.00	0.00
29	3432	Department of Education	Head Start Collaboration	\$125,000	\$25,000	\$0	0.75	0.00	0.00
30	2940 Amendment	Department of Education	Early Head Start Expansion	\$885,856	\$0	\$221,465	0.00	0.00	0.00

Higher Education

1	2014-05-31-05 Amendment	HE/Delaware State University	Historically Black Graduate Institutions Program (HBGI)	\$2,499,539	\$0	\$0			
2	2016-06-04-89 Amendment	HE/Delaware State University	University Center for Economic Development and International Trade (UCEDIT)	\$234,887	\$0	\$0			
3	2017-03-04-96 Amendment	HE/Delaware State University	Intergovernmental Personnel Act	\$96,396	\$0	\$0			
4	2017-11-04-01	HE/Delaware State University	Delaware INBRE III/ DSU - STATE 17-18	\$200,000	\$0	\$0			
5	2017-11-04-02	HE/Delaware State University	Healthy Hornets Fitness Trail: Installation of Outdoor Equipment	\$20,000	\$0	\$13,200			
6	2017-11-04-03	HE/Delaware State University	GEOPATHS-EXTRA: Collaboration Links to Ocean Science and Earth Science Graduate Academic Programs (CLOSES-GAP)	\$30,068	\$0	\$0			
7	2017-11-04-04	HE/Delaware State University	Theoretical Study of Basic Atomic Processes in an Ultracold Rydberg Gas	\$195,973	\$0	\$0			
8	2017-11-04-05	HE/Delaware State University	Theory and Experiment on Distinguishing SRBS from SBS	\$200,658	\$0	\$0			
9	2017-11-04-06	HE/Delaware State University	Ternary Chalcogenide Nanostructures with Tunable Bandgap for Renewable Energy Application	\$229,660	\$0	\$0			
10	2017-11-04-07	HE/Delaware State University	Research On the Science and Engineering of Signatures (ROSES) - Year 4	\$195,000	\$0	\$0			
11	2017-11-04-08	HE/Delaware State University	Greater Philadelphia Region LSAMP Bridge to Doctorate (Cohort XVI)	\$1,056,000	\$0	\$0			

12	2017-11-04-09	HE/Delaware State University	Genetic Composition and Timing of Spawning of Gulf Sturgeon in the Choctawhatchee River, AL/FL	\$192,773	\$0	\$0
13	2017-11-04-10	HE/Delaware State University	Estimation of Atlantic Sturgeon Spring Spawning Runs in the Delaware and Hudson Rivers	\$880,814	\$0	\$0
14	2017-11-04-11	HE/Delaware State University	Delaware Sea Grant Omnibus	\$180,000	\$0	\$0
15	2017-11-04-12	HE/Delaware State University	Graduate Education in Materials (GEMS)	\$75,000	\$0	\$0
16	2017-11-04-13	HE/Delaware State University	Characterization of Gastrointestinal Nematode Anthelmintic Resistance on Small Ruminant Farms in Delaware	\$14,974	\$0	\$0
17	2017-11-04-14	HE/Delaware State University	Breath-Sense 3-D Bio-Printed Optical Microcavity for Miniature Sensors and Human Health Monitoring	\$336,007	\$0	\$0
18	2017-11-04-15	HE/Delaware State University	Waste Valorization and Food for Health: An Integrated Approach to Train Food Scientists to Meet National Needs	\$246,000	\$0	\$0
19	2017-11-04-16	HE/University of Delaware	Engaging Underserved Families In Prevention Plus to Treat Childhood Obesity in Primary Care	\$0	\$0	\$83,730
20	2017-11-04-17	HE/University of Delaware	The Collection and Coding and Nutritional Survey Data for the Healthy Aging in Neighborhoods of Diversity across the Life Span (HANDLS) Study	\$95,160	\$0	\$0
21	2017-11-04-18	HE/University of Delaware	Mitochondria Function in Chronic Kidney Disease Patients with Heart Failure with Preserved Ejection Fraction	\$681,105	\$0	\$0
22	2017-11-04-19	HE/University of Delaware	HyperGel An injectable formulation for the treatment of vocal fold scarring	\$2,113,174	\$0	\$0
23	2017-11-04-20	HE/University of Delaware	Synthetic Toehold-Gated dCas9 Regulators for Biosynthesis of Plant-Based Aromatic Polyketides	\$1,965,229	\$0	\$0
24	2017-11-04-21	HE/University of Delaware	High-Speed Localization with Minimal Sensing	\$320,513	\$0	\$0
25	2017-11-04-22	HE/University of Delaware	Lipidomic Diversity and Clustering of Ras GPases	\$0	\$0	\$39,063
26	2017-11-04-23	HE/University of Delaware	Foxe3 and Downstream Gene Regulatory Networks in Lens Development in Zebrafish	\$0	\$0	\$85,546
27	2017-11-04-24	HE/University of Delaware	Darpa Young Faculty Award	\$875,000	\$0	\$0
28	2017-11-04-25	HE/University of Delaware	PADE Delaware Technical and Community College 17/18 Partner Organization	\$0	\$0	\$16,000
29	2017-11-04-26	HE/University of Delaware	Delivery of 10.5 days of service to Yonkers Public Schools employees using instructional rounds for approximately 39 participants.	\$0	\$0	\$29,566
30	2017-11-04-27	HE/University of Delaware	Thermophysical Property Characterization of Decomposing Aerospace Materials	\$0	\$0	\$148,077

31	2017-11-04-28	HE/University of Delaware	Range-Wide Phylogeography and Conservation Genetics of Snow Leopards in High Asia	\$0	\$0	\$40,000
32	2017-11-04-29	HE/University of Delaware	An fNIRS-Based Study of Neural Biomarkers of Interpersonal Synchrony in Children With and Without Autism Spectrum Disorder	\$498,639	\$0	\$0
33	2017-11-04-30	HE/University of Delaware	M1 (73) Back-passage Safety Study	\$0	\$0	\$9,319
34	2017-11-04-31	HE/University of Delaware	DeLUX/ARMY Multi-material Additive Manufacturing of RF Electronics, Phase 2 SBIR, Mirotznik	\$0	\$0	\$77,298
35	2017-11-04-32	HE/University of Delaware	DeLUX Engineering/Army, STTR Phase 1, Additive Manufacture of Chemical Sensors, Mirotznik	\$0	\$0	\$51,431
36	2017-11-04-33	HE/University of Delaware	Genomic Sequence and Analysis of Plant Pathogenic Phytoplasmas and Spiroplasmas	\$21,820	\$0	\$0
37	2017-11-04-34	HE/University of Delaware	EMRE Microscale Studies	\$0	\$0	\$391,522
38	2017-11-04-35	HE/University of Delaware	NASA Space Grant College and Fellowship Program	\$487,480	\$0	\$0
39	2017-11-04-36	HE/University of Delaware	Transition Education & Careers in Computer Information Science & Engineering (TECCIE) A Collaboration between the University of Delaware and JPMorgan Chase	\$0	\$0	\$9,098,736
40	2017-11-04-37	HE/University of Delaware	The Mechanisms Underlying Posterior Casular Opacification	\$1,250,000	\$0	\$0
41	2017-11-04-38	HE/University of Delaware	Assessing the Ecological Effectiveness of Hurricane Sandy Marsh Restoration Activities Regionwide	\$2,224,571	\$0	\$0
42	2017-11-04-39	HE/University of Delaware	Efficient and Modular Methane Upgrading to Liquid Aromatics by Coupling Dehydroaromatization with Reactive Hydrogen Separation	\$213,313	\$0	\$0
43	2017-11-04-40	HE/University of Delaware	Building a Validation and Verification Suite for OpenMP 4.5	\$78,842	\$0	\$0
44	2017-11-04-41	HE/University of Delaware	Evaluation of Paraspinal Muscle Injury and Recovery After Posterior Lumbar Fusion Surgery	\$42,942	\$0	\$0
45	2017-11-04-42	HE/University of Delaware	Long-Term Impact of Prenatal ZIKV Infection on Neurogenesis	\$275,000	\$0	\$0
46	2017-11-04-43	HE/University of Delaware	Improving Cold Weather Foam Depopulation Operation	\$0	\$0	\$59,545
47	2017-11-04-44	HE/University of Delaware	Biomechanics of Cartilage Pericellular Matrix: Roles in the Initiation of Osteoarthritis	\$0	\$0	\$120,222
48	2017-11-04-45	HE/University of Delaware	Enhanced Infrared Emission from Combined Quantum Dot/Metamaterial Devices	\$286,251	\$0	\$0
49	2017-11-04-46	HE/University of Delaware	Hybrid Bio-Nanoparticles to Target Hematopoietic Stem Cells	\$394,549	\$0	\$0

50	2017-11-04-47	HE/University of Delaware	The Influence of Multiple Interacting Primary Modes and Mode Representation on Hypersonic Boundary-Layer Stability and Transition Prediction	\$0	\$0	\$59,531
51	2017-11-04-48	HE/University of Delaware	Secure State Estimation under Resource Constraints for UAV Navigation	\$0	\$0	\$164,192
52	2017-11-04-49	HE/University of Delaware	Collaborative Proposal: Life on Clays: Evaluating Fe(II)-Smectites as Electron Donors on Early Earth and Other Planetary Bodies	\$0	\$0	\$235,744
53	2017-11-04-50	HE/University of Delaware	DDX3 REGULATES CRANIAL NEURAL CREST INDUCTION BY ACTIVATING AKT	\$0	\$0	\$26,844
54	2017-11-04-51	HE/University of Delaware	PR172087 Translating Metabolic Responses to Mechanical Insult into Early Interventions to Prevent PTOA	\$0	\$0	\$410,169
55	2017-11-04-52	HE/University of Delaware	A Cutting Edge Approach to Assessing Physical Activities Occurring on Sidewalks/Streets	\$275,000	\$0	\$0
56	2017-11-04-53	HE/University of Delaware	Chemogenetic Approaches for Enhancing Cartilage Tissue Engineering	\$274,999	\$0	\$0
57	2017-11-04-54	HE/University of Delaware	Control of Porphyrin Synthesis by CLPX: A Novel Regulatory Node in Erythroid Heme Synthesis	\$150,000	\$0	\$0
58	2017-11-04-55	HE/University of Delaware	Water Drops: Transforming Our Understanding of Interfacial Dynamics in Life Communities	\$0	\$0	\$93,920
59	2017-11-04-56	HE/University of Delaware	Collaborative Research: Understanding the Role of Particle-Turbulence Interaction in Sediment Transport - A Large-Eddy Simulation Eulerian Two-Phase Model Study	\$137,594	\$0	\$0
60	2017-11-04-57	HE/University of Delaware	Collaborative Research: SusChem: Direct Jet Fuels Production from Solvolthermolysis of Waste Triglycerides	\$86,067	\$0	\$0
61	2017-11-04-58	HE/University of Delaware	Detecting the Conspicific: Are Female Fall Armyworm Moths Exploiting Plant Volatiles to Avoid Progeny Competition?	\$0	\$0	\$269,173
62	2017-11-04-59	HE/University of Delaware	Humphrey Fellows in the Field of Public Policy and Public Administration	\$0	\$0	\$176,941
63	2017-11-04-60	HE/University of Delaware	Fetal Alcohol Spectrum Disorders - Screening and Surveillance Solution to Help Anonymously by Referral and Education (FASD-SHARE)	\$313,825	\$0	\$0
64	2017-11-04-61	HE/University of Delaware	Shear Stress-Mediated Mechanotransduction and Signaling in Megakaryopoiesis and Thrombopoiesis	\$275,004	\$0	\$0
65	2017-11-04-62	HE/University of Delaware	Methane Storage with Metal-Organic Polyhedra-Based Materials	\$0	\$0	\$110,000
66	2017-11-04-63	HE/University of Delaware	Collaborative Research: Dynamic Degradation of Proteins by Ubiquitination Provides a Novel Therapeutic for Controlling Elevated Protein Levels	\$200,811	\$0	\$0
67	2017-11-04-64	HE/University of Delaware	Collaborative: Design and Dynamic Characterization of Functional Molecular Networks on Nanostructured Semiconductors	\$313,118	\$0	\$0
68	2017-11-04-65	HE/University of Delaware	Solar-Driven Carbon Dioxide Utilization for Environmental Sustainability	\$328,172	\$0	\$0

69	2017-11-04-66	HE/University of Delaware	A Novel Microfluidic Platform for Exploring the Role of Biomechanical Forces in Thrombotic Particle Generation	\$394,956	\$0	\$0
