

10/7/2014	Proposals						
Submit Date	PI Name	Dept	Project Title	Agency	Total	Proposed Start Date	Proposed End Date
7/17/2014	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 2 - Nexus Research	EPSCoR/National Science Foundation	1,145,751	6/1/2013	5/31/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
7/17/2014	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 3 - Cyber Infrastructure Research	EPSCoR/National Science Foundation	120,821	6/1/2013	5/31/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
7/17/2014	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 5 - Workforce Development/Education	EPSCoR/National Science Foundation	85,618	6/1/2013	5/31/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
7/17/2014	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 4 - CI Plan	EPSCoR/National Science Foundation	10,800	6/1/2013	5/31/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
7/10/2014	Lipinska-Kalita, Kristina	Mechanical Engineering	Mesoscopic and Atomic Scale Characterization and Quantification of Microstructural and Stress State and Their Effects on Energetic Materials Under Shock Loading Conditions	Georgia Institute of Technology-FPT	405,000	10/1/2014	9/30/2017
	O'Toole, Brendan	Co-PI	Mechanical Engineering				
	Trabia, Mohamed	Co-PI	Mechanical Engineering				
7/14/2014	Schill, Robert	Ctr Eng Matrls Tech (EMITION)	Novel Passive RF Sensor for FPGA Monitoring	Kyma Technologies Inc	19,258	9/1/2014	6/1/2015
8/6/2014	Reynolds, Douglas	Ctr for Mech & Env Sys Tech	Vast Lab Testing Services - Dadanco Chilled Beam Testing (Dadanco/Mestek, Inc)	Various	13,800	7/17/2014	9/30/2014
7/1/2014	Oh, Paul	Mechanical Engineering	IRES: US-Korea Collaborative Software and Hardware - Design of Humanoids for Real-World Tasks in Human-Centered Environments	National Science Foundation	224,986	7/1/2014	8/31/2016
8/1/2014	Lipinska-Kalita, Kristina	Mechanical Engineering	Fundamental Study of Properties of Heavy Metal Oxide Glasses for High Power Lasers: Microstructural Aspects of Erbium Clustering and Photodarkening	Air Force Office of Scientific Research	375,000	10/1/2014	9/30/2017
7/31/2014	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Perchlorate Biodegradation and Soil Washing Studies at the Nevada Environmental Response Trust (NERT) Site in Henderson, Nevada	Environ International Corporation	170,566	10/1/2014	5/30/2015
	Gerrity, Daniel	Co-PI	Civil & Envirnmntl Eng & Const				
7/31/2014	Culbreth, William	Mechanical Engineering	DT Systems Upgrade Support-Task Order 63	National Security Technologies	44,000	4/29/2014	9/30/2014
8/1/2014	Paz-Cruz, Alexander	Transportation Research Center	Development of a Comprehensive Crash Database for Nevada that can be Used With AASHTOWare Safety Analyst	NV Department of Transportation	221,474	10/1/2014	9/30/2015
	Morris, Brendan	Co-PI	Elec & Comp Engineering				
	Shrestha, Pramen	Co-PI	Civil & Envirnmntl Eng & Const				
8/1/2014	Ghafoori, Nader	Transportation Research Center	Class F Fly Ash Assessment for Use in Concrete Pavement	Wisconsin Department of Transportation	47,045	10/1/2014	3/31/2016
7/1/2014	Oh, Paul	Mechanical Engineering	CRI II-NEW: MM-SISTR - Infrastructure for Enabling Mobile-Manipulation Unmanned Aerial Vehicle (MM_UAV) Research and Design	National Science Foundation	255,999	7/1/2014	6/30/2015
7/1/2014	Oh, Paul	Mechanical Engineering	NR1: Large: Collaborative Research: Human-Robot Coordinated Manipulation and Transportation of Large Objects	National Science Foundation	299,998	7/1/2014	9/30/2018
7/22/2014	Morris, Brendan	Elec & Comp Engineering	DOD Center of Excellence in Moving Object Data Analysis with Landmark Information Synthesis (MODALIS)	Fayetteville State University	349,011	1/15/2015	1/14/2016
7/21/2014	Oh, Paul	Mechanical Engineering	DOD Center for Autonomous Material Handling and Retrograding	Air Force Research Laboratory	5,000,000	1/1/2015	12/31/2019
	Kim, Kwang	Co-PI	Mechanical Engineering				
	Yim, Woosoon	Co-PI	Mechanical Engineering				
8/29/2014	Shrestha, Pramen	Civil & Envirnmntl Eng & Const	In-Depth Survey Interviews of Lessons Learned Using Design-Build and Design-Build-Operate Methods in Wastewater Infrastructure	Water Design Build Council	77,345	9/8/2014	3/15/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
8/29/2014	Paz-Cruz, Alexander	Transportation Research Center	Development and Calibration of a Nevada Wide Dynamic Transportation Planning Model for the Estimation of Traffic Performance Measures Including AADTs	Nevada Department of Transportation	191,688	10/1/2014	9/30/2015
	Morris, Brendan	Co-PI	Elec & Comp Engineering				
	Shrestha, Pramen	Co-PI	Civil & Envirnmntl Eng & Const				
