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 Third quarter of FY 2017-2018. During the Third quarter, the University Center produced nine applied research projects, fifteen other research projects, eleven technical and management assistance projects, three counseling and referrals, one workshop, one technical presentation, seven University Center technical reports, and one journal article accepted and two 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 Steinman, Assistant Research Professor in the College of Business; Malieka Landis, 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 and journal articles. Technical reports were published during the Third quarter, fiscal year 2017/2018 by the University Center. One workshop, one technical presentation, one journal article was accepted, two journal articles under review, and seven 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, and a Web page at this address, 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. 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. The ASAP team was awarded the National Association of Development Organization Innovation Award for the six county Utah ASAP process. UCED is currently developing ASAP program for Hopi Tribe with an Economic Development
Administration grant. Also ASAP is being applied in Winslow, 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 hospital impacts to local economics for the Nevada Hospital Association. (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. (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 journal article is 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. Initial research findings are being developed into a publication. (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:** Nevada Association of Counties

**Location of Project:** State of Nevada

**Nature of Project:** Developing procedures to gather data and build an input-output vector that reflects lithium-mining operations.

**Action:** An input-output model of Humboldt County, which includes the lithium mining sector and lithium processing sector, was completed and a University Technical report was completed. Also, continued study on tax impacts of the lithium mine are being established. (Assignment continues).


9: **Client:** Six County Association of Governments, Central Utah
Location of Project: Six Central Utah Counties

Nature of Project: Implementation of ASAP project for the Six County Group in Central Utah has begun.

Action: The final ASAP output was presented in Richfield, UT in November 2017. A final report is being developed. (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. Additional presentations to various public bodies for the rest of Nevada are currently being planned and will begin in the spring of 2018. (Assignment continues)

2. Client: City of Fernley

Location of Project: Fernley, Nevada

Nature of Project: The City of Fernley has contracted with the University Center for Economic Development to complete a strategic and communications plan for the City of Fernley for the FY 2017 to FY 2021 planning horizon. The strategic and communications plan consists of developing a new set of core values, strategic mission, strategic vision,
objectives, strategies and implementation measures for the organization as the City continues to deal with new growth pressures.

**Action:** A series of community workshops were held to solicit input from the community on various aspects of the strategic and communications plan. The first community workshop was held in Fernley, Nevada on Saturday, November 7, 2015, the second community workshop was held on Saturday, January 23, 2016, and the third community workshop was held on Friday, February 26, 2016. The final community workshop was held on Saturday, July 30, 2016. One UCED technical report, summarizing the results of the first community workshop, has already been completed and submitted to the City of Fernley. An additional UCED technical report, summarizing the City of Fernley’s strategic plan for Fiscal Year 2017 through Fiscal Year 2021 has also been completed and submitted to the City of Fernley. One additional UCED technical report, outlining a strategic communications plan for the City of Fernley, has been published and presented to the City of Fernley City Council and City of Fernley Planning Commission in September 2017 and in October 2017. University Center for Economic Development faculty and staff are preparing a one-page priority projects and initiatives list for the Strategic Communications Plan for the City of Fernley in partnership with City of Fernley staff. Follow-up meeting with staff from the City of Fernley has been scheduled to complete an annual review of both the Strategic Communications Plan and the Strategic Plan. (Assignment continues)


**3. 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)

**4: Client:** Food and Agricultural Policy Research Institute

**Location of Project:** U.S., Western U.S., and State of Nevada

**Nature of Project:** January 2018 Baseline Update. This is the annual collaborative project providing the FAPRI baseline. Summary tables and the Baseline Briefing Book are on the UCED website.
Action: Updated the international crops model with supply/utilization, macroeconomic, price, and policy data relevant to international markets for major grains, oilseeds, cotton, and livestock.

The models were run in collaboration with researchers at the University of Missouri to provide the annual FAPRI baseline which will be utilized to compare alternative scenarios against. This year is a farm bill year and this baseline will be the basis of comparison between the status quo and new proposals. website:

Presented the international crops baseline at the FAPRI Baseline Briefing in Washington, DC on March 8-9, 2018.

Prepared the outlook for state of Nevada cow-calf, dairy, hay, and sheep and wool. This outlook was presented on March 28, 2018 to Nevada agricultural stakeholders at the 2018 Nevada Agricultural Outlook conference.

5. 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 EU trade barriers on internal biofuels markets and prices

Action: Integrating previously estimated price linkages containing EU tariff and duty variables into the FAPRI-Missouri international biofuels model to be able to simulate the impacts of removal of trade-distorting policies (Assignment continues)

6. 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)

7. 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. (Assignment continues)

8. 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 by Public Lands Counsel and data is being collected. (Assignment continues)

9. 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. (Assignment continues)

10. 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.

**Action:** Proposal developed and was accepted by USDA-Rural Development for funding. Project activity was initiated in June 2017. (Assignment continues)

11. **Client:** City of Fernley

**Location of Project:** Fernley, Nevada

**Nature of Project:** Development of a Redevelopment Plan and creation of a new Redevelopment District for the City of Fernley, Nevada.

**Action:** Beginning in June 2017, the University Center for Economic Development has begun work on development of a new redevelopment plan and creation of a redevelopment district for the City of Fernley. University Center for Economic Development faculty and staff have begun work on completing a blight survey for the approximately 4,000 parcels of property located within the redevelopment study area. University Center for Economic Development faculty and staff have made one presentation to the City of Fernley City Council and the City of Fernley Planning Commission regarding the creation and public process and have completed one public workshop with several public workshops scheduled for October 2017 through December 2017. As of January 2018, additional community workshops have been scheduled for February 2018 and development of a draft redevelopment plan, with the accompanying Owner Participation Rules/Agreement, is currently being developed and will be presented to the Fernley City Council and Fernley Planning Commission beginning in April 2018. (Assignment continues)

12. **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. A draft of this element has been prepared and University Center for Economic Development faculty are currently working with WoodRodgers, Inc. and the City of Fernley to present the results of this draft element. (Assignment Continues)

13. **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. After the completion of both workshops, a University Center for Economic Development technical report will be developed. This technical report will include a comprehensive of the new five-year strategic plan for the Lyon County Library System. (Assignment Continues)

**14. 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 the development. (Assignment Continues)

**15. 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. (Assignment Continues)

**D. Technical and Management Assistance Projects:**

1. **Client:** Laughlin Chamber of Commerce

**Location of Project:** Laughlin, Nevada

**Nature of Project:** Small Business Training Program
**Action:** Developed small business training needs questionnaire that was administered to 250 small businesses in the Colorado River Region. Results from the survey were used to develop a monthly small business training program began in the fall of 2015. (Assignment continues).

2. **Client:** Laughlin High School, Local Businesses

**Location of Project:** Laughlin, Nevada

**Nature of Project:** High School Student Summer Internship Program

**Action:** Working with local businesses a summer internship program was developed and launched in 2015. High school students applied for these summer internship jobs by meeting certain criteria. Students then attended a mandatory workshop on resume development, interviewing skills, and general workplace life skills. Participating businesses then would offer summer employment. Employment will be monitored throughout the summer. Students at the conclusion will prepare final presentation and report. (Assignment continues).

3. **Client:** US 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).

4. **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).

5. **Client:** Duckwater Shoshone Tribe

**Location of Project:** Duckwater, Nevada
**Nature of Project**: Assist Development of Comprehensive Economic Development Strategy (CEDS) for Duckwater.

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

6. **Client**: Yerington Paiute Tribe  
**Location of Project**: Yerington, Nevada  
**Nature of Project**: Assist Development of Comprehensive Economic Development Strategy (CEDS) for Yerington Paiute Tribe.  
**Action**: Assistance for CEDS development has been initiated. (Assignment continues).

7. **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. (Assignment continues)  
**Action**: Data and development of a business plan for a sheep research station is being collected. (Assignment continues)

8. **Client**: State of Nevada Economic Development Authorities  
**Location of Project**: State of Nevada  
**Nature of Project**: Developing a statewide workshop on Comprehensive Economic Development Strategy. (Assignment continues)  
**Action**: Formed planning group to coordinate statewide program. (Assignment completed)

9. **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. (Assignment continues)  
**Action**: Socio-economic data is being collected. (Assignment continues)
10. **Client:** Idaho National Guard  
**Location of Project:** State of Idaho  
**Nature of Project:** Reviewed economic input study. (Assignment continues)  
**Action:** Data and development of a business plan for a sheep research station is being collected. (Assignment continues)

11. **Client:** Western Rural Development Center  
**Location of Project:** Western United States  
**Nature of Project:** Develop a workforce training program of western states. (Assignment continues)  
**Action:** Meeting of research group intitated. (Assignment continues)

E. **Counseling and Referrals:**  
1. **Client:** Nevada Association of Counties  
**Location of Project:** Ten Northern Nevada counties  
**Nature of Project:** Discussion of socio-economic analysis of Sage Grouse habitat study.  
**Action:** Participated in the discussion. (Assignment completed.)

2. **Client:** Dean of the School of Business at the University of Nevada, Reno  
**Location of Project:** Reno, Nevada  
**Nature of Project:** Collected and analyzed socio-economic data for Washoe County.  
**Action:** Data Used by Dean in a business speech in Reno, Nevada. (Assignment completed.)

3. **Client:** Western Nevada Development District (WNDD)  
**Location of Project:** Churchill County, Nevada  
**Nature of Project:** Developed procedure to estimate impact of WNDD on the Churchill County economy.
**Action:** Data Used by Dean in a business speech in Reno, Nevada. (Assignment completed.)

**F. Workshops and Seminars:**

1. **Client:** Regional Area Sector Analysis Process Workshop  
   **Location of Workshop:** Las Vegas, Nevada  
   **Nature of Workshop:** Discussion of next year’s activities.  
   **Action:** Meeting held and action steps established. (Assignment completed)

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

1. **Client:** Nevada Agricultural Policy Seminar  
   **Location of Lecture:** State of Nevada  
   **Nature of Lecture:** Overview of trends in Nevada agricultural economy and potential of new Farm Bill. Nevada Agricultural Policy Seminar completed. (Assignment completed)

**H. Journal Articles and Publications for Fiscal Year 2017/18:**

**Journal Articles**


**University Center Technical Reports for Fiscal Year 2017/18:**


Harris, Thomas R. Preliminary Business Plan for Transfer of Merino Sheep Rafter 7 Operation to University of Nevada, Reno Agricultural Experiment Station. University Center Technical Report 2017/18-14
