1. AGENDA ITEM TITLE: University of Nevada, Reno Performance Metrics Presentation

MEETING DATE: September 5-6, 2019

2. BACKGROUND & POLICY CONTEXT OF ISSUE:
The Board of Regents of the Nevada System of Higher Education has asked each of its institutions to provide an update on institutional performance metrics of accountability. President Marc Johnson will make a presentation, with supporting materials, on behalf of the University of Nevada, Reno.

3. SPECIFIC ACTIONS BEING RECOMMENDED OR REQUESTED:
President Johnson presents information for the University of Nevada, Reno’s Performance Metrics.

4. IMPETUS (WHY NOW?):
Chairman Geddes has asked that the University of Nevada, Reno make its performance metrics presentation at the September Board meeting to give the board the opportunity to have a focused discussion regarding each of these institutions.

5. CHECK THE NSHE STRATEGIC PLAN GOAL THAT IS SUPPORTED BY THIS REQUEST:
- Access (Increase participation in post-secondary education)
- Success (Increase student success)
- Close the Achievement Gap (Close the achievement gap among underserved student populations)
- Workforce (Collaboratively address the challenges of the workforce and industry education needs of Nevada)
- Research (Co-develop solutions to the critical issues facing 21st century Nevada and raise the overall research profile)
- Not Applicable to NSHE Strategic Plan Goals

INDICATE HOW THE PROPOSAL SUPPORTS THE SPECIFIC STRATEGIC PLAN GOAL
President Johnson’s presentation will update the Regents on how the University of Nevada, Reno is doing in relation to the strategic plan goals.

6. BULLET POINTS TO SUPPORT REQUEST/RECOMMENDATION:
The University of Nevada, Reno is a high-performance university focusing on learning, research and engagement. The University received the Carnegie Commission on Higher Education classification for research universities as an R1-Doctoral Universities-Very high research activity. The University is also ranked by the U. S. News and World Report as a top tier national research university in its “Best Colleges” edition annually.

In terms of the University’s impact on the economy of Nevada, it is a half-billion dollar non-profit enterprise and one of northern Nevada’s largest employers. The University serves as a base industry bringing economic resources into the economy with research grants and tuition dollars, providing well-paying jobs, creating human capital with university degrees, generating new knowledge some of which is commercialized, and attracting industry to the state.
The University has achieved accountability metrics at record levels with strong prospects for continuing improved performance. These accountability metrics show that the University is increasing in attractiveness to well-qualified students of all backgrounds, that graduation rate is growing and time to graduation is shortening, research is growing, and community recognition and support is growing. National recognitions continue to bring a positive reputation to the University of Nevada, Reno.

The University’s goal is to continue improved performance by following NSHE’s strategic goals of access, success, closing the achievement gap, workforce, and research, which align with the University’s core pillars of learning, discovery, and engagement.

7. POTENTIAL ARGUMENTS AGAINST THE REQUEST/RECOMMENDATION:
This is for information only.

8. ALTERNATIVE(S) TO WHAT IS BEING REQUESTED/RECOMMENDED:
This is for information only.

9. RECOMMENDATION FROM THE CHANCELLOR’S OFFICE:
This is for information only.

10. COMPLIANCE WITH BOARD POLICY:
- Consistent With Current Board Policy: Title #_____ Chapter #_____ Section #_____
- Amends Current Board Policy: Title #_____ Chapter #_____ Section #_____
- Amends Current Procedures & Guidelines Manual: Chapter #_____ Section #_____
- Other: _____________________________________________________________
- Fiscal Impact: Yes_____ No X_____
  Explain: This is for information only.
WHO WE ARE

• National Tier 1 University* remarkable for
  • culture of student success
  • world-improving research
  • community engagement
• More than 5,000 graduates annually
• Carnegie: doctoral, arts and sciences/professions balanced, research R-1
• Emerging Hispanic Serving Institution
• Military Friendly
• NCAA Division 1A

* U.S. News & World Report
BIG GOALS

RESPOND TO ENROLLMENT GROWTH with quality, experiential learning and move toward a student-to-faculty ratio matching our peer median, 18:1 (*access, success, closing the achievement gap, workforce development*)

HIGH IMPACT RESEARCH UNIVERSITY measured by Carnegie classification R-1 (*research*)

SERVE AS A PILLAR OF ECONOMIC DEVELOPMENT in the New Nevada (*success, research, workforce, engagement*)
Access:
Increased Participation in Post-Secondary Education
GOAL 1: ENROLLMENT GROWTH; EXPERIENTIAL LEARNING; 18:1

Growing state population and the responsibility to serve all who qualify

Nevada needs an educated workforce for traditional industries and emergence of new fields for economic diversification

18:1 provides more opportunity for student-faculty interaction

(access, success, closing the achievement gap, workforce development)
FALL ENROLLMENT

*Estimated based on available information as of July 30, 2019
### ADMISSION

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<tbody>
<tr>
<td>Average Freshman ACT</td>
<td>22.8</td>
<td>22.8</td>
<td>23.3</td>
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<td>23.7</td>
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<tr>
<td>Average High School</td>
<td>3.35</td>
<td>3.33</td>
<td>3.30</td>
<td>3.35</td>
<td>3.37</td>
<td>3.38</td>
<td>3.38</td>
<td>3.40</td>
<td>3.42</td>
<td>3.45</td>
<td>3.45*</td>
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<td>GPA</td>
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<tr>
<td>Freshmen Special</td>
<td>312</td>
<td>377</td>
<td>367</td>
<td>129</td>
<td>107</td>
<td>98</td>
<td>132</td>
<td>70</td>
<td>142</td>
<td>219</td>
<td>216*</td>
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<tr>
<td>Admits</td>
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<tr>
<td>Presidential/National</td>
<td>189</td>
<td>230</td>
<td>264</td>
<td>306</td>
<td>350</td>
<td>386</td>
<td>484</td>
<td>504</td>
<td>687</td>
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<tr>
<td>Merit</td>
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<tr>
<td>National Hispanic</td>
<td>4</td>
<td>6</td>
<td>9</td>
<td>22</td>
<td>23</td>
<td>32*</td>
<td></td>
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<tr>
<td>Scholars</td>
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</tbody>
</table>

*Estimated based on available information as of July 30, 2019

*Students arrive increasingly better prepared with rising GPAs and ACT scores.*
$170 Million in Student Financial Aid AY18-19

• Types:
  • Scholarships: 22%
  • Grants: 23%
  • Loans: 55%

• Sources
  • Institutional: 18%
  • State: 12%
  • Federal: 63%
  • Private: 7%

• Millennium: 67% of incoming freshmen
<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Average New Freshman Credits</td>
<td>14.6</td>
<td>14.5</td>
<td>14.4</td>
<td>14.6</td>
<td>14.7</td>
<td>15.3</td>
<td>15.5</td>
<td>15.7</td>
<td>15.6</td>
<td>15.7</td>
<td>15.8*</td>
</tr>
<tr>
<td>Avg. Undergraduate Credit Load</td>
<td>12.8</td>
<td>12.9</td>
<td>12.9</td>
<td>13.0</td>
<td>13.1</td>
<td>13.4</td>
<td>13.7</td>
<td>13.8</td>
<td>13.8</td>
<td>13.8</td>
<td>13.8*</td>
</tr>
</tbody>
</table>

Creating a culture of completion through “30 to Complete.”

*Estimated based on available information as of July 30, 2019
Success:
Increase Student Success
$170 million awarded for AY18-19
  • $12M in private support.

Degree seeking students:
  • 76% receive some kind of aid
  • 67% receive the Millennium Scholarship
  • 43% receive some need-based aid
  • 26% receive institutional merit-based aid
  • 23% Pell*

36% of undergraduate and 33% of graduate students took out loans

*Applies to undergraduate students only
NevadaFIT

• “Freshman Intensive Transition“
• 5-day academic program designed to increase retention and graduation rates.
• For ALL students, regardless of academic credentials.
• Students participate in a class that they will take in the fall semester, taught by the professor who will teach the class.
• Actual course content, homework, exams.
• Major-specific FIT programs.
• Study groups.
• Peer mentors.
2017 FALL to 2018 FALL RETENTION

82%: UNR Average

Fit  No-Fit
NevadaFit has served to accelerate 4-year graduation rates.
GO WHERE KNOWLEDGE LEADS
• Hired additional instructors, tenure-line faculty, and key administrators
• Built graduate programs dedicated to study of writing and speaking
• Refocused the University Writing and Speaking Center to emphasize all communication modes
• University Writing & Speaking Center conducted 12,430 tutoring sessions in 2018
• Refocused Writing and Speaking in the Disciplines to improve communication instruction from the Core upward through the majors
• Continued to field a nationally successful debate team
## STUDENT HOUSING EFFECT ON RETENTION RATES

<table>
<thead>
<tr>
<th></th>
<th>Off Campus</th>
<th>On Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year Freshmen</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall 16 to Fall 17</td>
<td>78%</td>
<td>83%</td>
</tr>
<tr>
<td>Fall 17 to Fall 18</td>
<td>75%</td>
<td>83%</td>
</tr>
<tr>
<td>Fall 18 to Fall 19*</td>
<td>79%</td>
<td>83%</td>
</tr>
<tr>
<td><strong>Continuing Students</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall 16 to Fall 17</td>
<td>88%</td>
<td>92%</td>
</tr>
<tr>
<td>Fall 17 to Fall 18</td>
<td>85%</td>
<td>80%</td>
</tr>
<tr>
<td>Fall 18 to Fall 19*</td>
<td>82%</td>
<td>90%</td>
</tr>
<tr>
<td><strong>Transfer Students</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall 16 to Fall 17</td>
<td>62%</td>
<td>83%</td>
</tr>
<tr>
<td>Fall 17 to Fall 18</td>
<td>64%</td>
<td>86%</td>
</tr>
<tr>
<td>Fall 18 to Fall 19*</td>
<td>68%</td>
<td>79%</td>
</tr>
</tbody>
</table>

*Students living on campus show higher retention rates.*

*Fall 2018 to Fall 2019 retention estimated from preliminary numbers of Fall 2019 enrollment as of July 30, 2019*
## Graduation Rates

<table>
<thead>
<tr>
<th></th>
<th>Fall 2010</th>
<th>Fall 2011</th>
<th>Fall 2012</th>
<th>Fall 2013</th>
<th>Fall 2014</th>
<th>Fall 2015</th>
<th>Fall 2016</th>
<th>Fall 2017</th>
<th>Fall 2018</th>
<th>Fall 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Retention Rate (Freshman to Sophomore Fall to Fall)</strong></td>
<td>78%</td>
<td>79%</td>
<td>80%</td>
<td>82%</td>
<td>81%</td>
<td>81%</td>
<td>81%</td>
<td>81%</td>
<td>81%</td>
<td>82%*</td>
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<tr>
<td><strong>Cohort of four and six years prior to:</strong></td>
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<tr>
<td>Fall 2010</td>
<td>Fall 2011</td>
<td>Fall 2012</td>
<td>Fall 2013</td>
<td>Fall 2014</td>
<td>Fall 2015</td>
<td>Fall 2016</td>
<td>Fall 2017</td>
<td>Fall 2018</td>
<td>Fall 2019</td>
<td></td>
</tr>
<tr>
<td><strong>Graduation Rate – 4 year</strong></td>
<td>18%</td>
<td>21%</td>
<td>23%</td>
<td>23%</td>
<td>26%</td>
<td>29%</td>
<td>33%</td>
<td>33%</td>
<td>37%</td>
<td>37%*</td>
</tr>
<tr>
<td><strong>Graduation Rate – 6 year</strong></td>
<td>53%</td>
<td>54%</td>
<td>51%</td>
<td>55%</td>
<td>59%</td>
<td>54%</td>
<td>55%</td>
<td>55%</td>
<td>58%</td>
<td>60%*</td>
</tr>
</tbody>
</table>

Graduation rates have steadily climbed.

*Estimated based on available information as of July 30, 2019*
### Graduation Rates

<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retention Rate (Freshman to Sophomore Fall to Fall)</td>
<td>78%</td>
<td>82%*</td>
</tr>
<tr>
<td>Graduation Rate – 4 year</td>
<td>18%</td>
<td>37%*</td>
</tr>
<tr>
<td>Graduation Rate – 6 year</td>
<td>53%</td>
<td>60%*</td>
</tr>
</tbody>
</table>

*Estimated based on available information as of July 30, 2019

Graduation rates have steadily climbed.
## ACADEMIC FACULTY

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</tr>
</thead>
<tbody>
<tr>
<td><strong>Tenured/Tenure Track Academic Faculty</strong></td>
<td>530</td>
<td>522</td>
<td>542</td>
<td>561</td>
<td>584</td>
<td>632</td>
<td>665</td>
<td>681</td>
</tr>
<tr>
<td><strong>Lecturers Non-Tenure Track Faculty</strong></td>
<td>140</td>
<td>142</td>
<td>145</td>
<td>150</td>
<td>179</td>
<td>194</td>
<td>199</td>
<td>206</td>
</tr>
<tr>
<td><strong>Total Academic Faculty</strong></td>
<td>913</td>
<td>909</td>
<td>926</td>
<td>965</td>
<td>1,026</td>
<td>1,088</td>
<td>1,012</td>
<td>1,047</td>
</tr>
<tr>
<td><strong>Student FTE to Faculty Ratio</strong>(1)</td>
<td>21</td>
<td>22</td>
<td>22</td>
<td>23</td>
<td>23</td>
<td>22</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td><strong>Student to Faculty Ratio</strong>(1)(2)</td>
<td>26</td>
<td>29</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>21</td>
<td>20</td>
<td>19</td>
</tr>
</tbody>
</table>

*Focus on hiring full-time, quality faculty to maintain student to faculty ratio and quality learning outcomes.*

(1) Based on Fall Semester  
(2) Student to Faculty ratio is calculated based on Common Data Set definition.
NEW ACADEMIC FACULTY

- Positions allocated for Fall of 2014 – 30
- Positions allocated for Fall of 2015 – 41
- Positions allocated for Fall of 2016 – 60
- Positions allocated for Fall of 2017 – 36
- Positions allocated for Fall of 2018 – 50
- Positions allocated for Fall of 2019 – 18