8/1/2014	Kaseko, Mohamed	Civil & Envirnmntl Eng & Const	Determination and Evaluation of the Benefits and Cost Effectiveness of NDOT's Freeway Service Patrol (FSP) Program	NV Department of Transportation	72,044	9/1/2014	8/31/2016
8/29/2014	Karakouzian, Moses	Civil & Envirnmntl Eng & Const	Evaluation of Ultrasonic Measurement as an Alternative for Dynamic Modulus Test of Asphalt Concrete	Transportation Research Board	44,792	10/1/2014	9/30/2015
	Khalili, Mehdi	Co-PI	Civil & Envirnmntl Eng & Const				
8/29/2014	Karakouzian, Moses	Civil & Envirnmntl Eng & Const	Evaluation of Ultrasonic Measurement as an Alternative for Mechanical Tests in Hveem Mix Design of Hot Mix Asphalt	Transportation Research Board	88,576	10/1/2014	9/30/2015

	Khalili, Mehdi	Co-PI	Civil & Envirnmntl Eng & Const				
8/1/2014	Morris, Brendan	Elec & Comp Engineering	Improving Traveler Information Services with Contractor Permit Apps	NV Department of Transportation	77,699	10/1/2014	9/30/2015
	Paz-Cruz, Alexander	Co-PI	Civil & Envirnmntl Eng & Const				
9/3/2014	Ghafoori, Nader	Civil & Envirnmntl Eng & Const	Development of Novel Binders to Replace Portland Cement Concrete	Transportation Research Board	142,891	1/2/2015	6/30/2016
	Lipinska-Kalita, Kristina	Co-PI	Harry Reid Center				
	Paz-Cruz, Alexander	Co-PI	Civil & Envirnmntl Eng & Const				
8/25/2014	James, David	Civil & Envirnmntl Eng & Const	Environmental Risk Analysis and Support Concept Development to Indigenous Populations in the Prevention of Irregular Warfare - Task V002	Naval Air Warfare Center Aircraft Division	100,000	9/4/2014	9/3/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
	Boehm, Robert	Co-PI	Center for Energy Research				
	Ahmad, Sajjad	Co-PI	Civil & Envirnmntl Eng & Const				
	Stephen, Haroon	Co-PI	School of Env and Pub Affairs				
8/26/2014	Stefik, Andy	Ctr for Math, Sci & Eng Edu	Collaborative Research: CS 10K: AccessCS 10K: Including Students with Disabilities in Computing Education for the Twenty-First Century	National Science Foundation	317,844	9/1/2014	8/31/2017
8/1/2014	Trabia, Mohamed	Ctr for Materials & Structures	Testing of Metallic Materials in Two-Stage Gas Gun	Tuskegee University	5,924	5/1/2014	12/31/2014
	O'Toole, Brendan	Co-PI	Mechanical Engineering				
7/22/2014	Breen, Erin	Transportation Research Center	Zero Teen Fatalities 2014 Managers/Coordinators	Nevada Office of Traffic Safety	54,000	7/16/2014	9/30/2014
9/10/2014	Jiang, Yingtao	Elec & Comp Engineering	New 3D Scene Reconstruction Scheme Based on an Improved Correspondence Points Detection Using a Modified Correlation Method	EPSCoR/National Aeronautics & Space Administration	15,000	11/1/2014	8/31/2015
9/10/2014	Jiang, Yingtao	Elec & Comp Engineering	New 3D Scene Reconstruction Scheme Based on an Improved Correspondence Points Detection Using a Modified Correlation Method - Match	NV System of Higher Education	15,000	11/1/2014	8/31/2015
9/11/2014	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Solar Lab Kits	NV System of Higher Education	5,000	8/1/2014	7/31/2015
9/5/2014	Saberinia, Ebrahim	Elec & Comp Engineering	An Ultra Low-Power Ultra Wideband Wireless Network for Aerospace Sensing	EPSCoR/National Aeronautics & Space Administration	15,000	1/1/2015	12/31/2015
	Latifi, Sharam	Co-PI	Elec & Comp Engineering				
9/5/2014	Saberinia, Ebrahim	Elec & Comp Engineering	An Ultra Low-Power Ultra Wideband Wireless Network for Aerospace Sensing - Match	NV System of Higher Education	15,000	1/1/2015	12/31/2015
	Latifi, Sharam	Co-PI	Elec & Comp Engineering				
9/5/2014	Culbreth, William	Mechanical Engineering	NASA Space Grant: Design and Fabrication of a Single Blade Unmanned Aerial Vehicle	Nevada System of Higher Education	735	4/1/2014	12/31/2014
9/29/2014	Kim, Si Jung	Dean, College of Engineering	The Flying Orchestra: A Flying Aerial Robot Live Entertainment System	Governor's Office of Economic Development	158,530	11/1/2014	10/31/2015
	Stubberud, Peter	Co-PI	Elec & Comp Engineering				
9/19/2014	Breen, Erin	Transportation Research Center	Zero Teen Fatalities 2015 Program Management/Coordination	Nevada Office of Traffic Safety	165,000	10/1/2014	9/30/2015
9/15/2014	Hartmann, Thomas	Mechanical Engineering	Microstructural Characterization of As-Fab Fuel Plates	Idaho National Laboratory	60,000	9/9/2013	9/30/2015
9/15/2014	Zhao, Hui	Mechanical Engineering	Electric Field Directed Spin-Coating Assisted Controllable Nanomaterial Self-Assembly at Liquid-Air Interfaces	National Science Foundation	313,505	7/1/2014	6/30/2018
	Sun, Ke-Xun	Co-PI	Elec & Comp Engineering				
9/24/2014	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - State Match	NV System of Higher Education	30,000	8/1/2014	6/30/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
