

To: GOED Board Members
From: Steve Hill *SDA*
Date: November 17, 2016
Subject: Director's Report

1. Mr. Kristopher Sanchez, Director of International Trade, **signed an agreement with the Polish state of Slaskie**. The purpose of the agreement is to formalize an existing partnership with Poland's most populous state and calls for the establishment of joint technology development projects in the areas of mining, transportation, environmental protection, water, and autonomous vehicles.
2. Mr. Sanchez **signed an agreement with the Ministry for the Environment, Land and Sea of the Republic of Italy**. The purpose of the agreement is to formalize joint climate science research between the Ministry, educational institutions in Italy, DRI, and UNR. More specifically, the agreement calls for the development of joint projects pertaining to urban flood mitigation and sea water intrusion.
3. From October 3-21, **Nevada personnel supported NASA's first-in-the-Nation UAS Traffic Management ("UTM") system beyond visual line of sight tests at Stead Airfield**. Nevada/NIAS served as air space management authority ("Airboss") for these tests performed under the NV UAS Test Site COA. The recently-dedicated NUANCE Lab provided unique airspace tracking and simulation scenarios. UNR provided computing and software development expertise while Nevada-based contractors such as Drone America and GC2IT provided specialized support. The Reno-Tahoe Airport Authority provided their as-usual stellar landside and airside support to all clients. The final week of October 17-21 culminated in the multiple flights of airframes from many of the world's leading UAV manufacturers while Oct 19 was the NASA-sponsored media day attended by local and regional press entities.
4. **The Nevada UAS Test Site, in partnership with the North Dakota UAS Test Site, was awarded a first-in-Nation FAA task order** to support FAA's development of UAS Countermeasure(C-UAS) tracking and mitigation systems. The tests will culminate in Nevada and North Dakota personnel supporting FAA live tests at a large midwestern airport, TBD by FAA, during the month of November, 2017.

5. The Nevada Center for Advanced Mobility (CAM) met with GENIVI, a non-profit driving the broad adoption of open source, In-Vehicle Infotainment (IVI) software, and companies such as Volvo, Jaguar Landover, Delphi, and Harman to refine a demonstration project to be deployed in Nevada. The opportunity **increases activity and exposure to the opportunity Nevada offers in Advanced Mobility.**
6. Nevada Center for Advanced Mobility with the Regional Transportation Commission of Southern Nevada closed their **Pedestrian Safety Mobility Challenge aimed at attracting novel technology solutions from around the world.** 41 responses were received and the next steps include selecting 2-3 solutions to be deployed in pilot programs on the streets of Las Vegas.
7. The Knowledge Fund supported UNLV International Gaming Institute (IGI) is once again taking the lead in gaming research, this time by offering **an innovative course this fall that will allow UNLV students to explore one of the most significant phenomena in popular culture today: eSports.** In the eSports Lab, students will explore multiple facets of eSports and produce presentations and business plans relevant to the casino industry.
8. **The Knowledge Fund seeded and supported Applied Innovation Center announced at an event held at DRI that Renown Health and the AIC are collaborating with 23andMe,** a leading personal genetics company, to launch one of the first community-based population health studies in the U.S. that will combine health, population and genetic information with environmental data and return 23andMe genetic results to study participants. This pilot study will offer community members the opportunity to volunteer for research and gain access to their individual genetic information at no cost. Initially, the study was to be opened to 5,000 Nevada residents however, due to overwhelming demand soon doubled to 10,000 with a waiting list of approximately 3,000. Results from the study will help to build predictive models, look for significant population health factors across demographic variables (such as gender, age, income, location), and distinct population health data that consider community health, individual health, and chronic disease variables, as well as their interactions.
9. **The Nevada Board of Regents and the Nevada State Board of Education met in a historic joint-session on October 21, 2016** (the last joint meeting took place in 2007) and passed a joint-resolution to *express support for full integrated, effective, and clear career pathways through Nevada's public education system.* The joint-resolution particularly singled out GOED's developed LEAP framework. Mr. Karsten Heise, Director Technology Commercialization, delivered a presentation and an overview of LEAP.

10. Mr. Randy Walden, Advanced Manufacturing Sector Specialist, and Mr. Heise **conducted the first session of a series of three to review and endorse *LEAP Manufacturing*** by employers from Carson City, Douglas, Storey, and Lyon County. The intensive two-hour work sessions are being held at Western Nevada College's main campus. This concept of employer-led workshops had
11. been developed by GOED, and the WNC events follow earlier workshops held with manufacturers from Reno, Sparks and TRIC that took place in early summer 2016. The sessions are part of a formal *Employer Engagement Process* standardized by GOED and OWINN.
12. Mr. Walden is **leading an effort to roll out LEAP Manufacturing in Southern Nevada and so far two leadership team meetings under GOED and OWINN leadership have been held in Las Vegas**. Mr. Walden and Mr. Heise have also commenced work for a LEAP Manufacturing & Mining framework for rural Nevada and met in Elko with Great Basin College; the Nevada Mining Association is also supporting this effort. A draft framework is expected to be ready in the coming quarter.
13. The *Living Lab* Metro area Reno has been **making progress with UNR signing an MOU and NDA with Fraunhofer IVI, Dresden, Germany**. In addition, **an MOU between UNR and the Regional Transportation Commission North (RTC) has also been signed**. The *Living Lab* concept has been spearheaded by GOED's Mr. Heise and represents a 'User-Centered, Open-Innovation Living Laboratory Ecosystem' for Automated- and Connected- Vehicles. The goal of establishing Living Labs is to allow the testing of synchronized mobility technologies in complex urban environments. This real life environment would provide the capability for industry, academia and applied research institutions to research, commercialize, develop and test complete ranges of new mobility technologies required to succeed in this fast emerging new market. An equivalent Living Lab for the Metro area Las Vegas is currently being worked on and an initial research and development project has been identified at UNLV.
14. The Nevada Film Office (NFO) website, www.nevadafilm.com has been recently updated to provide more streamlined and concise information for productions interested in filming in Nevada and to promote Nevada to the international industry. Mobile friendly, the website is consistently updated to provide immediate access to search film locations, find crew and services, and promote Nevada as a film tourism destination. **Website traffic for the last six months versus the prior 6 month period is up 8% from Google searches and 40% direct organic traffic**. NFO social media promotions are driving increased traffic to our website.
15. Recent productions that have registered or completed filming in Nevada include music videos by Bruno Mars, reality TV shows by The Property Brothers, a feature film starring Nicholas Cage, and commercial productions for Freightliner Trucks and Mercedes AMG.

16. The Nevada Procurement Technical Assistance Center (PTAC) **hosted an annual business matchmaker event in Fallon at the Fallon Convention Center** on October 19, 2016. The event was held in association with the U.S. Small Business Administration, State of Nevada Department of Business and Industry, and the Nevada Small Business Development Center. The matchmaker event allowed approximately 35 business representatives to meet directly with procurement professionals from local, state and federal government, as well as with agency prime contractors and Nevada PTAC resource partners. In a single setting, the business attendees were able to learn about what the different agencies buy and the procuring entities gained exposure to potential sources of goods and/or services.
17. The Nevada PTAC **continues to assist Clark County's Small Business Opportunity Program (SBOP)**, which began on August 11, 2016. The SBOP program is designed to help small businesses that are looking to increase their capacity to compete for contracts. The Nevada PTAC, for example, has helped small business owners learn about the importance of a capability statement for their respective companies and what to include, and has provided constructive feedback on submitted draft documents. Capability statements are essential marketing tools to government agencies, prime contractors, and prospective teaming partners.
18. Mr. Vance Farrow **convened the Governor's Graduate Medical Education (GME) Task Force and led the group to create recommendations for the expansion of graduate medical education via Round 2 of funding totaling \$5,000,000.** Recommendations were submitted to the Governor's Office and subsequently approved. Total \$10M GME funding will yield an expanded 303.5 medical residency slots once all seats have matriculated. Specialty areas funded include adult and child psychiatry, obstetrics & gynecology, internal medicine, family practice, and geriatrics. The breakdown of new/expanded slots per specialty area is as follows:

	<u>First Year Slots</u>	<u>Program Years</u>	<u>Total Slots</u>
Psychiatry	10	4	40
Internal Medicine	35	4	140
Family Medicine	22	3	66
Obstetrics & Gynecology	13	4	52
Geriatric Medicine	5.5	1	5.5

19. The UNLV School of Medicine received preliminary accreditation and may now begin accepting its charter class for the 2017 school year. Mr. Farrow was invited by the School of Medicine to assist in hosting the Liaison Committee on Medical Education (LCME) for a site visit to assess readiness of the School of Medicine. Next steps include joining the Association of American Medical Colleges and accepting students by March 2017. Full accreditation is expected to be achieved by the fourth year of the school's operation.

20. Mr. Bob Potts, GOED's Research Director, **was recently awarded the EDAWN Coin at the annual EDAWN Existing Industry Awards banquet.** The EDAWN coin is used to recognize and show appreciation to those in the community who have exhibited exceptional leadership, engagement, and **support of Reno-Sparks regional economic development efforts.**
21. Throughout the fall, Mr. Potts also played a key role in **assisting the Governor's Office of Workforce Innovation (OWINN)** by presenting his workforce research and analysis to the recently revamped Industry Sector Councils. This information was customized for each Sector Council to provide baseline, data driven identification of priority staffing needs, the current inventory of those workers, and the existing education and training capacity for those positions. This analysis brought focus and context to each Sector Council discussion for OWINN to aggregate up for final priority workforce development funding recommendations.
22. Mr. Potts recently travelled to Washington D.C. with six other state, local, and private sector representatives to make Nevada's pitch for the tier two New Skills for Youth Grant funding. Previously, the team was successful in securing the tier one funding (\$100,000) which was used to develop the tier two grant application that outlines a permanent, New Nevada centric, career path framework. If successful, **this privately funded grant would bring up to \$2 million to support the implementation and development of the initiative.**
23. In September of 2016 Mr. Sheldon Mudd, Mining Industry Specialist, attended the International Mining Expo in Las Vegas. Mr. Mudd cultivated existing international relationships by arranging multiple **meetings with over 20 companies from Australia and Northern Ontario Canada.** Mr. Mudd also supported NNRDA's recruitment efforts by engaging an additional 16 companies interested in expanding their businesses into Nevada. Capping off the event, Mr. Mudd facilitated a meeting between the rural communities of Northern Canada (Sault St. Marie, Timmons, Thunder Bay, Sudbury, North Bay) and those of Northern Nevada where representatives discussed various challenges and advantages that are associated with each region. Mr. Mudd is currently working with the Ontario Ministry of Northern Development and Mines to facilitate a Canadian delegation of rural civic leaders to rural Nevada in mid to late 2017.
24. On October 17, 2016 Mr. Mudd was invited to speak at the Annual General Meeting of the Nevada Mineral Exploration Coalition (NMEC) regarding possible economic effects associated with the BLM's proposed 2.7 million acre sage grouse mineral withdraw. NMEC is a coalition of small businesses and individuals who are committed to working with the public in order to increase the understanding and appreciation of the pre-production components of Nevada's mineral industry and work diligently to **preserve and enhance the ability of this essential segment of Nevada's economy to insure the long-term well-being of Nevada and its citizens.**

25. The Community Development Block Grant Program (CDBG) met with staff members from the Nevada Division of Housing and the Department of Community and Behavioral Health to develop the annual Consolidated Action Plan Evaluation Report, due to HUD the end of September. CDBG staff act as the lead agency for the development of all HUD reports. The draft plan was sent to stakeholders for public comment early September; the report was submitted to HUD by the September 30, 2016 due date. **The Annual Action Plan, developed last quarter was approved by HUD and the CDBG grant agreement for the 2016 Program Year, in the amount of \$2,434,390, was received, signed and returned to HUD in October.**
26. **Eight eligible applications were received for the second round of CDBG funding.** The allocation of the 2016 Program Year funds will occur on November 4, 2016. Applicants recommended for funding will receive grant agreements in November; implementation of projects will begin January of 2017.
27. Ms. Jean Barrette, CDBG Program Administrator, attended the Council of State Community Development Agencies (COSDA) Conference in Savannah mid-September, where she facilitated a roundtable discussion on HUD required reporting and was **re-elected to the COSDA Board as the Western Regional Representative.** She also attended the Western Nevada Development District's conference in Reno, Building a Stronger Nevada, and participated in a panel titled, Infrastructure for NV Communities: Finding, Funding & Building Water Systems in Nevada, with staff members from the USDA, the State Revolving Fund, and Nevada's Deputy State Engineer.
28. **The SSBCI program received its third tranche of funding** in the amount of \$4.3M. This completes the federal allocation for this program, totaling \$13.8M.
29. GOED continues to work with the Legislative Counsel Bureau on draft regulations to Nevada Administrative Codes 231 and 360. A public hearing is anticipated for early December 2016, followed by review and approval by the Legislative Commission later that month.
30. GOED and Nevada Industry Excellence (NVIE) have agreed to coordinate our efforts to **establish Nevada as a global leader in advanced manufacturing** by appointing Mr. Walden, GOED's Advanced Manufacturing Industry Specialist, as NVIE's Manager of Strategic Initiatives. Mr. Walden will work with NVIE staff to identify new companies to recruit, assist with process and supply chain improvements, and assist in increasing exports, while identifying and implementing new programs and practices within NVIE.
31. Mr. Cory Hunt participated in a roundtable discussion on innovation in the energy sector with U.S. Deputy Secretary of Energy, Dr. Elizabeth Sherwood-Randall.

Discussion topics included potential areas for Nevada to participate in DOE research and development projects, Nevada's role in the development of the renewable energy economy, and support for entrepreneurial development and investment in renewable energy.

32. Mr. Hunt met with the U.S. Economic Development Agency (EDA) Regional Representative, Mr. Wilfred Marshall, to discuss and begin the application process for EDA grant funding for key projects in advanced manufacturing and unmanned aerial systems.
33. Mr. Walden and Mr. Hunt continue to work regularly with Faraday Future, the College of Southern Nevada and the Clark County School District on the **Workforce Innovation for a New Nevada (WINN) project to support the training of workers at Faraday's new North Las Vegas plant**. Recent developments include the initial planning for establishing a robotics training facility in North Las Vegas as well as in Northern Nevada in close partnership with a major robotics manufacturer.
34. In September, GOED welcomed **Bonnie Long** as our new Director of Administration. Prior to joining GOED, Bonnie worked in a number of management positions within the state, including her most recent position as Chief Fiscal Officer at the Division of Health Care Financing and Policy. She has held similar positions within the Department of Health and Human Services and the Department of Tourism and Cultural Affairs. She has served on the state's employee/management committee, and served our country in the United States Marine Corps. Bonnie is based in Carson City.