70	2017-11-04-67	HE/University of Delaware	Viscoelasticity of Hippocampal Subfields	\$497,478	\$0	\$0
71	2017-11-04-68	HE/University of Delaware	Molecular and Mechanical Determinants of Mandible Shape	\$200,000	\$0	\$0
72	2017-11-04-69	HE/University of Delaware	Brain Functional Connectivity and Robot-Enhanced Motor Skill Learning	\$275,000	\$0	\$0
73	2017-11-04-70	HE/University of Delaware	Irex Mandela Washington Fellowship for Young African Leaders	\$0	\$0	\$121,361
74	2017-11-04-71	HE/University of Delaware	Systematic Studies of Metal Organic Framework (MOF) Growth in Mixed Matrix Membranes	\$40,000	\$0	\$0
75	2017-11-04-72	HE/University of Delaware	Neural Bases of Atypical Language Learning in Children with ASD: A Combined fMRI/MEG Study	\$0	\$0	\$48,427
76	2017-11-04-73	HE/University of Delaware	Understanding Tumor Growth Using Synthetic Cyctocompatible Thiol-yne Extracellular Matrices	\$0	\$0	\$5,745
77	2017-11-04-74	HE/University of Delaware	Distributed and Renewable Electrochemical Ammonia Production for Sustainable Agriculture	\$328,219	\$0	\$0
78	2017-11-04-75	HE/University of Delaware	NSF Finite Rank Perturbations and Model Theory	\$82,692	\$0	\$0
79	2017-11-04-76	HE/University of Delaware	Metal Nitride Thin Films for High Efficiency Electrochemical Ammonia Production	\$199,552	\$0	\$0
80	2017-11-04-77	HE/University of Delaware	Manufacturing USA: Biomufacturing of Cell Microparticles from Stem Cells As Novel Thrombotic Therapeutic Agents	\$394,745	\$0	\$0
81	2017-11-04-78	HE/University of Delaware	AFOSR A Highly Efficient Multi-Dimensional Semi-Lagrangian Discontinuours Galerkin Method for Vlasov Simulations	\$243,208	\$0	\$0
82	2017-11-04-79	HE/University of Delaware	Achilles Tendon and Knee Joint Loads During Running in Patients with achilles Tendinopathy	\$0	\$0	\$10,000
83	2017-11-04-80	HE/University of Delaware	Benefit Sharing Approaches in the Hydropower Sector and Global Lessons of Experience	\$0	\$0	\$93,700
84	2017-11-04-81	HE/University of Delaware	The eta Crucis Campaign	\$0	\$0	\$30,198
85	2017-11-04-82	HE/University of Delaware	Assessment of Bioavailability of a Rumen Protected Lysine Prototype Fed to Lactating Dairy Cows	\$0	\$0	\$56,201
86	2017-11-04-83	HE/University of Delaware	Randomized Control Trial for the Florida Organic Growers	\$0	\$0	\$25,491
87	2017-11-04-84	HE/University of Delaware	The Mobile Toolbox for Monitoring Cognitive Function	\$0	\$0	\$225,237

88	2017-11-04-85	HE/University of Delaware	Fate of Cadmium Under Engineered Physico-Chemical Gradients in the Soil-Water-Rice Nexus	\$176,043	\$0	\$0
89	2017-11-04-86	HE/University of Delaware	Protein-Engineered Nanostructures to Illuminate Tissue Transport and Cellular Processing	\$319,580	\$0	\$0
90	2017-11-04-87	HE/University of Delaware	Perceptual Learning and Memory Consolidation in Adults With and Without Language Impairment	\$300,000	\$0	\$0
91	2017-11-04-88	HE/University of Delaware	Statin for the Protection of Cartilage during Joint Inflammation	\$1,650,137	\$0	\$0
92	2017-11-04-89	HE/University of Delaware	Collaborative Research: Atomic-Scale Crystalline Hybrids, Tuning the IR Dielectric Function through Optic Phonon Hybridization	\$140,234	\$0	\$0
93	2017-11-04-90	HE/University of Delaware	Analysis of Large Scale Dense Gas Field Experiments	\$197,176	\$0	\$0
94	2017-11-04-91	HE/University of Delaware	A Hybrid Electrochemical-Thermochemical Looping Approach for Chemical Transformation	\$199,597	\$0	\$0
95	2017-11-04-92	HE/University of Delaware	Microrheological Approaches to Materialomics	\$208,859	\$0	\$0
96	2017-11-04-93	HE/University of Delaware	Collaborative Research: Predicting Current-Use Pesticides and Emerging Flame Retardants in a Changing Arctic - Fate and Phototransformation	\$107,572	\$0	\$0
97	2017-11-04-94	HE/University of Delaware	OP: Engineering Semiconductor Upconversion Nanoparticles for Controlled Deep-Tissue Release of Therapeutic Agents	\$397,589	\$0	\$0
98	2017-11-04-95	HE/University of Delaware	Development of a Thermodynamically Consistent Rheological Constitutive Equation for Thixotropic Suspensions Connecting Particle Properties to Thermodynamics and Rheology	\$204,392	\$0	\$0
99	2017-11-04-96	HE/University of Delaware	Exposure of Family Meals at Home on Dietary Intake and Family Functioning in Children: A Meta-Analysis	\$0	\$0	\$18,181
100	2017-11-04-97	HE/University of Delaware	PDCE Coaches Will Enhance the Understanding of Bookworms Curriculum so that Teachers Can Improve Implementation	\$0	\$0	\$7,874
101	2017-11-04-98	HE/University of Delaware	Getting Legume Cover Crops to Work in Mid-Atlantic Field Crop Rotations	\$0	\$0	\$48,994
102	2017-11-04-99	HE/University of Delaware	Optimization of Starter N Fertilizer Application for Corn Planted into a Cereal Rye Cover Crop	\$0	\$0	\$21,121
103	2017-11-05-01	HE/University of Delaware	PIC: Hybrid Integration of Electro-Optic and Semiconductor Photonic Devices and Circuits with the AIM Photonics Institute	\$305,256	\$0	\$0
104	2017-11-05-02	HE/University of Delaware	Directing Nanoparticle Self-assembly to Engineer Phononic Metamaterials	\$202,860	\$0	\$0
105	2017-11-05-03	HE/University of Delaware	Multi-Muscle Magnetic Resonance Elastography (MM-MRE): A New Technique to Study the Neuromuscular Control of Wrist Stiffness	\$274,032	\$0	\$0
106	2017-11-05-04	HE/University of Delaware	Integrating Cover Crops and Nutrient Management Strategies through an On-Farm Research Network on Delmarva	\$0	\$0	\$168,637

107	2017-11-05-05	HE/University of Delaware	Biophysical Properties of the HIV-1 Capsid and its Interactions with MxB	\$0	\$0	\$209,771
108	2017-11-05-06	HE/University of Delaware	Educational Affiliation and Biomedical Services	\$0	\$0	\$28,208
109	2017-11-05-07	HE/University of Delaware	US Students Participation of the 21st Course of IS CRA	\$10,000	\$0	\$0
110	2017-11-05-08	HE/University of Delaware	Fundamentals of Fluid-Structure Interactions in Transitional High-Speed Boundary Layers	\$402,830	\$0	\$0
111	2017-11-05-09	HE/University of Delaware	Optical and Electronic Properties of Hierarchia Electronic Properites fo Hierarchical Semiconducting Nano-Composites	\$291,539	\$0	\$0
112	2017-11-05-10	HE/University of Delaware	NSF ICORPS Tunnel FET-Based Transistor Logic for Ultra-Low-Power Applications, Zeng	\$45,000	\$0	\$0
113	2017-11-05-11	HE/University of Delaware	New Strategies to Combat Bacterial Pathogens	\$0	\$0	\$277,776
114	2017-11-05-12	HE/University of Delaware	UD Mechanical Regulation, Rehabilitation, and Intervention (MR2I) Program	\$6,891,996	\$0	\$0
115	2017-11-05-13	HE/University of Delaware	Spencer Small Dow	\$0	\$0	\$49,936
116	2017-11-05-14	HE/University of Delaware	Mellon Curatorial Track PHD Program - Part II	\$0	\$0	\$700,000
117	2017-11-05-15	HE/University of Delaware	Sinter-Resistant Bifunctional Zeolite Encapsulated Metal Nanoparticle Catalysts	\$0	\$0	\$110,000
118	2017-11-05-16	HE/University of Delaware	The Woodrow Wilson Fellowship: Bodies, Breast Milk and Banks in the NICU	\$0	\$0	\$30,000
119	2017-11-05-17	HE/University of Delaware	Cosmic-Ray Physics with IceCube: Proposal for Analysis of Data from IceCube Including IceTop	\$962,337	\$0	\$0
120	2017-11-05-18	HE/University of Delaware	Effects of Motor Training on Low Back Pain and Gait After Massive Weight Loss	\$86,538	\$0	\$0
121	2017-11-05-19	HE/University of Delaware	Carrier Dynamics of Nanostructured Graphene-Titania Herogeneous Photocatalysis	\$0	\$0	\$110,000
122	2017-11-05-20	HE/University of Delaware	Transgenerational Patterns of Altered Neural Processing Associated with PTSD in Rwanda	\$0	\$0	\$99,155
123	2017-11-05-21	HE/University of Delaware	Synthesis and Evaluation of Narrow-Spectrum Antibiotics Targeting MRSA	\$0	\$0	\$380,235
124	2017-11-05-22	HE/University of Delaware	Collaborative Research: 1.55 μ m Photoconductive Switches for Compact Generation and Detection of Terahertz	\$319,146	\$0	\$0
125	2017-11-05-23	HE/University of Delaware	Modeling Perineural Invasion Using a Bioorthogonally Integrated Hydrogel Platform	\$365,826	\$0	\$0

126	2017-11-05-24	HE/University of Delaware	In-Situ Studies of the Electrochemical Deposition of Functionalized Poly(thiophene) Copolymers	\$404,721	\$0	\$0
127	2017-11-05-25	HE/University of Delaware	The Effect of Silage Savor Plus on Fermentation and Aerobic Stability of Corn Silage After Short and Normal Periods of Ensiling	\$0	\$0	\$11,250
128	2017-11-05-26	HE/University of Delaware	Estimating Spring Atlantic Sturgeon Spawning Runs in the Delaware and Hudson Rivers	\$0	\$0	\$82,594
129	2017-11-05-27	HE/University of Delaware	IGE: Research, Engagement Success, (RES): Intensive Summer Graduate Program in Interdisciplinary Disaster Science	\$400,894	\$0	\$0
130	2017-11-05-28	HE/University of Delaware	Collaborative Research: Phytoplankton Evolution and Diversification of the Marine Biosphere	\$293,138	\$0	\$0
131	2017-11-05-29	HE/University of Delaware	Collaborative Research: Resilient Cogeneration Microgrid with Secured Software-Defined Time-Sensitive Networking	\$148,084	\$0	\$0
132	2017-11-05-30	HE/University of Delaware	Creating Functional Multidomain Proteins with Fast Bioorthogonal Chemistry	\$377,333	\$0	\$0
133	2017-11-05-31	HE/University of Delaware	Inter-Institute Graduate Education in Materials Science	\$357,657	\$0	\$0
134	2017-11-05-32	HE/University of Delaware	Anisotropic Spin Relaxation Induced by Rashba Effect	\$236,387	\$0	\$0
135	2017-11-05-33	HE/University of Delaware	Fiber-Reinforced Hydrogels Fabricated Via a Continuous Manufacturing Approach	\$278,050	\$0	\$0
136	2017-11-05-34	HE/University of Delaware	Understanding and Control of Spin Orbit Torque	\$342,090	\$0	\$0
137	2017-11-05-35	HE/University of Delaware	Office of Education - Student Support Services Program	\$554,869	\$0	\$0
138	2017-11-05-36	HE/University of Delaware	Targeting of Rab GTPases During Infection by Legionella Pneumophila	\$1,250,000	\$0	\$0
139	2017-11-05-37	HE/University of Delaware	Vaccine Efficacy Comparison of CVI988 Vaccines	\$0	\$0	\$32,482
140	2017-11-05-38	HE/University of Delaware	The Influence of Fitness and Physical Activity on the Neurovascular Actions of Dietary Salt	\$0	\$0	\$104,060
141	2017-11-05-39	HE/University of Delaware	Sympathetic Reactivity to Water Restriction in Young and Old Adults	\$0	\$0	\$53,688
142	2017-11-05-40	HE/University of Delaware	Further Studies Evaluating the Effect of Safesil on the Aerobic Stability of Silages	\$0	\$0	\$18,000
143	2017-11-05-41	HE/University of Delaware	Measuring the impact of healthy food marketing strategies in low income supermarkets to examine the ultimate impact on unhealthy food choices and overeating.	\$0	\$0	\$21,505
144	2017-11-05-42	HE/University of Delaware	Global Dynamics Approach to Gap Leaping and Loop Current Systems	\$213,651	\$0	\$0

145	2017-11-05-43	HE/University of Delaware	Collaborative Research: Designer Material Properties Through Linear Assemblies of Computationally Designed Peptides	\$426,268	\$0	\$0
146	2017-11-05-44	HE/University of Delaware	Theory, Growth and Characterization of InGaBiAs as a New Optoelectronic Material for Mid-Infrared Lasers	\$313,563	\$0	\$0
147	2017-11-05-45	HE/University of Delaware	Tuning Interfacial Alignment of Molecular States and Surface Electronic Properties for Electron Trapping	\$492,145	\$0	\$0
148	2017-11-05-46	HE/University of Delaware	SemiSynBio: Collaborative research: Biologically Enabled Hierarchical Self-Assembly of Nanoelectronic Circuits	\$248,888	\$0	\$0
149	2017-11-05-47	HE/University of Delaware	Grow, Lead, Succeed: Accelerating Academic and Professional Success for Underrepresented Pre-veterinary Students	\$200,000	\$0	\$0
150	2017-11-05-48	HE/University of Delaware	Reversible Functionalization of Hydrogels Via Light Activated Sorase A Ligation	\$328,454	\$0	\$0
151	2017-11-05-49	HE/University of Delaware	Time-Resolved X-Ray Diffraction of Irreversible Processes in Nanostructured Materials	\$443,924	\$0	\$0
152	2017-11-05-50	HE/University of Delaware	Multi-Scale Investigation of Metastable Phases in Sustainable Polymers	\$338,893	\$0	\$0
153	2017-11-05-51	HE/University of Delaware	Te Substitution in I-III-Se2 Photovoltaic Absorbers for Improved Crystallographic, Electronic, and Device Properties	\$227,041	\$0	\$0
154	2017-11-05-52	HE/University of Delaware	Supplemental funding request for Collaborative Approach to the Documentation of Endangered Languages in Indonesia	\$16,442	\$0	\$0
155	2017-11-05-53	HE/University of Delaware	Confirm and Understand Recent Changes of the CO2 System and Ocean Acidification in the Western Arctic Ocean via CHINARE 2018-2020 Cruises	\$439,532	\$0	\$0
156	2017-11-05-54	HE/University of Delaware	Collaborative: Impacts of Wind and Solar Photovoltaic (PV) Plants on Each Other	\$111,256	\$0	\$0
157	2017-11-05-55	HE/University of Delaware	Collaborative Research: Covalent Stabilization of Nonbiological Supramolecular Peptidic Structures	\$326,545	\$0	\$0
158	2017-11-05-56	HE/University of Delaware	Nontraditional Noncovalent Interactions in Protein Structure, Function, and Design	\$415,488	\$0	\$0
159	2017-11-05-57	HE/University of Delaware	Unagi-Based Fluorescent Protein Kinase Sensor	\$275,000	\$0	\$0
160	2017-11-05-58	HE/University of Delaware	Johnson & Johnson WiSTEM2D Fromen	\$0	\$0	\$150,000
161	2017-11-05-59	HE/University of Delaware	Phonological Literacy Intervention Developed to Work With Low-Cost Phones in Communities With High Poverty and Adversity, and Considerable Risk of Illiteracy	\$0	\$0	\$140,431
162	2017-11-05-60	HE/University of Delaware	PADE Kingswood Community Center 3 17/18 Partner Organization	\$0	\$0	\$4,965
163	2017-11-05-61	HE/University of Delaware	Social and Individual Behavioral Incentives for Smoking Cessation in Pregnant Methadone Patients	\$0	\$0	\$588,510

164	2017-11-05-62	HE/University of Delaware	PADE Year Up 17/18 Partner Organization	\$0	\$0	\$12,000
165	2017-11-05-63	HE/University of Delaware	Genocide: The Art of Survival, Remembrance, and Responsibility	\$0	\$0	\$1,000
166	2017-11-05-64	HE/University of Delaware	Theoretical and Computational Support for the PSP-ISOIS in Phase E	\$0	\$0	\$1,564,500
167	2017-11-05-65	HE/University of Delaware	Inundation Information Gateway	\$0	\$0	\$23,438
168	2017-11-05-66	HE/University of Delaware	Collaborative Research: Enhanced Wide Bandgap Absorbers for Tandem Solar Cells Via Operando Characterization and Deep Data Analytics	\$146,492	\$0	\$0
169	2017-11-05-67	HE/University of Delaware	OP: Developing a Framework for the Design and Synthesis of Efficient Semiconductor Upconversion Nanoparticles	\$300,735	\$0	\$0
170	2017-11-05-68	HE/University of Delaware	Mechanistic and Therapeutic Manipulations of Autophagy in Dystrophic Muscle	\$0	\$0	\$836,730
171	2017-11-05-69	HE/University of Delaware	To Help Facilitate an Improvement in Mathematics Education and Teacher Professional Development by Using Mathematical Modeling and Lesson Study	\$0	\$0	\$6,000
172	2017-11-05-70	HE/University of Delaware	The Russian Revolutionary Moment 1917 Symposium	\$0	\$0	\$2,720
173	2017-11-05-71	HE/University of Delaware	PADE Serviam Girls Academy 17/18 Partner Organization	\$0	\$0	\$14,000
174	2017-11-05-72	HE/University of Delaware	PADE Partnership for DE Estuary 17/18 Partner Organization	\$0	\$0	\$17,500
175	2017-11-05-73	HE/University of Delaware	NSF Integration of Heterojunction Bipolar Transistors and Resonant Tunneling Diode for Low Power Inverter and High Speed Circuit Applications	\$272,643	\$0	\$0
176	2017-11-05-74	HE/University of Delaware	Collaborative Research: Analog Coding for Underwater Acoustic Communications	\$267,615	\$0	\$0
177	2017-11-05-75	HE/University of Delaware	SemiSynBio: Virus Detection with a DNA Activated Nanowire Gate Field-Effect Transistor Based Nano Biosensor	\$434,797	\$0	\$0
178	2017-11-05-76	HE/University of Delaware	Xiamen University Confucius Institute	\$0	\$0	\$600,000
179	2017-11-05-77	HE/University of Delaware	PADE FAME 17/18 Partner Organization	\$0	\$0	\$14,000
180	2017-11-05-78	HE/University of Delaware	New Directions in Sufficient Dimension Reduction for Big Data Problems	\$281,487	\$0	\$0
181	2017-11-05-79	HE/University of Delaware	Collaborative Research: Bioresponsive Function in Self-Assembling Biomaterials	\$198,745	\$0	\$0
182	2017-11-05-80	HE/University of Delaware	NIH Chronic Low Back Pain in Older Adults: The Role of Co-Existing Hip Impairments	\$3,828,459	\$0	\$0

183	2017-11-05-81	HE/University of Delaware	Chemical Glycobiology of the Innate Immune System	\$0	\$0	\$150,000
184	2017-11-05-82	HE/University of Delaware	Advanced Compound Semiconductor Devices and Circuits for Low Power and High Speed Applications	\$0	\$0	\$150,000
185	2017-11-05-83	HE/University of Delaware	Developing and Testing a Convolutional Neural Network for Real-Time Detection of Scallops and Scallop Predators From Seabed Imagery	\$246,903	\$0	\$0
186	2017-11-05-84	HE/University of Delaware	The Effects of Motor Learning on Brain Functional Connectivity in Stroke	\$0	\$0	\$53,214
187	2017-11-05-85	HE/University of Delaware	Implementation of the AASHTO Guide for Enterprise Risk Management	\$0	\$0	\$66,098