

<b>FY 18 Engineering Awards</b>								
<b>FY 18 1st Quarter Awards - July 1, 2017 - September 30, 2017</b>								
<b>Award Notice Received</b>	<b>PI Name</b>	<b>Dept</b>	<b>Project Title</b>	<b>Agency</b>	<b>Total</b>	<b>Start Date</b>	<b>End Date</b>	
7/16/2018								
10/9/2017								
07/07/2017	O'Toole, Brendan	Ctr for Materials & Structures	Orion Process Control Coupon Testing - Task 2	Lockheed Martin Corporation-FPT	18,825	6/23/2017	8/30/2017	
07/17/2017	Wang, Zhiyong	Ctr for Materials & Structures	3D Printed Drill Plate Optimization - Task 6	Lockheed Martin Corporation-FPT	39,993	6/26/2017	12/31/2017	
08/21/2017	Co-PI O'Toole, Brendan Regentova, Emma	Ctr for Materials & Structures Elec & Comp Engineering	NASA Space Grant: Mission Possible: Development of Project-Based Teaching Modules for Communications, Networking and Air-and Space-born Data And signal Processing Using Reconfigurables and Programs	Nevada System of Higher Education	42,829	7/1/2017	4/28/2018	
07/25/2017	Co-PI Muthukumar, Venkatesan Co-PI Jiang, Yingtao Oh, Paul	Elec & Comp Engineering Elec & Comp Engineering Mechanical Engineering	INSPIRE: Mobile-Manipulating UAV's for Sensor Installation, Bridge Inspection and Maintenance (AS-1)	Missouri University of Science and Technology	76,563	3/1/2017	7/31/2018	
09/15/2017	Trabia, Mohamed	Dean, College of Engineering	A Broadening Participation in Engineering Workshop for Distance Learning Programs in STEM: Experiences, Challenges and Solutions	National Science Foundation	49,883	10/1/2017	9/30/2018	
07/13/2017	Co-PI Venkat, Rama Co-PI VanBeuge, Susan Stefik, Andy	Dean, College of Engineering School of Nursing Computer Science	ECR DCL Level 2: Perceptual and Implementation Strategies for Knowledge Acquisition of Digital Tactile Graphics for Blind and Visually Impaired Students	National Science Foundation	74,091	1/15/2017	12/31/2019	
07/13/2017	Zhan, Justin (Zhijun)	Computer Science	Establishing an Army Educational Outreach Program Site in Data Science and Engineering at University of Nevada, Las Vegas	Technology Student Association	13,333	6/1/2016	12/31/2017	
07/07/2017	O'Toole, Brendan	Ctr for Materials & Structures	Reduced Cost, Repeatable, Improved Property Washout Tooling for Composite Fabrication - Phase I	Nevada Composites Inc	21,000	5/11/2017	11/10/2017	
07/07/2017	O'Toole, Brendan	Ctr for Materials & Structures	NASA Space Grant: Solar Eclipse Near Space Exploration	Nevada System of Higher Education	5,328	5/1/2016	8/30/2017	
07/27/2017	Boehm, Robert	Center for Energy Research	2017 Nexus Special Projects Match - Year 3 Funds	NV System of Higher Education	23,600	6/1/2017	5/30/2018	
07/10/2017	Co-PI Batista, Jacimaria Wang, Zhiyong	Civil & Envirnmntl Eng & Const Mechanical Engineering	Mobile 3D Printing of Rail Track Surface for Rapid Repairment	Univer of Nevada, Las Vegas	67,059	7/1/2017	6/30/2018	
07/19/2017	Venkat, Rama	Dean, College of Engineering	UNLV-TBE Payload Development	Teledyne Brown Engineering, Inc- FPT	33,050	8/3/2015	9/30/2017	
07/01/2017	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga Boehm, Robert	School of Informatics Educ Psy & Higher Edu Dean, College of Fine Arts Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - UROP Scholarships (Diversity Plan) Task 7	NV System of Higher Education	7,157	7/1/2016	5/30/2018	