- Total allocated positions since 2014 – 235
FALL ENROLLMENT / STUDENT TO FACULTY RATIO

*Estimated based on available information as of July 30, 2019
Private Philanthropy Gift Revenue (in millions)

<table>
<thead>
<tr>
<th>Year</th>
<th>Revenue (in millions)</th>
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</thead>
<tbody>
<tr>
<td>FY 2010</td>
<td>$30.0</td>
</tr>
<tr>
<td>FY 2011</td>
<td>$18.3</td>
</tr>
<tr>
<td>FY 2012</td>
<td>$22.0</td>
</tr>
<tr>
<td>FY 2013</td>
<td>$24.9</td>
</tr>
<tr>
<td>FY 2014</td>
<td>$54.6</td>
</tr>
<tr>
<td>FY 2015</td>
<td>$40.7</td>
</tr>
<tr>
<td>FY 2016</td>
<td>$46.3</td>
</tr>
<tr>
<td>FY 2017</td>
<td>$40.9</td>
</tr>
<tr>
<td>FY 2018</td>
<td>$38.9</td>
</tr>
</tbody>
</table>
Close the Achievement Gap:
Close the achievement gap among underserved student populations
### Campus Diversity

**Fall 2019 Student Population**

<table>
<thead>
<tr>
<th></th>
<th>2009-2010</th>
<th>2019-2020*</th>
<th>Change</th>
<th>Fall 2019 Student Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Indian/Alaska Native</td>
<td>152</td>
<td>137</td>
<td>-9.9%</td>
<td>0.6%</td>
</tr>
<tr>
<td>Asian American</td>
<td>953</td>
<td>1,687</td>
<td>77.0%</td>
<td>7.8%</td>
</tr>
<tr>
<td>Black Non-Hispanic</td>
<td>424</td>
<td>1,168</td>
<td>175.5%</td>
<td>5.4%</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>1,737</td>
<td>4,286</td>
<td>146.7%</td>
<td>19.9%</td>
</tr>
<tr>
<td>Pacific Islander</td>
<td>141</td>
<td>114</td>
<td>-19.1%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Multiethnic</td>
<td>517</td>
<td>1,431</td>
<td>176.8%</td>
<td>6.6%</td>
</tr>
<tr>
<td><strong>Students of Color</strong></td>
<td><strong>3,924</strong></td>
<td><strong>8,823</strong></td>
<td><strong>124.8%</strong></td>
<td><strong>41.0%</strong></td>
</tr>
<tr>
<td>White Non-Hispanic</td>
<td>12,064</td>
<td>11,606</td>
<td>-3.8%</td>
<td>53.9%</td>
</tr>
<tr>
<td>Non-Resident Alien/Unknown</td>
<td>887</td>
<td>1,110</td>
<td>25.1%</td>
<td>5.2%</td>
</tr>
</tbody>
</table>

*Estimated based on available information as of July 30, 2019

Campus diversity is rising with students of color comprising 41% of total student population.
# STUDENT DIVERSITY

<table>
<thead>
<tr>
<th></th>
<th>2009-2010</th>
<th>2019-2020</th>
<th>Change 09 - 19</th>
<th>Student Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>International</td>
<td>648</td>
<td>604*</td>
<td>-6.79%</td>
<td>2.81%</td>
</tr>
<tr>
<td>Pell Grant**</td>
<td>2,661</td>
<td>4,935*</td>
<td>85.46%</td>
<td>22.99%</td>
</tr>
<tr>
<td>Disability</td>
<td>630</td>
<td>2,200*</td>
<td>241.43%</td>
<td>10.02%</td>
</tr>
<tr>
<td>Veterans</td>
<td>426</td>
<td>680*</td>
<td>59.62%</td>
<td>3.16%</td>
</tr>
</tbody>
</table>

*Estimated based on available information as of July 30, 2019

**Applies to undergraduate students only

Diversity continues to increase providing a more enriching learning environment.
ENCOURAGING ACCESS:
LOW INCOME,
FIRST GENERATION
AY18-19

- Dean’s Future Scholars—394 MS and HS Students, and 119 College Students
- GEAR Up—5,500 HS Students statewide
- Upward Bound—186 HS Students
- Silver Upward Bound Math and Science—60 HS Students
- TRIO—186 College Students
- McNair Scholars—27 Undergraduate Seniors
- First in the Pack—175 Undergraduate Freshmen – Accepted
- Experimental High School PELL – 11 HS students
TRiO Scholars

- 186 students: Academic counseling, tutoring, advise
- Fall ’17 to Fall ’18 retention: 99%
- Continuing good academic standing: 98%
- 6-year graduation rate (2011-12 cohort): 73%
McNair Scholars

- Spring ’19 BS/BA graduates continuing in graduate school immediately:
  
  Federal Goal: 60% UNR Attained Rate: 79%

- Participated in undergraduate research:
  
