University of Nevada, Reno

University Center for Economic Development

Second Quarter Report
For the Period
1 October to 31 December 2018

Prepared by
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for

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Summary: In June 2006, the Center for Economic Development at the University of Nevada, Reno changed its funding cycle to begin in the month of June. Therefore, the quarterly reports after 2006 start with the month of June. Also in 2011 because of fiscal crisis in the state of Nevada and the University of Nevada, Reno, the University Center was transferred from the College of Agriculture, Biotechnology, and Natural Resources to the School of Business. The University Center still is actively engaged and funded by the Nevada Agricultural Experiment Station and the Nevada Cooperative Extension. The Center for Economic Development continued to profile statewide and technical assistance on economic development for the Second Quarter of FY 2018-2019. During the Second Quarter, the University Center produced nine applied research projects, seventeen other research projects, eleven technical and management assistance projects, six counseling and referrals, one workshops, one technical presentation, five University Center technical reports, and two journal articles under review.

Project Mix and Staff: The University Center registered activity in a wide variety of areas and has actively participated in programs throughout the state. The University Center has a staff of Thomas R. Harris, Professor in the Department of Economics, State Extension Specialist, and Director of the Center for Economic Development; Kimberly Rollins, Associate Professor in the Department of Economics; Fred Steinmann, Assistant Research Professor in the College of Business; Malieka Bordigioni, Research Manager; Mike Helmar, Research Manager; Richard Bartholet, Research Associate; Brian Bonnenfant for the Center of Regional Studies for GIS work; Ethan Grumstrup, Graduate Research Associate in the Department of Economics, and George (Buddy) W. Borden, Community Development Specialist, who is affiliated with the University Center but is located at the Clark County Cooperative Extension Office in Las Vegas, and Marie Dennis, Administrative Assistant.
Project Summaries

A: **Marketing Activities:**

The University Center continues its technical assistance to agencies interested in marketing and promoting economic development in the state of Nevada. The University Center developed procedures to review and mail to interested populace products developed by the University Center. These products are fact sheets, technical reports, journal articles, and technical reports were published during the Second Quarter of Fiscal Year 2018/2019 by the University Center. One workshop, one technical presentation, two journal articles under review, and five University Center technical reports published. The University Center currently maintains a Facebook page the address is, [https://www.facebook.com/pages/University-Center-for-Economic-Development-UNR/1421366588119408](https://www.facebook.com/pages/University-Center-for-Economic-Development-UNR/1421366588119408), and a Web page at this address, [http://www.unr.edu/business/research-and-outreach/uced](http://www.unr.edu/business/research-and-outreach/uced). From this Web page, a person can access and download past University Center technical reports, University of Nevada Cooperative Extension fact sheets relating to University Center projects, Regional Economic Information System data developed by the U.S. Bureau of Economic Analysis for the state of Nevada and its seventeen counties, and selected historical and current economic data from various state agencies. Links to other key sites can also be found. The site is continuously being updated with reports and new data sets. University Center technical bulletins from 1992 up to the current date are available to download in Adobe PDF format.

As part of the Center’s efforts to reach out to a broader audience, a Facebook page for the Nevada Leadership Program was launched in October 2014. The address is [https://www.facebook.com/NevadaLeadershipInstitute?ref=hl](https://www.facebook.com/NevadaLeadershipInstitute?ref=hl). From the Nevada Leadership Program’s Facebook page, interested parties can get information on upcoming training workshops and professional development opportunities offered by the Nevada Leadership Program. An “Archives & Resources” page on the Nevada Leadership Program’s website also houses previous publications, links to partner organizations, and material for past workshops and conferences hosted by the Nevada Leadership Program.

B. **Applied Research:**

1. **Client:** Western Rural Development Center

**Location of Project:** Western States of the Nation

**Nature of Project:** A US Department of Agriculture National Institute of Food and Agriculture (NIFA) four-year grant titled Area Sector Analysis Process (ASAP) is in the second year.

**Action:** ASAP has been implemented in Arizona, California, Idaho, Minnesota, Montana, New Mexico, Nevada, and Utah. ASAP implementations are underway in AZ in the town of Douglas and counties of Graham and Greenlee. ASAP implementations are also underway in Washington County, UT and Kenai Borough Peninsula, AK. A modified ASAP is underway with the Hopi Tribe in AZ under an Economic Development Administration grant. ASAP is
ASAP implementations have been recently completed in Wilcox, Arizona, and Utah Counties of Carbon and Emery. (Assignment continues)

2. **Client:** U.S. Department of Health and Human Services and U.S. Department of Agriculture  
   
   **Location of Project:** State of Nevada  
   
   **Nature of Project:** Nevada, Pennsylvania, Kentucky, Missouri and Oklahoma were chosen as pilot states for a National Rural Health pilot project called Operation Rural Health Works.  
   
   **Action:** Developing statewide analysis of economic impacts of health care sectors for Nevada county economies. (Assignment continues.)

3. **Client:** Nevada Arid Research Institute  
   
   **Location of Project:** State of Nevada  
   
   **Nature of Project:** An initial analysis of trichomoniasis vaccine by Nevada ranchers has been initiated. Alternative trichomoniasis infection reduction management scenarios will be programmed into a whole-ranch simulation model.  
   
   **Action:** A journal article is being developed from a doctoral dissertation on the adoption of trichomoniasis vaccine by Nevada ranchers. (Assignment continues.)

4. **Client:** University of Nevada NSF-EPSCoR group.  
   
   **Location of Project:** State of Nevada  
   
   **Nature of Project:** The development proposal for NSF-EPSCoR Solar Nexus Project has been accepted and research has been initiated.  
   
   **Action:** The last of a five-year project is underway. One journal article has been accepted for publication and another article is being developed for review (Assignment continues.)

5. **Client:** State of Nevada  
   
   **Location of Project:** State of Nevada  
   
   **Nature of Project:** Investigate growth pattern of entrepreneurship through last two recessions and expansions.  
   
   **Action:** Dynamic shift-share analysis has been completed. A University Center technical report and a journal article are currently being developed. (Assignment continues.)
6: **Client:** US Fish and Wildlife Service and US Bureau of Land Management  

**Location of Project:** State of Nevada  

**Nature of Project:** Develop proposal to drive the feasibility of a native seed industry for the state of Nevada.  

**Action:** Proposal developed and sent to state directors of US Fish and Wildlife Service and US Bureau of Land Management. An initial publication has been drafted and is currently being reviewed. (Assignment continues).

7: **Client:** State of Nevada Governor’s Office of Economic Development  

**Location of Project:** State of Nevada  

**Nature of Project:** Estimation of economic and occupational clusters for targeted Advanced Manufacturing cluster.  

**Action:** Cluster study has been completed and University Center technical publication is being developed. Also, occupational targets for advanced manufacturing are being estimated. (Assignment continues).

8: **Client:** U.S. Bureau of Land Management and Forest Service  

**Location of Project:** State of Nevada  

**Nature of Project:** Nevada counties are faced everyday with changing social, economic, and fiscal conditions that can impact future growth and stability. This is why timely and accurate socioeconomic baseline is essential for effective local decision-making, especially when 87 percent of Nevada land is publically owned. This program establishes a strong partnership with public land agencies and local counties to collaboratively develop accurate baseline data sets and impact assessment tools. These resources and tools will aid in the planning and decision-making process that communities are faced every day.  

**Action:** A proposal was developed for funding. U.S. Forest Service and U.S. Bureau of Land Management have funded the project. An initial workshop covering the project and developing an oversight committee. Initial data collection and analysis has been initiated. (Assignment continues).
9. **Client**: Carson City Airport.

**Location of Project**: Carson City, Nevada

**Nature of Project**: Estimation of operation and construction activities of Carson City Airport on the Carson City economy.

**Action**: Report completed and sent to Caron City Airport. (Assignment completed).


C. **Other Research Projects**

1. **Client**: Nevada Chapter of the American Planning Association; State Land Use Planning Advisory Committee (Nevada Department of Conservation and Natural Resources)

**Location of Project**: Reno, Nevada

**Nature of Project**: Assist in the revision and writing of a new planning handbook.

**Action**: As part of the Nevada Leadership Program, UCED faculty are working with the Nevada Chapter of the American Planning Association and the State Land Use Planning Advisory Committee to revise previous planning handbooks designed for planning commissioners and other planning professionals in Nevada. Publication of the 2017 Nevada Planning Guide was completed in May 2017. An electronic copy of the 2017 Nevada Planning Guide has been posted on the website of the Nevada Chapter of the American Planning Association and the website of the Nevada Leadership Program-University Center for Economic Development. University Center for Economic Development faculty, along with representatives from the Nevada Chapter of the American Planning Association, have presented hard copies of the 2017 Nevada Planning Guide to every municipal and county planning commission, county commission, and city council in Carson City, Douglas County, Lyon County, Storey County, and Washoe County. University Center for Economic Development faculty and representatives from the Nevada Chapter of the American Planning Association are now preparing to present a hard copy of the 2017 Nevada Planning Guide to every city council member, county commissioner and municipal and county planning commission in the rest of the state of Nevada. As of January 2018, University Center for Economic Development faculty and representatives from the Nevada Chapter of the American Planning Association have presented the 2017 Nevada Planning Guide to county commissions, school districts, city councils and planning commissions in Washoe County, Carson City, Douglas County, Storey County and Lyon County. Beginning in May 2018, University Center for Economic Development faculty presented copies of the February 2017 Nevada Planning Guide to various elected and appointed boards in Pershing County, Churchill County, Mineral County, Nye County, Esmeralda County, Humboldt County and Lander County. (Assignment completed)
2. **Client:** Nevada Agricultural Experiment Station and Cooperative Extension  
   **Location of Project:** State of Nevada  
   **Nature of Project:** Estimating budgets for different range livestock operations in the state of Nevada.  
   **Action:** Production and cost information being collected to develop Nevada range livestock budget. (Assignment continues)

3. **Client:** Food and Agricultural Policy Research Institute  
   **Location of Project:** U.S., Western U.S., and State of Nevada  
   **Nature of Project:** This is the annual collaborative project with the University of Missouri providing the FAPRI baseline. Summary tables and the Baseline Briefing Book are on the UCED website.  
   **Action:** This quarter the emphasis was on updating the international crops model to incorporate changes to Chinese tariffs against U.S. agricultural commodities and to incorporate China’s new ethanol policy.  
   Econometric estimates of net imports for corn, wheat, and soybeans were completed and incorporated into the model. In addition, weighted tariffs were calculated to estimate the impact of U.S. versus other exporting countries tariffs on the Chinese market.

4. **Client:** Office of the Chief Economist- USDA  
   **Location of Project:** Washington, D.C., Michigan State University, and Reno, Nevada  
   **Nature of Project:** Collaborative effort with the National Center for Food and Agricultural Policy, Michigan State, FAPRI-Missouri and the Office of the Chief Economist- USDA producing alternative scenario for European Union ethanol and biodiesel markets to analyze the impacts of the new Chinese ethanol policy on biofuels markets and prices  
   **Action:** Comparative qualitative analysis of biofuels market performance during the U.S. ethanol mandate implementation (2006-2015) to what could be expected for the implementation of the Chinese update.

5. **Client:** Washoe County (Reno)  
   **Location of Project:** State of Nevada and Western SMSA’s
**Nature of Project:** Estimation of activity of Reno-Sparks SMSA relative to other SMSA’s in Western United States.

**Action:** Data and analysis are being conducted to derive scorecard. A University Center publication is being developed. (Assignment continues)

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6. **Client:** ImMache Livestock Sector Research Funds

**Location of Project:** State of Nevada

**Nature of Project:** Estimation of impacts of reduced grazing allotments on public lands by using Compatible General Equilibrium (CGE) models.

**Action:** Proposal developed and accepted. The first phase of the project has been completed. The budgets for Basin & Range regions have been collected and updated to reflect 2014-2016 average costs and revenues for the western cow-calf industry.

The second phase of the project is underway. This phase compiles beef cow inventories for each county in the Basin & Range regions and aggregates them to match the geography of each budget. The per bred cow values for each budget are then multiplied by the beef cow numbers corresponding to the area to obtain total costs and revenues. From these direct impacts, a computable general equilibrium model will be employed to estimate total countywide economy impacts. (Assignment continues)

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7. **Client:** National Public Lands Council

**Location of Project:** State of Nevada

**Nature of Project:** Estimate the economic impacts of underused AUMS on public lands on Western US economics.

**Action:** Proposal accepted and final report developed and sent to Public Land Council. (Assignment continues)

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8. **Client:** Lyon County

**Location of Project:** Lyon County, Nevada

**Nature of Project:** A Strategic Plan for Lyon County, Nevada

**Action:** UCED faculty are currently working with the county government of Lyon County to develop a new five-year strategic plan for Fiscal Year 2018 through Fiscal Year 2022. A series of community workshops will be held to solicit input from the community, elected and appointed officials, and government executives on various aspects of the strategic plan. The
first community workshop will be held in Yerington, Nevada on Friday, February 17, 2017 and additional community workshops will be held throughout the county in different locations in the first half of 2017. Several UCED technical reports will be produced and published by UCED faculty and staff summarizing the results of the various community workshops and the final five-year strategic plan for Lyon County for Fiscal Year 2018 through Fiscal Year 2022. As of January 2018, the first round of community strategic planning workshops have been completed and a summary of the first round of workshops is being developed. A second round of community workshops, scheduled to start in March 2018, are currently being development. The second round of community strategic planning workshops, held in Yerington, Nevada, Smith, Nevada, Silver Springs, Nevada, and Dayton, Nevada, were completed in April 2018 and May 2018 and a draft strategic plan has been completed. A third community workshop will be held in Silver Springs, Nevada on August 11, 2018. (Assignment continues)

Steinmann, Frederick A. and Richard Bartholet. A Strategic Plan for Lyon County for Fiscal Year 2018 Through Fiscal Year 2022: Summary Results of Strategic Planning Community Workshop Number 1. University Center Technical Report 2017/18-12, June 2018


9. Client: Lincoln County

Location of Project: Lincoln County

Nature of Project: Assisted in development of grant to USDA-Rural Development to estimate potential economic and development opportunities from proposed mountain bike trails in Lincoln County. A final report has been completed.

Action: A final report has been completed. A review of final report is currently underway. (Assignment continues)

10. Client: City of Fernley

Location of Project: Fernley, Nevada

Nature of Project: Update and revision of the City of Fernley’s Masterplan and Comprehensive Land Use Plan

Action: Through WoodRodgers, Inc., the University Center for Economic Development has been hired to complete a comprehensive update and rewrite of “Chapter 1: Population, Housing and Employment Element” for incorporation into a new Masterplan and Comprehensive Land Use Plan. The final University Center for Economic Development
technical report has been prepared, published and delivered to WoodRodgers, Inc. and the City of Fernley. (Assignment completed)


11. Client: Lyon County Library System

Location of Project: Lyon County, Nevada

Nature of Project: A Five-Year Strategic Plan for the Lyon County Library System

Action: The Lyon County Library System has contracted with the University Center for Economic Development to facilitate and complete a new five-year strategic plan. The first strategic planning workshop is scheduled for February 3, 2018 and the second strategic planning workshop is scheduled for March 3, 2018. Two University Center for Economic Development technical reports have been prepared, published and presented to the Lyon County Library System. The completed strategic plan for the Lyon County Library System, for Fiscal Year 2020 through Fiscal Year 2024, has been presented to the Lyon County Library System Board and the Lyon County Board of County Commissioners and a final review strategic planning community workshop has been scheduled for August 25, 2018 in Silver Springs, Nevada. (Assignment completed)


12. Client: Stonegate

Location of Project: Reno, Nevada

Nature of Project: Assessment and Summary of Active Special Assessment Districts in the State of Nature

Action: The University Center for Economic Development has been contracted by Stonegate, a planned use development project planned for a location in the City of Reno, to complete a comprehensive assessment of all Special Assessment Districts, as defined by Nevada Revised Statute Chapter 271, currently operating throughout the State of Nevada. Stonegate may possibly use this analysis to structure a new Special Assessment District for the Stonegate development to cover infrastructure and maintenance expenses associated with

13. **Client:** Reno Elks Lodge #597

**Location of Project:** Reno, Nevada

**Nature of Project:** A Strategic Plan for the Reno Elks Lodge #597

**Action:** The University Center for Economic Development has been contracted by the Reno Elks Lodge #597 to facilitate and develop a five-year strategic plan for the organization. University Center for Economic Development faculty are currently working with representatives from Reno Elks Lodge #597 to schedule two strategic planning workshops that will likely begin in March 2018. The first strategic planning workshop for the Reno Elks Lodge #597 was held on March 10, 2018 and the second strategic planning workshop for the Reno Elks Lodge #597 was held on June 23, 2018. One University Center for Economic Development technical report summarizing the results of the first workshop has been prepared and published and a second technical report is currently being developed. (Assignment continues)

Steinmann, Frederick A.  **A Strategic Plan for the Reno Elks Lodge #597 for Fiscal Year 2020 through Fiscal Year 2025: Summary Results of Strategic Planning Workshop No. 1.**  University Center Technical Report 2017/18-17, April 2018.