07/10/2017	Co-PI Batista, Jacimaria Choi, Jin Ouk	Civil & Envirnmntl Eng & Const Civil & Envirnmntl Eng & Const	High Speed Rail Access Charge for the XpressWest of Nevada	Univer of Nevada, Las Vegas	117,542	7/1/2017	6/30/2018	
07/07/2017	Co-PI Kaseko, Mohamed Co-PI Teng, Hualiang Zhan, Justin (Zhijun)	Transportation Research Center Civil & Envirnmntl Eng & Const Computer Science	Establishing a Reserve Education Assistance Program (REAP in Data Science and Engineering at University of Nevada, Las Vegas) Carrera and Paliskara	The Academy of Applied Science, Inc	5,000	1/1/2017	12/31/2017	
07/10/2017	Jiang, Yingtao	Elec & Comp Engineering	Development of a Platform to Enable Real Time, Non-Disruptive Testing and Early Fault Detection of Critical High Voltage Transformers and Switchgears in High Speed Rail	Univer of Nevada, Las Vegas	66,230	7/1/2017	6/30/2018	
07/10/2017	Sherman, Ryan	Civil & Envirnmntl Eng & Const	Developing Acoustic Technology to Detect Transverse Defects in Rail at High Speed (220 mph)	Univer of Nevada, Las Vegas	129,169	7/1/2017	6/30/2018	
08/28/2017	Co-PI Jiang, Yingtao Co-PI Tian, Ying Venkat, Rama	Elec & Comp Engineering Civil & Envirnmntl Eng & Const Dean, College of Engineering	Graduate Student Fellowships for Radiochemistry Ph.D. Program at the University of Nevada, Las Vegas	U.S. Department of Energy	7,500	7/1/2009	6/30/2022	
08/02/2017	Co-PI Culbreth, William Kim, Si Jung	Mechanical Engineering Dean, College of Engineering	A Design and Development of an Airship for Live Entertainment	Hanru Co., Ltd	13,400	7/10/2017	12/31/2017	
08/29/2017	Morris, Brendan	Elec & Comp Engineering	Person Recognition for Access Logging	Oak Ridge National Laboratory	20,000	3/6/2017	9/30/2017	
08/22/2017	Gerrity, Daniel	Civil & Envirnmntl Eng & Const	Optimization of Online Bromate Analyzer to Improve Sensitivity and Reliability - Task 2	Nevada Center of Excellence dba Waterstart	29,226	8/1/2017	3/31/2018	

08/01/2017	Sun, Ke-Xun	Elec & Comp Engineering	NA22 FOAS Project - Task 25	National Security Technologies	16,988	10/1/2016	3/31/2017	
09/20/2017	Stefik, Andy	Computer Science	ECR DCL Level 2: Perceptual and Implementation Strategies for Knowledge Acquisition of Digital Tactile Graphics for Blind and Visually Impaired Students	National Science Foundation	37,152	1/15/2017	12/31/2019	
09/12/2017	Ghafoori, Nader	Civil & Envirnmntl Eng & Const	Use of Nevada's Natural Pozzolan to Mitigate Alkali-Silicate Reactivity - Task 16	Univ. of Nevada, Reno	45,000	7/31/2017	7/31/2018	
09/12/2017	Paz-Cruz, Alexander	Transportation Research Center	Prototyping and Field Testing of a Demand-Responsive Rumble Strip Mechanism	Univ. of Nevada, Reno	46,654	7/31/2017	7/31/2018	
09/11/2017	Co-PI Trabia, Mohamed Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 2 - Nexus Research	EPSCoR/National Science Foundation	1,274,293	6/1/2013	5/31/2018	
09/11/2017	Co-PI Batista, Jacimaria Boehm, Robert	Civil & Envirnmntl Eng & Const Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 5 - Workforce Development/Education	EPSCoR/National Science Foundation	151,960	6/1/2013	5/31/2018	
09/11/2017	Co-PI Batista, Jacimaria Boehm, Robert	Civil & Envirnmntl Eng & Const Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 3 - Cyber Infrastructure Research	EPSCoR/National Science Foundation	1,440	6/1/2013	5/31/2018	
09/11/2017	Co-PI Batista, Jacimaria Boehm, Robert	Civil & Envirnmntl Eng & Const Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 4 - CI Plan	EPSCoR/National Science Foundation	7,200	6/1/2013	5/31/2018	
08/30/2017	Co-PI Batista, Jacimaria Hartmann, Thomas	Civil & Envirnmntl Eng & Const Mechanical Engineering	UNLV Tritium Measurement - Task 27	National Security Technologies	50,000	8/30/2017	10/31/2017	
08/23/2017	Baker, R. Jacob	Elec & Comp Engineering	Quantum Cryptography Detector Chip - Phase II	Freedom Photonics LLC/FPT	266,068	8/7/2017	8/6/2019	
09/21/2017	Venkat, Rama	Dean, College of Engineering	UNLV-TBE Payload Development	Teledyne Brown Engineering, Inc- FPT	22,733	8/3/2015	2/28/2018	
	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts						
<b>EGR: 32</b>					<b>Total 2,780,266</b>			
1/5/2018	<b>FY 18 - 2nd Quarter Awards</b>							
<b>Award Notice Received</b>	<b>PI Name</b>	<b>Dept</b>	<b>Project Title</b>	<b>Agency</b>	<b>Total</b>	<b>Start Date</b>	<b>End Date</b>	
10/16/2017	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Bench-Scale Testing for Unit 4 Source Area Bioremediation Treatability Study	Tetra Tech, Inc	277,000	9/27/2017	7/31/2018	
10/05/2017	Hartmann, Thomas	Mechanical Engineering	Microstructural Characterization of RERTR Fuel Plates	Idaho National Laboratory	30,000	9/9/2013	9/30/2018	
10/05/2017	Morris, Brendan	Elec & Comp Engineering	AF17A-T027: Target Tracking via Deep Learning	Toyon Research Corporation-FPT	58,598	9/7/2017	6/30/2018	
10/23/2017	Kim, Si Jung	Dean, College of Engineering	A Survey and Analysis of Animatronics and a Creation of Movie Clip of Tele-Animatronics for Hotel Concierge Based on a Customer Behavior Model	Korea Institute of Industrial Technology	53,773	7/1/2017	12/31/2017	
10/10/2017	Stefik, Andy	Computer Science	Collaborative Research: AccessCS for All: Including Students with Disabilities in at High School Computer Science	National Science Foundation	472,458	9/1/2017	8/31/2020	
10/18/2017	Moon, Jaeyun	Mechanical Engineering	Chlorinated Solvents Remediation Using Cost-Effective/Reusable Novel Nanomaterials: Lab Scale Approaches and Process Scaling-Up	Savannah River Nuclear Solutions, LLC - FPT	189,622	9/24/2017	9/25/2018	
10/05/2017	Kachroo, Pushkin	Transportation Research Center	Observational Seat Belt Use Survey FY 18	Nevada Office of Traffic Safety	89,968	10/5/2017	9/30/2018	
10/03/2017	Shrestha, Pramen	Civil & Envirnmntl Eng & Const	Legal Issues Relating to Large Scale Airport Construction Projects	Transportation Research Board	75,000	10/3/2017	10/3/2018	
10/18/2017	Kim, Kwang	Mechanical Engineering	Soft-Robots Housing Smart Preventive IR-Based Inspection System	Savannah River Nuclear Solutions, LLC - FPT	301,057	9/24/2017	9/25/2018	
12/07/2017	Co-PI Moon , Jaeyun Venkat, Rama	Mechanical Engineering Dean, College of Engineering	UNLV-TBE Payload Development	Teledyne Brown Engineering, Inc- FPT	7,535	10/1/2016	2/28/2018	
	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts						
12/07/2017	Boehm, Robert	Center for Energy Research	2017 Nexus UROP Scholarships & WFD	NV System of Higher Education	1,405	6/1/2017	5/30/2018	
12/14/2017	Co-PI Batista, Jacimaria Sun, Ke-Xun	Civil & Envirnmntl Eng & Const Elec & Comp Engineering	Neutron Radiation Hardness of GaN and Wide Bandgap Semiconductors - Task 29	Mission Support and Test Services, LLC	316,000	12/14/2017	9/30/2018	
12/21/2017	Baker, R. Jacob	Ctr Eng MatrIs Tech (EMITION)	ASIC - Transimpedance Amplifier (TIA) Integrated Circuit Design and Fabrication - Task 30	Mission Support and Test Services, LLC	100,436	12/21/2017	10/31/2018	

12/21/2017	Boehm, Robert	Center for Energy Research	2017 Nexus Special Projects Match Year 5	NV System of Higher Education	12,800	6/1/2017	5/30/2018
11/09/2017	Co-PI Batista, Jacimaria Venkat, Rama	Civil & Envirnmntl Eng & Const Dean, College of Engineering	UNLV-TBE Payload Development	Teledyne Brown Engineering, Inc- FPT	7,607	8/3/2015	2/28/2018
11/09/2017	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga Zhan, Justin (Zhijun)	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts Computer Science	Deep Learning for Bromate Ion (BrO3) Identification for Improving Water Quality	METAWATER	20,000	10/1/2017	2/28/2018
10/20/2017	Breen, Erin	Transportation Research Center	Vulnerable Road Users Project 2018	Nev. Office of Traffic Safety-State	125,000	10/1/2017	9/30/2018
10/26/2017	Barzilov, Alexander	Mechanical Engineering	Nuclear Engineering Fellowship Program at UNLV	Nuclear Regulatory Commission	40,000	9/30/2015	9/29/2019
11/06/2017	Teng, Hualiang	Civil & Envirnmntl Eng & Const	Tier 1 University Transportation Center on Rail Infrastructure (RailTeam)	U.S. Department of Transportation	1,416,900	12/6/2016	9/30/2022
10/19/2017	Barzilov, Alexander	Mechanical Engineering	Radiological Contamination Search and Mapping Using Unmanned Autonomous Systems with Plug and Play Interchangeable Components	Savannah River Nuclear Solutions, LLC - FPT	303,227	9/26/2016	9/26/2018
	Co-PI Yim, Woosoon	Mechanical Engineering					
<b>EGR: 20</b>					<b>Total 3,898,386</b>		
4/6/2018	<b>Awards</b>						
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02/01/2018	Paz-Cruz, Alexander	Transportation Research Center	Study of Advanced Mobility and Traffic Safety Technologies using a Virtual Reality and Motion-based Driving Simulation Environment	FACE Foundation	5,000	9/1/2017	8/31/2018
03/26/2018	Co-PI Copeland, David Co-PI Morris, Brendan Jo, Ju-Yeon	Psychology Elec & Comp Engineering Computer Science	GenCyber Summer Camp: Cybersecurity Summer Camp for High School Students in Southern Nevada	National Security Agency	99,991	3/26/2018	3/25/2019
02/12/2018	Co-PI Kim, Yoohwan	Computer Science	Partner Center for Advanced Studies in Water (PCASW) at the University	University of Utah	65,000	8/16/2016	12/31/2018
01/10/2018	Ahmad, Sajjad Venkat, Rama	Civil & Envirnmntl Eng & Const Dean, College of Engineering	UNLV-TBE Payload Development	Teledyne Brown Engineering, Inc- FPT	10,590	10/1/2016	2/28/2018
03/06/2018	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga Choi, Jin Ouk	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts Civil & Envirnmntl Eng & Const	Achieving Higher Levels of Standardized Facility Design in the Upstream, Midstream and Mining (UMM) Commodity Market (Phase 2)	University of Texas, Austin	122,673	5/1/2017	9/30/2019
01/04/2018	Gerrity, Daniel	Civil & Envirnmntl Eng & Const	BACTcontrol: On-line Quantification of E.coli in Drinking Water and Recycled Water Applications - Task 3	Nevada Center of Excellence dba Waterstart	20,000	12/28/2017	12/28/2018
01/23/2018	Sun, Ke-Xun	Elec & Comp Engineering	Precision Time and Frequency Transfer Technique - Task 31	National Security Technologies	231,000	1/23/2018	12/31/2018
03/05/2018	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Bench-Scale Evaluation to Support ZVI-Enhanced Bioremediation (Bio-ZVI) at Galleria drive (NERT) Site, Henderson, Nevada - Task 1	Ramboll US Corporation, a Virginia Corporation	244,635	2/15/2018	6/30/2019
02/05/2018	Bansal, Shubhra	Mechanical Engineering	Metastability and Long-Term Degradation in CIGS Devices: Effect of Alkali Treatments, Back Contact and Emitter Layers	U.S. Department of Energy	280,540	4/1/2017	3/31/2019
03/30/2018	James, David	Civil & Envirnmntl Eng & Const	Evaluation of Approaches to Determine Mixing and Assimilation of Reuse Effluent	U.S. Bureau of Reclamation	190,000	6/2/2017	9/30/2019
02/05/2018	Co-PI Stephen, Haroon Co-PI Hayes, Donald Co-PI Gerrity, Daniel Boehm, Robert	School of Pub Policy & Ldshp Civil & Envirnmntl Eng & Const Civil & Envirnmntl Eng & Const Center for Energy Research	2017 Nexus UROP Scholarships & WFD	NV System of Higher Education	10,000	6/1/2017	5/30/2018
02/08/2018	Co-PI Batista, Jacimaria Zhan, Justin (Zhijun)	Civil & Envirnmntl Eng & Const Computer Science	Establishing an Army Educational Outreach Program Site in Data Science and Engineering at University of Nevada, Las Vegas	Technology Student Association	36,756	6/1/2016	12/31/2018
03/08/2018	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc- FPT	7,046	10/1/2016	9/30/2018
03/26/2018	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga Boehm, Robert	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts Center for Energy Research	Regional Test Center Phase III	Sandia National Laboratories	80,550	3/14/2016	9/30/2018

02/08/2018	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc- FPT	8,701	8/3/2015	2/28/2018
03/02/2018	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga Kim, Kwang	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts Mechanical Engineering	Advanced Electroactive Polymer Actuators and Sensors for Aerospace Robotic Applications	EPSCoR/National Aeronautics & Space Administration	24,652	9/1/2013	8/31/2018
<b>EGR: 16</b>	Co-PI Yim, Woosoon Co-PI Lee, Dong-Chan	Mechanical Engineering Chemistry & Biochemistry			<b>Total 1,437,134</b>		
03/12/2018	Hardin, Andrew Co-PI O'Toole, Brendan Co-PI Kachroo, Pushkin	Mgmt, Entrepreneurship & Tech Mechanical Engineering Transportation Research Center	I-Corps Sites: UNLV Lean Entrepreneurship Advancement Program	National Science Foundation	94,240	1/15/2017	12/31/2018
7/6/2018	<b>FY 18 4th Quarter Awards</b>						
<b>Award Notice Received</b>	<b>PI Name</b>	<b>Dept</b>	<b>Project Title</b>	<b>Agency</b>	<b>Total</b>	<b>Start Date</b>	<b>End Date</b>
05/17/2018	Stefik, Andy	Computer Science	Collaborative Research: AccessCS for All: Including Students with Disabilities in at High School Computer Science	National Science Foundation	16,000	9/1/2017	8/31/2020
05/08/2018	Kim, Kwang	Mechanical Engineering	EAP Soft Micro-Sensor Array for Naval Applications	Office of Naval Research	128,132	4/1/2016	3/31/2019
05/25/2018	Stefik, Andy	Computer Science	ECR DCL Level 2: Perceptual and Implementation Strategies for Knowledge Acquisition of Digital Tactile Graphics for Blind and Visually Impaired Students	National Science Foundation	8,000	1/15/2017	12/31/2019
06/06/2018	Baker, R. Jacob	Elec & Comp Engineering	Geiger Mode SiGe Receiver for Long-Range Optical Communications	Freedom Photonics LLC/FPT	99,569	4/9/2018	4/8/2020
04/18/2018	Venkat, Rama	Dean, College of Engineering	UNLV- TBE Payload Development	Teledyne Brown Engineering, Inc- FPT	23,685	10/1/2016	9/30/2018
04/03/2018	Co-PI Nasoz, Fatma Co-PI Bernacki, Matthew Co-PI Watkins, Helga Sherman, Ryan	Computer Science Educ Psy & Higher Edu Dean, College of Fine Arts Civil & Envirnmntl Eng & Const	Sensor Evaluation for Structural Steel Fatigue Analysis - Task 1	Metal Fatigue Solutions, Inc	5,000	1/1/2018	6/30/2019
04/17/2018	Kim, Si Jung	Dean, College of Engineering	A Survey and Analysis of Animatronics and a Creation of Movie Clip of Tele-Animatronics for Hotel Concierge Based on a Customer Behavior Model	Korea Institute of Industrial Technology	52,895	7/1/2017	12/31/2018
04/30/2018	Boehm, Robert Co-PI Batista, Jacimaria	Center for Energy Research Civil & Envirnmntl Eng & Const	2017 Nexus UROP Scholarships & WFD	NV System of Higher Education	3,718	6/1/2017	11/30/2018
06/11/2018	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Diffusion Evaluation at the Athens Road Well Field, (NERT) Site, Henderson, Nevada	Ramboll US Corporation, a Virginia Corporation	75,335	6/8/2018	12/31/2018
05/03/2018	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - UROP Scholarships (Diversity Plan) Task 7	NV System of Higher Education	2,252	7/1/2016	5/30/2018
05/04/2018	Co-PI Batista, Jacimaria Hartmann, Thomas	Civil & Envirnmntl Eng & Const Mechanical Engineering	Joint Appointment Agreement with Idaho National Laboratory - Release 2	Battelle Energy Alliance, LLC	10,387	4/20/2018	9/30/2018
04/02/2018	Boehm, Robert	Center for Energy Research	Regional Test Center Phase III	Sandia National Laboratories	1,000	3/14/2016	3/31/2019
04/02/2018	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Galleria Road and Las Vegas Wash Areas: Bench Scale Investigations of In-situ Bioremediation Potential, NERT Site, Henderson, Nevada	Tetra Tech, Inc	166,880	3/29/2018	12/31/2018
06/11/2018	Khan, Eakalak	Civil & Envirnmntl Eng & Const	TARDEC Corrosion Prevention and Control, Vehicle Construction Materials and Sustainment Processes: Tasks C.3.1 and C.3.2	North Dakota State University	42,447	5/1/2018	1/31/2019
05/11/2018	Tian, Ying	Civil & Envirnmntl Eng & Const	Collaborative Research: Time-Dependent Response of Reinforced Concrete Buildings Near Collapse	National Science Foundation	225,798	7/1/2018	6/30/2021
06/22/2018	Harris, Sarah	Elec & Comp Engineering	INBRE: PG: Dynamic Intelligence for Control of a Foot-Ankle Prosthesis	University of Nevada, Reno	14,140	4/1/2018	3/31/2019
06/04/2018	Zhan, Justin (Zhijun)	Computer Science	Acquisition of a GPU Cluster for Network Science and Big Data Research and Education	U.S. Army Research Office	200,000	6/11/2018	6/10/2019
06/06/2018	O'Toole, Brendan	Ctr for Materials & Structures	Reduced Cost, Repeatable, Improved Property Washout Tooling for Composite Fabrication	Nevada Composites Inc	300,000	5/14/2018	11/15/2019
06/25/2018	Kim, Kwang	Mechanical Engineering	Deployable & Modular In-Space 3D Printer Concept Development	Jet Propulsion Laboratory	15,000	6/25/2018	9/30/2018
<b>EGR: 19</b>					<b>Total 1,390,238</b>		
					<b>FY Total 9,600,264</b>		