

| 10/16/2012  | Proposals           |                                |   |  |                        |                     |                   |  |
|-------------|---------------------|--------------------------------|---|--|------------------------|---------------------|-------------------|--|
| Submit Date | PI Name             | Dept                           | Project Title   | Agency   | Total                  | Proposed Start Date | Proposed End Date |  |
| 8/2/2012    | Batista, Jacimaria  | Civil & Envirnmntl Eng & Const | Investigation of Potential Perchlorate Loads Discharged Through Contaminated Groundwater Seepage into the Las Vegas Wash, Henderson, Nevada | California Metropolitan Water District             | 180,546                | 8/1/2012            | 3/31/2013         |  |
| 8/2/2012    | Venkat, Rama        | Dean, College of Engineering   | UNLV Incubator for Clean Technologies   | Wells Fargo  | 150,000                | 1/1/2013            | 12/31/2013        |  |
|             | Hardin, Andrew      | Co-PI                          |   |  |                        |                     |                   |  |
| 7/24/2012   | Shrestha, Pramen    | Civil & Envirnmntl Eng & Const | CAREER: Real-Time Automatic Detection of Construction Safety Violations   | National Science Foundation                        | 400,000                | 6/1/2013            | 5/31/2018         |  |
| 7/23/2012   | Zhao, Hui           | Mechanical Engineering         | CAREER: Microfluidic Energy Conversion Over Super-Hydrophobic Surfaces  | National Science Foundation                        | 400,000                | 5/1/2013            | 4/30/2018         |  |
| 8/2/2012    | Kim, Kwang          | Mechanical Engineering         | Superior Dropwise Condensation  | Electric Power Research Institute                  | 311,235                | 1/1/2013            | 12/31/2015        |  |
| 8/9/2012    | Teng, Hualiang      | Civil & Envirnmntl Eng & Const | Evaluation of Geometric Design Needs of Freeway Systems Based on Archived ITS and Safety Data - State                                       | Nevada Department of Transportation                | 56,686                 | 7/31/2012           | 8/31/2013         |  |
| 8/9/2012    | Teng, Hualiang      | Civil & Envirnmntl Eng & Const | Evaluation of Geometric Design Needs of Freeway Systems Based on Archived ITS and Safety Data - Federal                                     | U.S. Department of Transportation                  | 43,312                 | 7/1/2012            | 6/30/2013         |  |
| 7/24/2012   | Tian, Ying          | Civil & Envirnmntl Eng & Const | CAREER: Performance of Reinforced Concrete Flat Plate Buildings Exposed to Fire   | National Science Foundation                        | 400,000                | 6/1/2013            | 5/31/2018         |  |
| 7/24/2012   | Paz-Cruz, Alexander | Civil & Envirnmntl Eng & Const | CAREER: Generation of Traffic Guidance and Driving Incentives for Vehicular Traffic Systems   | National Science Foundation                        | 399,840                | 5/1/2013            | 4/28/2018         |  |
| 7/17/2012   | Boehm, Robert       | Center for Energy Research     | Plaza Hotel Chiller Project   | CQM Southwest, LLC                                 | 14,158                 | 7/13/2012           | 7/12/2013         |  |
| 7/10/2012   | Boehm, Robert       | Center for Energy Research     | Pyramid Photovoltaic Concentrator Will Lower Levelized Cost of Energy   | California Energy Commission                       | 95,000                 | 9/1/2012            | 8/31/2013         |  |
| 9/14/2012   | Latifi, Sharam      | Elec & Comp Engineering        | NSF EPSCOR RII UNLV Task 6 (Cyber)  | EPSCoR/National Science Foundation                 | 14,460                 | 9/1/2008            | 8/31/2013         |  |
| 9/11/2012   | Kim, Kwang          | Mechanical Engineering         | Superior Dropwise Condensation  | Korea Institute of Energy Research                 | 45,217                 | 9/1/2012            | 5/31/2013         |  |
| 8/22/2012   | Ghafoori, Nader     | Civil & Envirnmntl Eng & Const | Use of Geotextile for Strengthening and Reducing Roadway Structural Sections - B  | NV Department of Transportation                    | 12,000                 | 10/1/2012           | 4/30/2014         |  |
| 9/19/2012   | Kim, Kwang          | Mechanical Engineering         | Robotic Catheterization Using Ionic Polymer-Metal Composite Actuator  | National Science Foundation                        | 168,281                | 9/1/2012            | 5/30/2013         |  |
| 8/22/2012   | Latifi, Sharam      | Elec & Comp Engineering        | Science Return Optimization Through Wireless Power Transmission Development   | National Aeronautics and Space Administration      | 197,592                | 1/1/2013            | 12/31/2016        |  |
| 9/24/2012   | Boehm, Robert       | Center for Energy Research     | Regional Test Center - Phase I  | Sandia National Laboratories                       | 85,000                 | 10/1/2012           | 9/30/2013         |  |
| 9/24/2012   | Ahmad, Sajjad       | Civil & Envirnmntl Eng & Const | Integrating Remote Sensing and Earth System Science in Nevada: Ecohydrologic Responses to Atmospheric River Dynamics                        | EPSCoR/National Aeronautics & Space Administration | 139,927                | 1/15/2013           | 1/15/2016         |  |
|             | Stephen, Haroon     | Co-PI                          |   |  |                        |                     |                   |  |
| 9/24/2012   | Baghzouz, Yahia     | Elec & Comp Engineering        | An Automatic Efficiency Optimizer for Fractional-Horsepower AC Motors   | Lawrence Berkeley National Laboratory              | 19,999                 | 10/15/2012          | 6/30/2013         |  |
| 9/14/2012   | Zhao, Hui           | Mechanical Engineering         | The Role of Diffusion in Nonlinear Diffuse-Charge Dynamics of Ionic Liquids at Large Voltages   | National Science Foundation                        | 198,460                | 5/1/2013            | 4/30/2016         |  |
| 9/21/2012   | Sun, Ke-Xun         | Elec & Comp Engineering        | Gravity and Radiation Environment Aerial Trans-Small Satellite Surveyors (GREATS) Workshop  | EPSCoR/National Aeronautics & Space Administration | 10,000                 | 7/1/2012            | 10/31/2012        |  |
| 9/11/2012   | Stephen, Haroon     | Civil & Envirnmntl Eng & Const | Updating the Regional GHG Emissions Inventory   | Southern Nevada Regional Planning Coalition        | 10,000                 | 6/1/2012            | 5/30/2015         |  |
|             | Piechota, Thomas    | Co-PD/PI                       |   |  |                        |                     |                   |  |
| 8/24/2012   | Sun, Ke-Xun         | Elec & Comp Engineering        | Singular Blood Monitoring Device (SBMD)   | Interactive Moble Systems, Inc                     | 618,150                | 1/1/2013            | 12/31/2016        |  |
|             | Wang, Zhiyong       | Co-PD/PI                       |   |  |                        |                     |                   |  |
| 8/23/2012   | Hayes, Donald       | Transportation Research Center | Enhancing NDOT's Traffic Safety Programs - Federal  | U.S. Department of Transportation                  | 84,514                 | 7/1/2012            | 6/30/2013         |  |
| 8/21/2012   | Hayes, Donald       | Transportation Research Center | Enhancing NDOT's Traffic Safety Programs - State  | Nevada Department of Transportation                | 108,769                | 8/30/2012           | 7/31/2013         |  |
| 8/21/2012   | Trabia, Mohamed     | Mechanical Engineering         | Impact and Blast Research   | Blast Containment Inc                              | 79,598                 | 7/1/2012            | 6/30/2013         |  |
|             | O'Toole, Brendan    | Co-PD/PI                       |   |  |                        |                     |                   |  |
|             | Thota, Jagadeep     | Co-PD/PI                       |   |  |                        |                     |                   |  |
| 8/23/2012   | Sun, Ke-Xun         | Elec & Comp Engineering        | Radiation Hard AIGAN Imager and Electronics - Task 44   | National Security Technologies                     | 115,000                | 8/23/2012           | 9/30/2012         |  |
| <b>EGR</b>  | <b>27</b>           |                                |   |  | <b>Total 4,357,744</b> |                     |                   |  |