Steinmann, Frederick A.  **A Strategic Plan for the Reno Elks Lodge #597 for Fiscal Year 2020 through Fiscal Year 2025.**  University Center Technical Report 2017/18-19, August 2018.

14. **Client:** Jeffrey Brooks

**Location of Project:** Reno, Nevada

**Nature of Project:** An Analysis of Microgridding and their Potential Application in Nevada

**Action:** The University Center for Economic Development has been contracted by Jeffrey Brooks to complete a comprehensive assessment of the economic feasibility of microgridding in Nevada. The assessment will also include an evaluation of potential barriers in Nevada that may prohibit the successful development of microgridding in Nevada. A University Center for Economic Development technical report will be developed summarizing the results of this analysis. (Assignment continues).

**15. Client:** Southwest Gas Company

**Location of Project:** Spring Creek, Nevada

**Nature of Project:** Estimation of economic, employment, and labor income impacts of natural gas service expansion to Spring Creek, Nevada.

**Action:** Proposal accepted and study initiated. (Assignment continues).

**16. Client:** City of Fernley

**Location of Project:** Fernley, Nevada

**Nature of Project:** Development of a new Redevelopment District and Redevelopment Agency for the City of Fernley.

**Action:** Faculty from the University Center for Economic Development have been assisting the City of Fernley, Nevada in the development and creation of a new redevelopment district and redevelopment agency for the City of Fernley. A comprehensive property survey of approximately 4,000 parcels was completed in the Summer 2017 and University Center for Economic Development faculty have facilitated five separate community redevelopment workshops as part of the public outreach process. Faculty have also completed multiple public presentations to the City of Fernley Planning Commission, the City of Fernley City Council, the Lyon County Board of County Commissioners, the Lyon County School District Board of Trustees, and the Fernley Chamber of Commerce. (Assignment continues)


**17. Client:** Carson City Library

**Location of Project:** Carson City Library

**Nature of Project:** Development of a new five-year strategic plan for the Carson City Library.
Action: This project was started in December 2018. A preliminary ‘kick-off’ meeting to discuss aspects of the strategic plan was held with Carson City Library staff in December 2018. Currently working with Carson City Library staff to develop a community needs assessment survey and schedule a series of four strategic planning community workshops. (Assignment continues)

D. Technical and Management Assistance Projects

1. Client: U.S. Economic Development Administration

Location of Project: Idaho Economic Development District Region III

Nature of Project: Review of Idaho Economic Development District Region III and develop recommendations for new administrative and organizational structure.

Action: UCED staff led a strategic plan meeting in Boise, Idaho to initiate creation of Region III in the state of Idaho. Additional studies to assist creations of Region III may be initiated (Assignment continues).

2. Client: University Center for Economic Development

Location of Project: Metropolitan Areas of the U.S.

Nature of Project: Develop economic activity index for metropolitan counties in the U.S.

Action: Statistical procedures are being applied to develop an economic activity index for U.S. metropolitan counties. (Assignment continues).

3. Client: Duckwater Shoshone Tribe

Location of Project: Duckwater, Nevada


Action: Assistance for CEDS development has been initiated. (Assignment continues).

4. Client: Yerington Paiute Tribe

Location of Project: Yerington, Nevada


Action: Assistance for CEDS development has been initiated. (Assignment continues).
5. **Client:** Dean of the University of Nevada, Reno College of Agriculture, Biotechnology, and Natural Resources  
**Location of Project:** Eureka County, Nevada  
**Nature of Project:** Develop business plan for a sheep research station in Eureka County.  
**Action:** An initial business plan was developed and is being updated. (Assignment continues)

6. **Client:** State of Nevada Economic Development Authorities  
**Location of Project:** State of Nevada  
**Nature of Project:** A statewide workshop on Comprehensive Economic Development Strategy was developed and presented in Tonopah, Nevada.  
**Action:** A program was developed and presented in Tonopah, Nevada. (Assignment completed).