  Federal Goal: 90% UNR Attained Goal: 96%

- Continued enrollment in graduate school:
  
  Federal Goal: 88% UNR Attained Goal: 100%

- Publishing a completed research paper: 100%

- Average GPA: 3.67
SIX YEAR GRADUATION RATE BY ETHNICITY, FALL, 2013

Six Year Graduation Rate by Ethnicity*

- **Asian**: 48.18% (65.98% total)
- **Black / African American**: 29.41% (60.19% total)
- **Hispanic / Latino**: 52.33% (63.87% total)
- **Multi-Ethnic**: 45.45% (56.52% total)
- **Native American / Alaskan Native**: 29.41% (60.45% total)
- **Non-Resident Alien**: 45.45% (56.52% total)
- **Pacific Islander**: 45.45% (56.52% total)
- **Unknown**: 62.50% (63.87% total)
- **White**: 60.45% (63.87% total)
- **TOTAL**: 60.45%

*Estimated based on available information as of July 30, 2019
SIX YEAR GRADUATION RATE FOR PELL STUDENTS, FALL, 2012

- Pell freshmen students persist at a 76% rate, as compared to the total freshmen student population at 81%.

- Pell students have a 6-year graduation rate of 49% compared to 58% for all students.

- Students on other federal grant and loan programs persist at 80% their freshmen to sophomore year and graduate at 57%
## Faculty Diversity

<table>
<thead>
<tr>
<th>Year</th>
<th>Under-represented</th>
<th>White</th>
<th>Under-represented</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
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<td>2010</td>
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<td>2013</td>
<td>21</td>
<td>728</td>
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<td>2014</td>
<td>21.5</td>
<td>751</td>
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<td>2015</td>
<td>23.6</td>
<td>775</td>
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<td>2016</td>
<td>25.4</td>
<td>809</td>
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<td>2017</td>
<td>24.9</td>
<td>762</td>
<td>252</td>
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<tr>
<td>2018</td>
<td>26.3</td>
<td>772</td>
<td>276</td>
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<tr>
<td>2019</td>
<td>26.9</td>
<td>777</td>
<td>286</td>
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</tbody>
</table>
Workforce:
Collaboratively address the challenges of the workforce and industry educations needs of Nevada
VALUE OF A UNIVERSITY OF NEVADA, RENO DEGREE

Wage Increases*

INCREMENTAL WAGES FROM UNR-EARNED DEGREE

IN TOTAL WAGES

High School

$31,795

$0

Bachelor's

$56,364

+$24,569

Master's

$71,328

+$39,553

Doctoral

$102,663

+$70,868

Medical

$187,133

+$155,338

* Information gathered by Applied Analysis 2019

(BOARD OF REGENTS 09/05/19 & 09/06/19) Ref. BOR-22, Page 38 of 69
In 2010 when Nevada hit its highest levels of unemployment, the unemployment rate for individuals with Bachelor’s degrees and higher\(^1\) (6.8%) was less than half those with no college\(^2\) (14.6%).

\(^1\) Includes persons with a high school diploma or equivalent

\(^2\) Includes person with bachelor’s, master’s, professional and doctoral degrees

Source: U.S. Census Bureau and Bureau of Labor Statistics
BY THE NUMBERS

TOTAL EMPLOYMENT

- **FACULTY**: 2,128
- **STAFF**: 1,059
- **EMPLOYEES, GRADUATE ASSISTANTS AND STUDENT EMPLOYEES**: 5,239

**TOTAL**: 8,426

STUDENT ENROLLMENT

SINCE 2000

- **THE STATE’S POPULATION HAS GROWN BY**: 48.5%
- **THE UNIVERSITY’S ENROLLMENT HAS GROWN BY**: 63.2%

74% OF WORKING GRADUATES STAYED IN NEVADA

85% OF WORKING GRADUATES WHO STAYED IN NEVADA REMAIN IN THE GREATER RENO AREA

*Current Outcomes Report, Class of 2017, UNR Nevada Career Studio, Office of Student Persistence Research.
WITHIN THE NEXT FIVE YEARS

ANNUAL ECONOMIC OUTPUT WILL REACH $1.44 B

5.5% of jobs in Washoe County STEM FROM THE UNIVERSITY’S CURRENT OPERATIONS¹

The University will grow to 23,000 STUDENTS BY 2023

The University continues to graduate more than 5,000 STUDENTS PER YEAR

TOTAL ECONOMIC IMPACT from construction and startup costs² $748.4 M

¹ Includes direct, indirect and induced jobs.

² Includes direct, indirect and induced economic impacts.

(BOARD OF REGENTS 09/05/19 & 09/06/19) Ref. BOR-22, Page 41 of 69
Research:
Co-develop solutions to the critical issues facing 21st century Nevada and raise the overall research profile
GOAL NO. 2: HIGH IMPACT RESEARCH UNIVERSITY

A richer environment for graduate and undergraduate student research participation makes the University a “destination” environment for faculty and graduate students.

A vibrant, growing research enterprise is complementary to a dynamic, growing Northern Nevada. Research enterprise is a significant industry in support of economic growth for Northern Nevada.

Nevada now has two R-1 institutions.
COMPREHENSIVE RESEARCH AND SUPPORT SERVICES

- Stellar reviews by regulatory and accreditation bodies
- Grant writing support for faculty and graduate students
- Expansion of core research facilities
- Development of a nationally competitive research infrastructure
- High Performance Computing facility with Switch
- Nevada Research and Innovation Corporation
• Total funding (Research, Service, Instruction) in FY19*: $163 million (up 46% since FY13)
• Total research funding in FY19*: $122.7 million (up 54% since FY13)
• Total research expenditures in FY18**: $144.4 million (up 66% since FY13)
• Number of proposals submitted in FY19*: 1,165 (up 29% since FY13)
• Financial aid to the University in FY19*: $113.2 million (up 30.4% since FY13)
• Licensing fees, royalties and related income in FY19*: $325,031 (up 196% since FY13)

*FY19 data is unaudited
**NSF HERD Survey
## RESEARCH

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<tr>
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<td>Tenured/Tenure Track Faculty</td>
<td>606</td>
<td>573</td>
<td>565</td>
<td>551</td>
<td>551</td>
<td>527</td>
<td>555</td>
<td>613</td>
<td>644</td>
<td>653*</td>
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<tr>
<td>Research Faculty</td>
<td>66</td>
<td>53</td>
<td>55</td>
<td>50</td>
<td>55</td>
<td>57</td>
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<td>54</td>
<td>64</td>
<td>67*</td>
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<tr>
<td>Other staff with PhDs</td>
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<td>Post-Doctoral</td>
<td>70</td>
<td>69</td>
<td>56</td>
<td>74</td>
<td>73</td>
<td>78</td>
<td>86</td>
<td>81</td>
<td>84</td>
<td>88*</td>
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<tr>
<td>Total Funding (Research, Instruction, Service) (Millions)</td>
<td>$119.7</td>
<td>$135.1</td>
<td>$55.0</td>
<td>$111.6</td>
<td>$122.3</td>
<td>$121.4</td>
<td>$122.6</td>
<td>$125.0</td>
<td>$135.5</td>
<td>$163.3*</td>
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<td>Total Research Funding (Millions)</td>
<td>$88.5</td>
<td>$102.6</td>
<td>$73.3</td>
<td>$79.6</td>
<td>$92.1</td>
<td>$92.1</td>
<td>$90.2</td>
<td>$91.3</td>
<td>$108</td>
<td>$122.7*</td>
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<td>Total Research Expenditures (Millions)</td>
<td>$95.4</td>
<td>$89.7</td>
<td>$85.7</td>
<td>$86.8</td>
<td>$87.3</td>
<td>$90.1</td>
<td>$94.9</td>
<td>$105.9</td>
<td>$144.4</td>
<td>$146*</td>
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</table>

*Estimated based on available information as of July 30, 2019
### Performance Metrics

<table>
<thead>
<tr>
<th>UNR (2% Target)</th>
<th>Weighted Points 2011-12 Baseline</th>
<th>Weighted Points 2012-13 Actual/Target</th>
<th>Weighted Points 2013-14 Target</th>
<th>Weighted Points 2014-15 Target</th>
<th>Weighted Points 2015-2016 Target</th>
<th>Weighted Points 2017-2018 Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Weighted Points - Actual</td>
<td>1,447.9</td>
<td>1,554.6</td>
<td>1,612.3</td>
<td>1,786.0</td>
<td>1956.5</td>
<td>2,188.40</td>
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<tr>
<td>Total Weighted Points - Target</td>
<td>--</td>
<td>1,476.9</td>
<td>1,506.4</td>
<td>1,586.0</td>
<td>1,617.8</td>
<td>1,683.10</td>
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<tr>
<td>Percent of Target Achieved</td>
<td>Baseline</td>
<td>105.3%</td>
<td>107.0%</td>
<td>112.6%</td>
<td>120.9%</td>
<td>130.00%</td>
</tr>
</tbody>
</table>

*Exceeding the funding formula performance thresholds.*
Biology Associate Professor Jamie Voyles is pinpointing host defenses that reduce disease severity in natural populations by studying amphibians. By understanding a deadly amphibian fungal disease, Voyles is helping the medical community address gaps in how disease works.
Rangeland Ecology Professor Tamzen Stringham has developed models which describe how rangelands respond to natural and human-caused disturbances, and how the land will respond to different recovery efforts. She has created models for over 40 million acres of Nevada.
Community Health Sciences Associate Professor Matthew Strickland conducted the largest all-ages study of emergency respiratory visits. Covering 45 percent of the population, he showed increases in daily pollution levels were associated with increased emergency respiratory visits.
Fang Jiang, assistant professor of Psychology, is studying multisensory perceptual training in the elderly. She uses functional MRI (fMRI) to study individuals with vision or hearing impairments to understand how the brain compensates for the loss of a sense.
Engagement
GOAL NO. 3: SERVE AS PILLAR OF ECONOMIC DEVELOPMENT

Enhancing a smoother, faster path for business to achieve innovation and development

University provides talent, innovation and space for partners in the community

University of Nevada, Reno is “Open for Business”

Access is golden

(Success, research, workforce, engagement)
STATEWIDE ENGAGEMENT

- NCAR/NAASIC
- University of Nevada. Reno InNevation Center, Powered by Switch
- Nevada Small Business Development Center
- University of Nevada Cooperative Extension
- Agricultural Experiment Station
- Medical School/Telehealth Initiatives
- Online Degree Programs
- NVIE – Nevada Industry Excellence
- Nevada Bureau of Mines and Geology
- Nevada Seismological Laboratory
- NSHE Partnerships
- State Health Lab
Over 200 university and community members & over 75 organizations

Makerspace plus coworking, office, event and meeting Space

Nevada Industry Excellence

Bridge between University and Nevada’s business community

Magnet for innovation and entrepreneurship
• Hub for Innovation
  • Venture-funded companies at the Innevation Center have raised over $55.2M
  • Funded InNEVator Accelerator: internationally recognized bootcamp for IoT companies
  • Multidisciplinary undergraduate course in Design Process

• Economic Growth and Jobs
  • 195 jobs created by companies
  • Many employ students or alumni
UNIVERSITY OF NEVADA, RENO
SCHOOL OF MEDICINE
TRANSFORMATION

- Full four-year campus in Reno
- Partnerships with Sierra Nevada VA Health Center, Renown Health, Northern Nevada Medical Center, St. Mary’s Health Center, Community Health Alliance, Reno Behavioral Hospital, Carson Tahoe Hospital, Elko, Barton Health
- Clinical research linked with basic science research
- > $235M in research funding over last decade
- Project ECHO
- #13 most affordable medical school*

*USA Today
UNIVERSITY OF NEVADA, RENO
SCHOOL OF MEDICINE

• Physician Assistant Studies Program
  • Launched in 2018 with start-up support from Renown Health
  • Rural/primary care emphasis
  • Graduates will be qualified to:
    • Diagnose and treat illness
    • Prescribe medications
    • Perform and assist in surgeries

• Class of 2020
  • 1,400 applicants - 24 accepted
  • 18 women; six men
  • Average GPA: 3.44
  • Average incoming student has >9,000 hours in clinical experience
## CAPITAL IMPROVEMENT PROJECTS

<table>
<thead>
<tr>
<th>Major Project</th>
<th>Project Description</th>
<th>Completion Date</th>
<th>Total Project Cost ($M)</th>
<th>State Funding ($M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Church Fine Arts Renovation</td>
<td>Redfield Theatre &amp; Art Gallery</td>
<td>June, 2014</td>
<td>$4.1</td>
<td>$0.0</td>
</tr>
<tr>
<td>Ponderosa Village</td>
<td>New Graduate Student Housing</td>
<td>August, 2014</td>
<td>$20.3</td>
<td>$0.0</td>
</tr>
<tr>
<td>Earthquake Engineering Lab</td>
<td>New Building</td>
<td>August, 2014</td>
<td>$20.0</td>
<td>$0.0</td>
</tr>
<tr>
<td>InNEVation Center</td>
<td>Renovation</td>
<td>August, 2015</td>
<td>$2.1</td>
<td>$0.0</td>
</tr>
<tr>
<td>Peavine Residence Hall</td>
<td>New Building</td>
<td>August, 2015</td>
<td>$40.7</td>
<td>$0.0</td>
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<tr>
<td>Pennington Student Achievement Center</td>
<td>New Building</td>
<td>February, 2016</td>
<td>$45.0</td>
<td>$0.5</td>
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<tr>
<td>Outdoor Tennis Courts</td>
<td>New Tennis Court, Track and Field</td>
<td>March, 2016</td>
<td>$2.0</td>
<td>$0.0</td>
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<tr>
<td>Central Chilled Water Plant &amp; Piping</td>
<td>Infrastructure Improvement</td>
<td>June, 2016</td>
<td>$5.7</td>
<td>$4.8</td>
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<td>Mackay Stadium Improvement Project</td>
<td>New Building/Renovation</td>
<td>August, 2016</td>
<td>$15.0</td>
<td>$0.0</td>
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<tr>
<td>Lincoln Hall Renovation</td>
<td>Full Building Renovation</td>
<td>August, 2016</td>
<td>$8.8</td>
<td>$0.0</td>
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<td>E.L. Wiegand Fitness Center</td>
<td>New Building</td>
<td>February, 2017</td>
<td>$45.9</td>
<td>$4.7</td>
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<td>Thompson Hall Renovation</td>
<td>Renovation</td>
<td>April, 2017</td>
<td>$4.7</td>
<td>$0.0</td>
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<tr>
<td>Palmer Renovation</td>
<td>Renovation</td>
<td>August, 2017</td>
<td>$14.5</td>
<td>$14.5</td>
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<td>Lawlor Roof Replacement</td>
<td>Renovation</td>
<td>December, 2017</td>
<td>$1.3</td>
<td>$0.0</td>
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</table>
## CAPITAL IMPROVEMENT PROJECTS

<table>
<thead>
<tr>
<th>Major Project</th>
<th>Project Description</th>
<th>Completion Date</th>
<th>Total Project Cost ($M)</th>
<th>State Funding ($M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Great Basin Hall</td>
<td>New Building</td>
<td>August, 2018</td>
<td>$62.8</td>
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<tr>
<td>University Arts Building</td>
<td>New Building</td>
<td>February, 2019</td>
<td>$37.6</td>
<td>$0.0</td>
</tr>
<tr>
<td>Valley Road Life Sciences Lab</td>
<td>Renovation</td>
<td>March, 2019</td>
<td>$2.5</td>
<td>$0.0</td>
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<tr>
<td>Engineering Building*</td>
<td>Construction in Progress</td>
<td>July, 2020</td>
<td>$92.2</td>
<td>$41.5</td>
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<tr>
<td>Gateway Parking Garage</td>
<td>New Building</td>
<td></td>
<td></td>
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<tr>
<td>College of Business Building</td>
<td>New Building</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Life Sciences Building</td>
<td>New Building</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argenta Residential Hall</td>
<td>Renovation</td>
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<tr>
<td>Nye Residential Hall</td>
<td>Renovation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td><strong>$462.4</strong></td>
<td><strong>$66.0</strong></td>
</tr>
</tbody>
</table>

(1) During FY’12 and ’13 excess student fees had to be treated as one time funds, some of which went toward the Church Fine Arts renovation and the Earthquake Engineering lab. With the new formula in effect beginning FY’14, “excess student fees” were considered base and these funds have gone to faculty and staff growth plus operations.

(2) Redirected student CIP fees used for Fire Science Academy debt servicing; and regular CIP fees.

(3) Monetized non-productive assets, including excess land and water rights at Stead and Main Station Field Lab

(4) Due to increased student enrollment, estimates are that the fitness fee will cover the remaining cost, without utilizing Student CIP fees

(5) SWITCH covered the cost of their additional requests for the project

(6) Energy rebates from NV Energy

* Estimate
WILLIAM N. PENNINGTON ENGINEERING BUILDING UPDATE

Progress to date

2018
- 16 July 2018: Construction started

2020
- 1 July 2020: Construction ends
- 6 July 2020: Furniture installation/move-in begins for fall semester classes

Funding

$92.20 Million Total
- $50.70 Million University (55%)
- $41.50 Million State Capital Improvement Project funds (45%)
GREAT BASIN HALL

- Opened Fall 2018
- STEM Focus
- Capacity to house 411 students
- Computer Lab

RESIDENCE HALLS

- On Campus
  - Fall ’19 Bed Count – 1,810
- Wolf Pack Tower
  - Fall ‘19 Bed Count – 1,300
  - Total Fall ‘19 Bed Count – 3,110
University Arts Building

- Opened February 2019
- 287-Seat Recital Hall
- Art Museum
- Instrumental Rehearsal Room
- Choral Opera Rehearsal Room
- Digital Media Area
- Electroacoustic lab
- Soundproof Isolation Rooms
- Recording Studio
RENOVATIONS AND DOMINOES

Recent Renovations
• Lincoln Hall Renovation (2016)
• Mackay Stadium (2016)
• Ansari Business (2016)
• Thompson Hall (2017)
• Palmer Engineering (2017)
• Lombardi Center (2018)
• Facilities Services Building (2019)
• Manzanita Hall (2019)
• Valley Road Life Sciences Lab (2019)

Renovations in Progress
• Chemistry Building (2020)
• Leifson Physics (2020)
• Mack Social Science (2020)
• FY 2016-2019: eliminated about $82M via demolition or renovation
  • $ 49M: Getchell Library demo
  • $ 4M: White Pine Hall demo
  • $ 9.1M: Palmer Engineering renovation
  • $ 3.7M: Facilities Services renovation
  • $ 6.2M: Manzanita Hall renovation
  • $ 6.5M: Lincoln Hall renovation
  • $ 3.5M: Thompson Hall renovation

• Current deferred maintenance backlog estimated in the $600M - $700M range