<b>EGR</b>	<b>39</b>				<b>Total</b>	<b>10,754,700</b>	
7/23/2014	Hardin, Andrew	Center for Entrepreneurship	UNLV Lean Entrepreneurship Advancement Program (LEAP)	National Science Foundation	267,582	1/1/2015	1/1/2017
	O'Toole, Brendan	Co-PI	<b>Mechanical Engineering</b>				
<b>Submit Date</b>	<b>PI Name</b>	<b>Dept</b>	<b>Project Title</b>	<b>Agency</b>	<b>Total</b>	<b>Proposed Start Date</b>	<b>Proposed End Date</b>
10/16/2014	Zhao, Hui	Mechanical Engineering	Understanding of Dispersion in Chip-Based Capillary Electrokinetic Chromatography Systems	National Institutes of Health	142,374	9/1/2015	8/31/2017
10/27/2014	O'Toole, Brendan	Ctr for Materials & Structures	IDeA Mini Grant: Biomechanics of Pelvic Tissue	Univer of Nevada, Las Vegas	10,000	12/1/2014	6/30/2015
10/28/2014	Kim, Yoohwan	Computer Science	Breakthrough Collaborative Research: Actively Modifying the Physical World for CPS	National Science Foundation	119,708	9/1/2015	8/31/2017
10/16/2014	Yim, Woosoon	Mechanical Engineering	Collaborative: Enhanced Situational Awareness Using Unmanned Autonomous Systems for Disaster Remediation	University of Nevada, Reno	93,458	8/1/2014	7/31/2017

10/17/2014	Kachroo, Pushkin	Transportation Research Center	Comprehensive Occupant Protection: A Plan Through Data Integration, Analysis and Feedback Mechanism	Nevada Office of Traffic Safety	88,911	10/1/2014	9/30/2015
10/17/2014	Paz-Cruz, Alexander	Transportation Research Center	Electronic Statewide Transportation Improvement Program (eSTIP) System	Nevada Department of Transportation	458,326	11/1/2014	6/30/2015
10/17/2014	Baghzouz, Yahia	Elec & Comp Engineering	Development of a Hybrid Power Source With Energy Harvesting Capability for Unmanned Aerial Systems	Governor's Office of Economic Development	50,000	11/1/2014	10/30/2015
10/6/2014	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 5 - Workforce Development/Education	EPSCoR/National Science Foundation	2,880	6/1/2013	5/31/2015
10/13/2014	Batista, Jacimaria	Co-PI	Civil & Envirmntl Eng & Const				
10/13/2014	Hartmann, Thomas	Mechanical Engineering	Idaho National Laboratory Joint Appointment Agreement	Battelle Energy Alliance, LLC	36,735	2/1/2014	1/31/2015
10/6/2014	Oh, Paul	Mechanical Engineering	DRC-Hubo-Leveraging a 7-Hubo Infrastructure and Unified Algorithmic Framework for the DARPA Robotics Challenge	Drexel University	610,875	9/14/2014	8/31/2015
10/3/2014	Kim, Kwang	Mechanical Engineering	Steerable Robotic Catheter Using an Electroactive Polymer	University of Texas	120,000	7/1/2014	6/30/2016
10/6/2014	Trabia, Mohamed	Mechanical Engineering	IDeA Mini Grant: Development of a Model for Plantar Tissue Stiffness	Univer of Nevada, Las Vegas	10,000	12/1/2014	6/30/2015
	Dufek, Janet	Co-PI	Kinesiology and Nutrition Sci				
11/5/2014	Baker, R. Jacob	Elec & Comp Engineering	ASIC IC Collaboration - Task 59	National Security Technologies	8,000	11/20/2013	10/31/2014
11/7/2014	Boehm, Robert	Center for Energy Research	Regional Test Center - Continuation	Sandia National Laboratories	60,551	10/3/2012	3/31/2015
11/5/2014	Sun, Ke-Xun	Elec & Comp Engineering	Center for Excellence for Security Science and Engineering - Task 4	National Security Technologies	61,964	10/1/2014	9/30/2015
11/3/2014	Trabia, Mohamed	Mechanical Engineering	Detection and Prediction of Diabetic Plantar Ulceration	National Science Foundation	300,000	4/1/2015	3/31/2018
	Dufek, Janet	Co-PI	Kinesiology and Nutrition Sci				
	Gatlin, Patricia	Co-PI	School of Nursing				
11/3/2014	Barzilov, Alexander	Mechanical Engineering	Support of the U.S. Nuclear Waste Technical Review Board	U.S. Nuclear Waste Technical Review Board	6,000	9/26/2014	10/25/2014
11/3/2014	Ahmad, Sajjad	Civil & Envirmntl Eng & Const	Collaborative Research: The Western Consortium for Watershed Analysis, Visualization	EPSCoR/National Science	5,616	8/1/2013	7/31/2016
	Stephen, Haroon	Co-PI	School of Env and Pub Affairs				
10/20/2014	Hayes, Donald	Civil & Envirmntl Eng & Const	UNLV Construction Scholars Program	Nevada Commission on	124,769	6/1/2015	7/31/2015
11/14/2014	Kim, Kwang	Mechanical Engineering	Engineered Surfaces for Enhanced Evaporation	Advanced Materials and Devices, Inc	112,500	7/1/2015	6/30/2016
11/18/2014	Zhao, Hui	Mechanical Engineering	Self-Cleaning Antireflection Multifunctional Superhydrophobic Surfaces for Photovoltaic	NV System of Higher Education	29,999	1/1/2015	12/31/2015
11/20/2014	Gerrity, Daniel	Civil & Envirmntl Eng & Const	Collaborative Research: CNH-S: The Dynamics of Homeless Encampments and the Implications for Water Quality in Urban Areas	National Science Foundation	498,562	8/24/2015	8/23/2018
	Menzel, Nancy	Co-PI	School of Nursing				
	Ray, Ranita	Co-PI	Sociology				
	Stephen, Haroon	Co-PI	School of Env and Pub Affairs				
12/15/2014	Latifi, Sharam	Ctr for Info Tech & Algorithms	Center of Excellence for Cyber Security at Grambling State University	Grambling State University-FPT	956,803	1/5/2015	12/31/2019
	Saberinia, Ebrahim	Co-PI	Elec & Comp Engineering				
	Taghva, Kazem	Co-PI	Computer Science				
12/17/2014	Baker, R. Jacob	Elec & Comp Engineering	ASIC Integrated Circuit Collaboration - Task 6	National Security Technologies	30,000	12/16/2014	10/30/2015
12/18/2014	Breen, Erin	Transportation Research Center	Vulnerable Road Users Project - Pedestrian Safety Education and Outreach	Nevada Office of Traffic Safety	30,000	10/1/2014	9/30/2015
12/18/2014	Paz-Cruz, Alexander	Transportation Research Center	Cost Benefit Studies III	NV Department of	120,000	12/19/2014	6/30/2015
11/25/2014	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - UROP Scholarships	NV System of Higher Education	33,250	11/1/2014	5/31/2015
	Regner, Kurt	Co-PD/PI	School of Life Sciences				
11/26/2014	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - UROP Scholarships (Diversity	NV System of Higher Education	9,500	11/1/2014	5/31/2015
	Regner, Kurt	Co-PI	School of Life Sciences				
12/3/2014	Boehm, Robert	Center for Energy Research	NV Energy Clark Station Unit 2 Repair	NV Energy	4,936	1/1/2015	12/31/2015
11/25/2014	Morris, Brendan	Elec & Comp Engineering	Short-Term Statistical Prediction of Photovoltaic Output Using Ground-Based Imaging of	NV System of Higher Education	29,242	1/1/2015	12/31/2015
11/21/2014	Lipinska-Kalita, Kristina	Mechanical Engineering	High-Temperature Materials for Solar Concentrators: Tuning Luminescence of Quantum	NV System of Higher Education	30,000	1/1/2015	12/31/2015
11/25/2014	Moon, Jaeyun	Mechanical Engineering	Nanomaterials for Water Purification by Solar Heat Collection and Localization	NV System of Higher Education	30,000	5/1/2015	4/30/2016
11/5/2014	Zhao, Hui	Mechanical Engineering	Collaborative Research: Propulsion of Particles Under AC Electric Fields - Breaking the	National Science Foundation	136,523	5/1/2015	4/30/2018
11/21/2014	Barzilov, Alexander	Mechanical Engineering	Novel Development of Elpasolites as a Dual Gamma Neutron Directional Detector - Task	National Security Technologies	21,291	11/21/2014	9/30/2015
12/22/2014	Pepper, Darrell	NV Ctr for Adv Comp Methods	Solar-Powered Water Pump for Deep Water Retrieval	NV System of Higher Education	24,311	1/19/2015	12/31/2015
12/17/2014	O'Toole, Brendan	Ctr for Materials & Structures	Experimental Characterization and Computational Simulation of Shock Propagation and	National Security Technologies	80,000	12/15/2014	9/30/2015
	Trabia, Mohamed	Co-PI	Mechanical Engineering				
12/8/2014	Muthukumar, Venkatesa	Transportation Research Center	Automated Pedestrian Detection, Count and Analysis System	NV Department of	174,945	12/17/2014	2/28/2016
	Breen, Erin	Co-PI	Transportation Research Center				
	Morris, Brendan	Co-PI	Elec & Comp Engineering				

EGR		Paz-Cruz, Alexander Regentova, Emma 37	Co-PI Co-PI	Transportation Research Center Elec & Comp Engineering	Total 4,662,029		
Submit Date	PI Name	Dept	Project Title	Agency	Total	Proposed Start Date	Proposed End Date
1/9/2015	Hartmann, Thomas	Mechanical Engineering	Idaho National Laboratory Joint Appointment Agreement	Battelle Energy Alliance, LLC	65,197	8/22/2008	9/30/2015
1/9/2015	Kim, Si Jung	Dean, College of Engineering	NUE: Collaborative Networked Virtual Experiences for Nanotechnology Education	University of Central Florida	25,000	12/1/2014	11/30/2015
1/6/2015	Zhao, Hui	Mechanical Engineering	Super-Hydrophobic Surface Enabled Microfluidic Energy Conversion	National Science Foundation	276,674	9/1/2015	8/31/2018
1/5/2015	Zhao, Hui	Mechanical Engineering	Beyond the Poisson-Nernst-Planck Model: The Impacts of Ion Specificity and	National Institutes of Health	435,561	8/1/2015	7/31/2018
1/7/2015	Trabia, Mohamed	Mechanical Engineering	IDeA CTR-IN Mini Grant: Identification of Plantar Tissue Stiffness During Gait	Univer of Nevada, Las Vegas	11,000	3/11/2015	6/30/2015
	Dufek, Janet	Co-PI	Kinesiology and Nutrition Sci				
1/5/2015	Lipinska-Kalita, Kristina	Mechanical Engineering	Raman Spectroscopy of Nanostructured Semiconductors	KLA-Tencor Corporation	50,000	10/20/2014	10/19/2015
1/5/2015	Jiang, Yingtao	Elec & Comp Engineering	A New Bandwidth-Power Efficient Multiplexing Scheme Based on Orthogonal Digital	National Science Foundation	444,945	6/1/2015	5/31/2018
1/20/2015	Jo, Ju-Yeon	Computer Science	NASA Space Grant: Developing Secure Communication Method for Small UAS Traffic	Nevada System of Higher	36,507	1/1/2015	3/1/2016
	Kim, Yoohwan	Co-PI	Computer Science				
1/20/2015	Jo, Ju-Yeon	Computer Science	NASA Space Grant: Developing Secure Communication Method for Small UAS Traffic	NV System of Higher Education	26,898	1/1/2015	3/1/2016
	Kim, Yoohwan	Co-PI	Computer Science				
1/14/2015	Lipinska-Kalita, Kristina	Mechanical Engineering	Fundamental Studies of Heavy Metal Oxide Glasses for High Power Lasers:	U.S. Army Research Office	599,706	7/1/2015	6/30/2018
1/14/2015	Larmore, Lawrence	Ctr for Math, Sci & Eng Edu	AF: Breaking Through Old Barriers for Server Problems	National Science Foundation	499,242	9/1/2015	8/30/2018
	Bein, Wolfgang	Co-PI	Computer Science				
2/6/2015	Breen, Erin	Transportation Research Center	Older Driver Education, Evaluation and Outreach	Nevada Office of Traffic Safety	25,873	1/28/2015	9/30/2015
2/5/2015	Boehm, Robert	Center for Energy Research	Solar Desalination for Clean Water in Remote Villages and Disaster Areas	HITEK Services	63,561	8/1/2015	4/30/2016
2/3/2015	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - Task 2 - Nexus Research	EPSCoR/National Science	141,480	6/1/2013	5/31/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
2/2/2015	Baker, R. Jacob	Elec & Comp Engineering	Silicon Photomultipliers (SiPM) for Nuclear Detectors	Freedom Photonics LLC/FPT	65,000	7/29/2015	4/28/2016
1/22/2015	O'Toole, Brendan	Ctr for Materials & Structures	Nondestructive Evaluation Techniques for Composite Materials with Low Density	Metna Co	20,444	12/1/2014	8/31/2015
	Trabia, Mohamed	Co-PI	Mechanical Engineering				
1/15/2015	Kim, Yoohwan	Computer Science	Incapacitating Hostile UASs in Close Range Using Active RF Interface	U.S. Army Research Office	598,812	7/1/2015	6/30/2018
	Jo, Ju-Yeon	Co-PI	Computer Science				
1/27/2015	Baker, R. Jacob	Elec & Comp Engineering	Quantum Cryptography Single Photon Detector Chip	Freedom Photonics LLC/FPT	45,000	3/1/2015	10/31/2015
1/27/2015	Baker, R. Jacob	Elec & Comp Engineering	Highly Pixelated Geiger-Mode Silicon Avalanche Photodiode Arrays	Freedom Photonics LLC/FPT	50,000	1/1/2015	9/1/2015
1/29/2015	Zhao, Hui	Mechanical Engineering	Flow Effects in Dielectrophoresis-Directed Assembly of Colloidal Particles	National Science Foundation	262,064	8/1/2015	7/31/2018
3/23/2015	Baker, R. Jacob	Elec & Comp Engineering	Low Level Visible-Light Photo Detectors for Laser Range Finding	Freedom Photonics LLC/FPT	47,000	6/18/2015	12/31/2015
3/11/2015	Moon, Jaeyun	Mechanical Engineering	Advanced Manufactured Power Generation and Sensors	U.S. Department of Energy	249,849	1/1/2016	12/31/2018
	Kim, Kwang	Co-PI	Mechanical Engineering				
3/12/2015	Boehm, Robert	Center for Energy Research	Field Failure/Degradation Prediction Correlation with Accelerated Lifetime Tests and	U.S. Department of Energy	1,482,179	9/1/2015	11/30/2018
	Bansal, Shubhra	Co-PI	Mechanical Engineering				
3/24/2015	Boehm, Robert	Center for Energy Research	The American Jobs Project	Univ. of California, Berkeley	20,000	4/1/2015	10/31/2015
3/10/2015	Chen, Yitong	Center for Energy Research	Thermal Dynamics and Neutronics Modeling Simulations on RTMSR Reactor Design -	Utah Green Energy	70,000	3/1/2015	8/31/2015
3/4/2015	Stefik, Andy	Computer Science	Lego Robotics for the Blind and Visually Impaired	Pacific Foundation for Blind	5,400	3/25/2015	9/1/2015
3/24/2015	Culbreth, William	Mechanical Engineering	DT Systems Upgrade Support - Task	National Security Technologies	168,091	10/1/2014	9/30/2015
	O'Brien, Robert	Co-PI	Mechanical Engineering				
3/26/2015	Bein, Wolfgang	Ctr for Info Tech & Algorithms	CyberSEES: Type 2: Collaborative Research: Dependable Infrastructure for Renewable	National Science Foundation	907,000	10/1/2015	9/30/2019
	Baghzouz, Yahia	Co-PI	Elec & Comp Engineering				
3/27/2015	Teng, Hualiang	Civil & Envirnmntl Eng & Const	Testing Radar Speed Signs on Rural Highways and Freeways in Nevada	Nevada Office of Traffic Safety	119,951	10/1/2015	9/30/2016
3/5/2015	Oh, Paul	Mechanical Engineering	Low-Cost Multiple Unmanned Aircraft System for Remote Contour Mapping of a Nuclear	National Security Technologies	47,892	3/5/2015	9/30/2015
3/10/2015	Stefik, Andy	Ctr for Math, Sci & Eng Edu	REU Supplement: Collaborative Research: CS 10K: AccessCS 10K: Including Students	National Science Foundation	16,000	9/1/2014	8/31/2017
3/10/2015	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Removal of Ammonia and Fluoride from Sulfidic Caustic Solution (SCS) from Oil	Radian Chemicals	26,701	3/15/2015	6/15/2015
3/6/2015	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - State Match	NV System of Higher Education	5,869	8/1/2014	6/30/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
3/4/2015	Breen, Erin	Transportation Research Center	Vulnerable Road Users Project/Pedestrian Safety Education/Outreach	Nevada Office of Traffic Safety	60,000	10/1/2014	9/30/2015
2/24/2015	Baker, R. Jacob	Elec & Comp Engineering	ASIC Integrated Circuit Collaboration - Task 6	National Security Technologies	52,000	12/16/2014	10/30/2015
2/13/2015	Baker, R. Jacob	Elec & Comp Engineering	Advanced Printed Circuit Board Design Methods for Compact Optical Transceiver	Attollo Engineering, LLC	45,000	6/1/2015	12/1/2015
2/17/2015	Kim, Kwang	Mechanical Engineering	Collaborative Research: Advanced Three-Dimensional Additive Manufacturing of	National Science Foundation	124,474	9/1/2015	8/31/2016
2/11/2015	Boehm, Robert	Center for Energy Research	Phase Change Material (PCM) to Reduce Primary Energy Consumption of Heating,	U.S. Department of Energy	221,965	8/1/2015	7/31/2017
2/17/2015	Barzilov, Alexander	Mechanical Engineering	Portable Wireless Detector for Gamma Rays and Neutrons	Adelphi Technology Inc	50,000	6/15/2015	3/15/2016
2/18/2015	Reynolds, Douglas	Ctr for Mech & Env Sys Tech	Vast Lab Testing Services - Emerachem, LLC	Various	1,500	7/17/2014	8/5/2016
3/9/2015	Kim, Si Jung	Dean, College of Engineering	The Design and Development of a 3D Measurement System	University of Central Florida	64,031	9/1/2014	5/31/2015
3/26/2015	Sun, Ke-Xun	Elec & Comp Engineering	Center of Excellence for Security Science and Engineering - Task 55	National Security Technologies	15,327	10/1/2013	9/30/2014

EGR		42		Total 7,543,193			
Submit Date	PI Name	Dept	Project Title	Agency	Total	Proposed Start Date	Proposed End Date
4/1/2015	Pepper, Darrell	NV Ctr for Adv Comp Methods	An LES Turbulence Model Using CBS With HP-Adaptive FEM for KIVA Combustion	Los Alamos Nat'l Lab	21,607	3/3/2014	5/30/2015
4/7/2015	Bansal, Shubhra	Mechanical Engineering	Manufacturing and Reliability Science for CIGS Photovoltaics	Nat'l Renewable Energy Lab	299,985	10/1/2015	9/30/2018
4/7/2015	Teng, Hualiang	Civil & Envirnmntl Eng & Const	USDOT SHRP 2 IAP Project Assessing the Influence of Factors on Pedestrian-Turning-	NV Department of	18,747	2/20/2015	1/18/2016
4/2/2015	Kim, Kwang	Mechanical Engineering	Advanced Transport Technologies for NASA Thermal Management/Control Systems	EPSCoR/National Aeronautics	467,301	1/1/2016	12/31/2018
4/1/2015	Gerrity, Daniel	Civil & Envirnmntl Eng & Const	Occurrence, Proliferation and Persistence of Antibiotics and Antibiotic Resistance During	Water Environment Research	49,980	4/1/2015	5/31/2017
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
4/2/2015	Kim, Kwang	Mechanical Engineering	Artificial Muscle (AM) Cilia Array for Underwater Systems	Office of Naval Research	56,850	1/1/2013	6/30/2016
4/9/2015	Hayes, Donald	Civil & Envirnmntl Eng & Const	UNLV ASCE PSWC 2015 Transportation	Nevada Commission on	6,000	4/1/2015	3/30/2018
4/23/2015	Stephen, Haroon	Civil & Envirnmntl Eng & Const	Updating the Regional GHG Emissions Inventory	Southern Nevada Regional	10,000	6/1/2012	11/30/2015
	Piechota, Thomas	Co-PI	VP for Resrch & Economic Dev				
4/17/2015	Sun, Ke-Xun	Elec & Comp Engineering	Center of Excellence for Security Science and Engineering - Task 4	National Security Technologies	211,736	10/1/2014	9/30/2015
4/23/2015	Teng, Hualiang	Civil & Envirnmntl Eng & Const	Developing and Testing a LED System to Improve Pedestrian Safety in Nevada	University of Nevada, Reno	59,700	9/1/2014	5/31/2016
4/23/2015	Ghafoori, Nader	Civil & Envirnmntl Eng & Const	Development of Novel Cementitious Binders to Replace Portland Cement	University of Nevada, Reno	44,400	5/1/2015	5/31/2016
5/6/2015	Ghafoori, Nader	Civil & Envirnmntl Eng & Const	Use of High Strength Rapid Setting Fiber Reinforced Self-Consolidating Concrete in	NV Department of	113,292	1/2/2015	5/31/2016
	Paz-Cruz, Alexander	Co-PI	Civil & Envirnmntl Eng & Const				
5/6/2015	Ghafoori, Nader	Civil & Envirnmntl Eng & Const	Joint Sawing Practices and Effects on Durability	Wisconsin Department of	133,863	10/1/2015	3/31/2017
4/24/2015	Paz-Cruz, Alexander	Transportation Research Center	In Depth Investigation of the System Currently Used by the Las Vegas Metropolitan	University of Nevada, Reno	59,700	5/1/2015	5/31/2016
	Morris, Brendan	Co-PI	Elec & Comp Engineering				
4/24/2015	Kaseko, Mohamed	Civil & Envirnmntl Eng & Const	Database Development and Model Re-Calibration for Quantification of Impacts of	University of Nevada, Reno	46,200	6/1/2015	5/31/2016
4/22/2015	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Laboratory Microcosm Testing for Soil Flushing Pilot Test - Task 1, 2 & 3	Tetra Tech, Inc	56,166	4/20/2015	7/20/2015
	Gerrity, Daniel	Co-PI	Civil & Envirnmntl Eng & Const				
4/20/2015	Yim, Woosoon	Mechanical Engineering	B-MRE Based Adaptive Response Floor System	Nevada Automotive Test	459,422	7/1/2015	6/30/2018
4/24/2015	Paz-Cruz, Alexander	Transportation Research Center	Development of a Safety Analyst Database for Nevada	University of Nevada, Reno	238,638	5/1/2015	5/31/2016
	Kaseko, Mohamed	Co-PI	Civil & Envirnmntl Eng & Const				
	Morris, Brendan	Co-PI	Elec & Comp Engineering				
4/23/2015	Ghafoori, Nader	Civil & Envirnmntl Eng & Const	Use of Self-Consolidating Concrete (SCC) for Precast, Prestressed Bridge Girders	University of Nevada, Reno	100,990	5/1/2015	5/31/2016
5/6/2015	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - UROP Scholarships	NV System of Higher Education	36,750	11/1/2014	8/31/2015
	Regner, Kurt	Co-PI	School of Life Sciences				
5/8/2015	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Perchlorate Biodegradation Microcosm and Column Studies to Support Pilot	Tetra Tech, Inc	159,757	5/11/2015	10/10/2015
	Gerrity, Daniel	Co-PI	Civil & Envirnmntl Eng & Const				
5/6/2015	Hartmann, Thomas	Mechanical Engineering	UNLV Fuel Cycle Summer School	Idaho National Laboratory	200,000	5/4/2015	9/30/2015
	Poineau, Frederic	Co-PI	Chemistry & Biochemistry				
6/1/2015	Kim, Yoohwan	Computer Science	Unmanned Aircraft Systems for Public Safety: Exploring the Challenges and Solutions	U.S. Department of	4,998,648	8/1/2015	1/31/2017
	O'Toole, Brendan	Co-PI	Mechanical Engineering				
	Yim, Woosoon	Co-PI	Mechanical Engineering				
6/8/2015	Reynolds, Douglas	Ctr for Mech & Env Sys Tech	Vast Lab Testing Services - Intelli Choice Energy	Various	5,000	7/17/2014	8/5/2016
6/8/2015	Reynolds, Douglas	Ctr for Mech & Env Sys Tech	Vast Lab Testing Services - ATECS, LLC	Various	3,000	7/17/2014	8/5/2016
6/8/2015	Reynolds, Douglas	Ctr for Mech & Env Sys Tech	Vast Lab Testing Services - A Level Playing Field Foundation	Various Spon.	5,670	7/17/2014	8/5/2016
6/9/2015	O'Toole, Brendan	Ctr for Materials & Structures	56 Straight	Shark Trap, Inc	19,492	5/8/2015	12/31/2015
	Kell, Terrance	Co-PI	Mechanical Engineering				
5/27/2015	Batista, Jacimaria	Ctr for Math, Sci & Eng Edu	Chromium Contamination Remediation Using Activated Carbon Coated with Polysulfide	Savannah River Nuclear	282,105	7/6/2015	6/30/2016
	Kim, Kwang	Co-PI	Mechanical Engineering				
	Nicholl, Michael	Co-PI	Geoscience				
5/27/2015	Breen, Erin	Transportation Research Center	Older Driver Education, Evaluation and Outreach	Nevada Office of Traffic Safety	25,873	2/1/2015	9/30/2015
6/1/2015	Kachroo, Pushkin	Transportation Research Center	Collaborative Research: Data Driven Investment Decisions for Deploying Alternate	National Science Foundation	199,595	7/1/2015	6/30/2018
6/1/2015	Kachroo, Pushkin	Transportation Research Center	Driver's Education Program for Teenagers and the Elderly	Nevada Office of Traffic Safety	76,424	10/1/2015	9/30/2016
6/1/2015	Kachroo, Pushkin	Transportation Research Center	Crash Trauma	Nevada Office of Traffic Safety	76,424	10/1/2015	9/30/2016
5/15/2015	Kim, Kwang	Mechanical Engineering	PIRE: Advanced Artificial Muscles for International and Globally Competitive Research	National Science Foundation	3,988,485	9/1/2015	8/31/2020
	Oh, Paul	Co-PI	Mechanical Engineering				
5/18/2015	Barzilov, Alexander	Mechanical Engineering	Development of UAV-Based Pipeline Inspection Technology	U.S. Department of	293,641	9/1/2015	8/31/2017
5/29/2015	Breen, Erin	Transportation Research Center	Vulnerable Road Users Project	Nevada Office of Traffic Safety	186,100	10/1/2015	9/30/2017
5/29/2015	Kachroo, Pushkin	Transportation Research Center	Observational Seat Belt Usage Survey FY 16	Nevada Office of Traffic Safety	102,324	10/1/2015	9/30/2016
5/29/2015	Kachroo, Pushkin	Transportation Research Center	Night-Time Seat Belt Surveys	Nevada Office of Traffic Safety	76,424	10/1/2015	9/30/2016
5/21/2015	Kachroo, Pushkin	Transportation Research Center	Statistical Analysis of Nevada Motor Vehicle Crash Data	Nevada Office of Traffic Safety	76,424	10/1/2015	9/30/2016
6/1/2015	Kachroo, Pushkin	Transportation Research Center	Concept to Countermeasures: Research to Deployment Using the SHRP2 Safety Data	NV Department of	99,999	1/1/2015	9/30/2015
	Paz-Cruz, Alexander	Co-PI	Civil & Envirnmntl Eng & Const				



5/15/2015	Batista, Jacimaria	Civil & Envirnmntl Eng & Const	Laboratory Microcosm & Column Studies for Groundwater Bioremediation Pilot Test -	Tetra Tech, Inc	160,000	5/15/2015	10/14/2015
5/19/2015	Ghafoori, Nader	Civil & Envirnmntl Eng & Const	Development of Novel Cementitious Binders to Replace Portland Cement - Match	Univ. of Nevada, Reno	44,400	4/27/2015	5/31/2016
5/19/2015	Kaseko, Mohamed	Civil & Envirnmntl Eng & Const	Database Development and Model Re-Calibration for Quantification of Impacts of	Univ. of Nevada, Reno	46,198	4/27/2015	5/31/2016
5/19/2015	Paz-Cruz, Alexander	Transportation Research Center	In Depth Investigation of the System Currently Used by the Las Vegas Metropolitan	Univ. of Nevada, Reno	59,703	4/27/2015	5/31/2016
	Morris, Brendan	Co-PI	Elec & Comp Engineering				
5/19/2015	Teng, Hualiang	Civil & Envirnmntl Eng & Const	Developing and Testing a LED System to Improve Pedestrian Safety in Nevada - Match	Univ. of Nevada, Reno	59,699	4/27/2015	5/31/2016
5/14/2015	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - State Match	NV System of Higher Education	1,600	8/1/2014	12/31/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
5/14/2015	Yfantis, Evangelos	Computer Science	Academic Collaboration for Cybersecurity of CEDS	Desert Research Institute	1,245,781	10/1/2015	9/30/2020
	Baghzouz, Yahia	Co-PI	Elec & Comp Engineering				
6/12/2015	Barzilov, Alexander	Mechanical Engineering	Development of Intelligent Radiation Sensing Technology for Wide Area Search	U.S. Department of Homeland	895,464	9/1/2015	8/31/2018
	Yim, Woosoon	Co-PI	Mechanical Engineering				
6/11/2015	Baker, R. Jacob	Elec & Comp Engineering	High-Sensitivity Monolithic Silicon APD and ROIC	Freedom Photonics LLC/FPT	299,665	1/1/2016	3/31/2018
6/1/2015	Kachroo, Pushkin	Transportation Research Center	Driver's Edge: Assessment Through Smartphone APP	Nevada Office of Traffic Safety	76,424	10/1/2015	9/30/2016
6/25/2015	Ghafoori, Nader	Transportation Research Center	Self-Consolidating Concrete (SCC) for Prestressed Bridge Girders	NV Department of	107,916	1/2/2016	6/30/2017
6/19/2015	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - State Match	NV System of Higher Education	30,000	8/1/2014	12/31/2015
	Batista, Jacimaria	Co-PI	Civil & Envirnmntl Eng & Const				
6/22/2015	Baker, R. Jacob	Elec & Comp Engineering	Radiation Hardened Optoelectronics for Optical Interconnects	Freedom Photonics LLC/FPT	44,999	1/1/2016	8/1/2016
6/22/2015	Baker, R. Jacob	Elec & Comp Engineering	Low Light Short Wave Infrared Focal Plane Arrays	Freedom Photonics LLC/FPT	44,999	1/1/2016	8/1/2016
6/25/2015	Lipinska-Kalita, Kristina	Transportation Research Center	Glass Materials for Long Phosphorescence and Retroeffective Glass Beads for High	NV Department of	196,013	7/1/2015	6/30/2016
	Paz-Cruz, Alexander	Co-PI	Civil & Envirnmntl Eng & Const				
6/25/2015	James, David	Civil & Envirnmntl Eng & Const	Scoping Proposal for the Evaluation of Approaches to Determine Mixing and	U.S. Bureau of Reclamation	15,000	10/1/2015	9/30/2016
	Gerrity, Daniel	Co-PI	Civil & Envirnmntl Eng & Const				
	Hayes, Donald	Co-PI	Civil & Envirnmntl Eng & Const				
6/26/2015	Kim, Kwang	Mechanical Engineering	Technical Support for Corrosion Prevention and Control	Oak Ridge National Laboratory	50,000	6/29/2015	8/31/2015
	Moon, Jaeyun	Co-PI	Mechanical Engineering				
6/19/2015	Boehm, Robert	Center for Energy Research	The Solar Energy-Water-Environment Nexus in Nevada - State Match	NV System of Higher Education	30,000	8/1/2014	12/31/2015
6/30/2015	Oh, Paul	Mechanical Engineering	IRES: US-Korea Collaborative Software and Hardware - Design of Humanoids for Real-	National Science Foundation	34,969	7/1/2014	8/31/2016
6/30/2015	Sun, Ke-Xun	Elec & Comp Engineering	GaN Radiation Hardened Materials, Detector, Imagers and Versatile Diagnostic Platform	U.S. Department of Energy	1,194,000	8/15/2015	12/31/2016
4/7/2015	Barzilov, Alexander	Mechanical Engineering	Development of Plug-and-Play Interchangeable Components for Unmanned Aerial	Savannah River Nuclear	249,282	6/29/2015	6/30/2016
	Yim, Woosoon	Co-PI	Mechanical Engineering				
<b>EGR</b>	<b>60</b>				<b>Total 18,252,824</b>		
<b>Co-Pis</b>							
4/17/2015	Cerefice, Gary	Health Physics and Diag Sci	UNLV Nuclear Science & Engineering Fellowship Program	Nuclear Regulatory	396,935	10/1/2015	9/30/2019
	<b>Barzilov, Alexander</b>	<b>Co-PI</b>	<b>Mechanical Engineering</b>				
	Sudowe, Ralf	Co-PI	Health Physics and Diag Sci				
4/17/2015	Cerefice, Gary	Health Physics and Diag Sci	UNLV Nuclear Science & Engineering Fellowship Program	Nuclear Regulatory	199,741	10/1/2015	9/30/2017
	<b>Barzilov, Alexander</b>	<b>Co-PI</b>	<b>Mechanical Engineering</b>				
	Sudowe, Ralf	Co-PI	Health Physics and Diag Sci				
6/3/2015	Hardin, Andrew	Mgmt, Entrepreneurship & Tech	UNLV Lean Entrepreneurship Advancement Program	National Science Foundation	255,680	1/1/2016	1/1/2018
	<b>Kachroo, Pushkin</b>	<b>Co-PI</b>	<b>Elec &amp; Comp Engineering</b>				
	<b>O'Toole, Brendan</b>	<b>Co-PI</b>	<b>Mechanical Engineering</b>				
					<b>Total 42,065,102</b>		