7. **Client:** University of Nevada College of Agriculture, Biotechnology, and Natural Resources  
**Location of Project:** State of Nevada  
**Nature of Project:** Collection of socio-economic data for the state and counties in Nevada.  
**Action:** Socio-economic data is being collected. (Assignment continues)

8. **Client:** Western Rural Development Center  
**Location of Project:** Western United States  
**Nature of Project:** Develop a workforce-training program covering the Gig Economy of the Western States.  
**Action:** Initial meeting completed and assignments made. (Assignment continues)

9. **Client:** Lander Economic Development Authority (Lander County)  
**Location of Project:** Battle Mountain, Nevada
**Nature of Project:** Complete a four-year and annual evaluation of the 2014 Comprehensive Economic Development Strategy for Lander County.

**Action:** Completed a half-day evaluation workshop in Battle Mountain, Nevada on May 2, 2018, published a University Center for Economic Development technical report summarizing the results of the half-day evaluation workshop, and made presentations regarding the summary to both the Lander County Board of County Commissioners, the Lander County Planning Commission, and the Lander Economic Development Authority. The technical report and a cover letter have been sent to the US EDA office in Los Angeles, California. (Assignment completed)


**10. Client:** Nevada Rural Housing Authority

**Location of Project:** Carson City, Nevada

**Nature of Project:** Requested to complete an analysis of economic impacts of multi-family 300 unit-mix income housing project.

**Action:** Analysis was completed and report sent to NRHA. (Assignment completed).

**11. Client:** Nevada Agricultural Experiment Station

**Location of Project:** Estimation of potential hoop house expansions for Catholic Charities.

**Nature of Project:** Complete initial business plan for Catholic Charities.

**Action:** Initial business plan completed. (Assignment completed).


**E. Counseling and Referrals:**

1. **Client:** Eureka County Cooperative Extension

   **Location of Project:** Eureka County, Nevada

   **Nature of Project:** Requested copy of Cooperative Extension Fact Sheet estimating impacts of rangeland fires in 1999.
Action: University of Nevada Cooperative Extension Fact Sheet found and sent to Eureka County Cooperative Extension Office. (Assignment Completed).

2. **Client:** Renown Hospital  
   **Location of Project:** Reno, Nevada  
   **Nature of Project:** Requested economic, employment, and labor income multipliers for the Hospital Sector in Washoe County, Nevada.  
   **Action:** Multipliers calculated and sent to Renown Hospital. (Assignment completed).

3. **Client:** Reno, Nevada  
   **Location of Project:** Reno, Nevada  
   **Nature of Project:** Congressman Amodei meeting with FEMA leaders.  
   **Action:** Attended meeting and discussed impacts of rangeland fires on State of Nevada. (Assignment completed).

4. **Client:** Reno-Sparks Indian Colony  
   **Location of Project:** Reno, Nevada  
   **Nature of Project:** Meeting to discuss potential project to derive potential economic expansion on new lands to Reno-Sparks Indian Colony.  
   **Action:** Proposal developed and being reviewed. (Assignment continues).

5. **Client:** Western Nevada Development District  
   **Location of Project:** WNDD Area  
   **Nature of Project:** Assist WNDD in collecting data for update of WNDD CEDS.  
   **Action:** Attended first meeting and will support WNDD as asked. (Assignment completed).
6. **Client:** Reno Championship Air Races

**Location of Project:** Reno, NV

**Nature of Project:** Collect primary survey data to estimate economic impact of special event to Washoe County, NV.

**Action:** Meeting to discuss logistics of repeating methodology applied in 2014 and 2016. (Assignment continues).

**F. Workshops and Seminars:**

1. **Client:** Carson City Airport Board of Supervisors

**Location of Workshop:** Carson City, Nevada

**Nature of Workshop:** Presented initial findings of the economic impacts of operation and construction activities of Carson City airport on the Carson City economy.

**Action:** Presentation made to Carson City Airport Board of Supervisors (Assignment completed).

**G. Technical Presentations and Lectures by University Center Staff:**

1. **Client:** University of Nevada, Reno

**Location of Lecture:** Reno, Nevada

**Nature of Lecture:** Presentation on the opportunities and challenges for Rural Nevada and Poland at the UNR College of Business and SGH Warsaw School of Economics Joint Symposium.

**Action:** Made presentation at symposium. (Assignment Completed)

**H. Journal Articles and Publications for Fiscal Year 2018/19:**


University Center Technical Reports for Fiscal Year 2018/19:


