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 2017-2018. During the second quarter, the University Center produced eleven applied research projects, sixteen other research projects, nine technical and management assistance projects, two counseling and referrals, three workshops, two technical presentations, five 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 Steinmann, Assistant Research Professor in the College of Business; Malieka Landis, Research Analyst; Mike Helmar, Research Analyst; 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, Office Manager.
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 second quarter, fiscal year 2017/2018 by the University Center. Three workshops, two technical presentations, one journal article was accepted, 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, 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 National Institute of Food and Agriculture (NIFA) grant titled Area Sector Analysis Process (ASAP) submitted and accepted by the US Department of Agriculture.

**Action:** ASAP has been implemented in Nevada, Montana, and Utah. A new National Institute for Food and Agriculture (NIFA) grant was accepted for three years. 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. (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:** Completed a study of the economic employment and household income impacts of Northeastern Nevada Regional Hospital on the Elko County economy. A presentation of results was presented to Elko populace. Developing statewide analysis of hospital 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 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. Proposal accepted and research has been initiated (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. (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. (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. (Assignment completed).

10: **Client:** Beaver County Utah

**Location of Project:** Beaver County

**Nature of Project:** Implementation of ASAP project for the Beaver County Utah began in spring 2017.

**Action:** ASAP model estimation completed July 2017. Initial output report and results presented to community. TEDAT employment analysis reporting and analysis is underway (Assignment continues).

11: **Client:** San Juan County Utah

**Location of Project:** San Juan County

**Nature of Project:** Implementation of ASAP project for the San Juan County Utah began in spring 2017.

**Action:** ASAP model estimation completed July 2017. Initial output report and results presented to community. TEDAT employment and analysis reporting delivered October 2017 (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: Keep Truckee Meadows Beautiful (CFA, Inc.)

Location of Project: Washoe County, Nevada

Nature of Project: Keep Truckee Meadows Beautiful has contracted with CFA, Inc. to complete a master plan for an 18-mile stretch of the Truckee River that runs from unincorporated Washoe County, through the City of Reno, through the City of Sparks, and back into unincorporated Washoe County. UCED has been subcontracted by CFA, Inc. to complete the Social Issues and Funding Issues component of the One Truckee River Management Plan that, when completed, will be submitted to Washoe County, the City of Reno, and the City of Sparks for their receipt and adoption.

Action: Two community workshops, one for Social Issues and one for Fiscal Issues, have been completed. UCED faculty produced two separate UCED technical reports, one summarizing the results of the research completed on various fiscal and administrative issues pertaining to funding and implementation of the 2016 One Truckee River Management Plan, and one summarizing the results of the research completed on various social issues pertaining to the development of strategies in the 2016 One Truckee River Management Plan. The City of Reno, Nevada, the City of Sparks, Nevada and Washoe County successfully adopted the completed draft of the 2016 One Truckee River Management Plan in September 2016. A proposal for additional research was developed and accepted by Keep Truckee Meadows Beautiful. (Assignment completed)


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 CGE models.  

**Action:** Proposal developed and accepted. Research has been initiated. (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:** Western Nevada Development District (WNDD)

**Location of Project:** WNDD area

**Nature of Project:** Develop analysis of Journey to work data and residence adjustment for counties in the WNDD area.

**Action:** University Center Technical Publication developed and sent to WNDD. (assignment completed)


10. **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)

11. **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)
12. 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)

13. 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)

14. 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 overview of the new five-year strategic plan for the Lyon County Library System. (Assignment Continues)

15. **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)

16. **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


Action: Assistance for CEDS development has been initiated. (Assignment continues).
6. Client: Yerington Paiute Tribe

Location of Project: Yerington, Nevada


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

7. Client: Highway 50 Tourism Authority

Location of Project: Communities covering the US Highway 50 Corridor (Carson City, Lyon County, Churchill County, Lander County, Eureka County, and White Pine County)

Nature of Project: Development of a comprehensive tourism study for the US Highway 50 Corridor (Loneliest Road in America) using data provided by the Nevada Division of Tourism (Travel Nevada). A University Center for Economic Development technical report has been developed and published and a presentation of the resulting analysis was presented to the Highway 50 Tourism Authority Board in December 2017. (Assignment Completed)


8. Client: Western Nevada Community College (WNCC)

Location of Project: Service area of WNCC

Nature of Project: Requested information in estimating economic impacts of WNCC on its service area economy. (Assignment continues)

Action: Procedures for university and community college impacts analysis shared with WNCC. (Assignment completed)

9. Client: Dean of the University of Nevada, Reno College of Agriculture, Biotechnology, and Natural Resources

Location of Project: Eureka County, Nevada

Nature of Project: Complete a 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)
E. Counseling and Referrals:

1. **Client:** UNR College of Agriculture, Biotechnology, and Natural Resources  
   
   **Location of Project:** Reno, Nevada  
   
   **Nature of Project:** Requested development of business plan for a Great Basin Sagebrush Restoration research station.  
   
   **Action:** Information for developing a research station was given to the college. (Assignment completed.)

2. **Client:** Reno Rodeo  
   
   **Location of Project:** Reno, Nevada  
   
   **Nature of Project:** Requested business plan for investigating that the Reno Rodeo to become a separate entity.  
   
   **Action:** Contact made with persons and awaiting further contact. (Assignment completed.)

F. Workshops and Seminars:

1. **Client:** Northeastern Nevada Regional Hospital  
   
   **Location of Workshop:** Elko, Nevada  
   
   **Nature of Workshop:** Discussion of results of the Northern Nevada Regional Hospital economic, employment, and household income impacts on the Elko County economy.  
   
   **Action:** Presentation made in Elko, Nevada on December 5, 2017. (Assignment completed)

2. **Client:** Nevada Chapter of the American Planning Association  
   
   **Location:** Carson City, Nevada  
   
   **Nature of Workshop:** 2017 Annual Conference of the Nevada of the American Planning Association.  
   
   **Action:** University Center for Economic Development faculty and staff participated in four separate conference sessions. Presentations completed. (Assignment completed)
3. **Client:** University of Nevada, Reno Planning & Construction Services Department

**Location of Workshop:** Reno, Nevada

**Nature of Workshop:** Development of a series of leadership development workshops for the staff and management team of the University of Nevada, Reno’s Planning & Construction Services Department. To be delivered through the Nevada Leadership Program.

**Action:** First workshop was held on Tuesday, January 23, 2018. The second workshop is scheduled for Monday, March 5, 2018 and the third workshop is scheduled for June 4, 2018. (Assignment Continues)

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

1. **Client:** Western Agricultural Economics Association

   **Location of Lecture:** Incline Village

   **Nature of Lecture:** Presented current and proposed changes to Nevada Cooperative Extension at an Invited Paper Session. (Assignment completed)

2. **Client:** American Agricultural Economic Association

   **Location of Lecture:** Chicago, Illinois

   **Nature of Lecture:** Presentation of yearly progress of Asset Sector Analysis Process for the USDA Agricultural and Food Research Initiative. (Assignment completed)

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

**Journal Articles**


University Center Technical Reports for Fiscal Year 2017/18:


