UNIVERSITY OF REGINA

Board of Governors

Subject: Report on Research at the University of Regina

1. Status report on the response to the Provincial Auditor’s Report on Research at the University of Regina (PARR) (until implementation is complete)

Policy revisions are still in process. The Research Office is working with Human Resources to make sure that policies under review are consistent with the collective agreements on campus.

The Director, Research Office, gave a presentation on Ethics and Integrity to new faculty at orientation, highlighting compliance with research policies.

The Request for Proposals for the Grant Management System was released on August 30. The RFP will be open for a month to attract high-quality responses. Short-listed vendors will be invited to do presentations on campus in October, and a system should be selected by the end of October, 2016.

2. Report on the status of action plans to actualize the Strategic Research Plan identified in response to PARR Recommendation 4

Strategic Research Plan. The Strategic Research Plan (SRP) 2016-2021 is scheduled to go before the Council Committee on Research (CCR) for approval on September 12 followed by Executive of Council on September 28. Pending approval, the SRP will be presented to Senate on October 21 and to the Board of Governors at the December meeting.

Implementation Planning. The Office of the Vice-President (Research) will create a multi-year plan for research-related implementation of the University’s strategic plan and the draft Strategic Research Plan 2016-2021. Similar plans are anticipated for the University’s research centres and institutes and Faculties building upon the Faculty Research Plans prepared in 2014-15.

Canada Foundation for Innovation (CFI) Monitoring Visit. CFI conducted a monitoring visit at the University of Regina in March 2016. The ensuing report received in August was positive, indicating that the University has appropriate policies, practices and controls for the proper management of CFI awards with minimal recommendations. CFI also “noted a number of good practices in place” and noted several specific examples.
3. Performance measures with respect to the Strategic Research Plan identified in response to PARR recommendation 5: data for each measure, identification of targets, progress with respect to the targets.

<table>
<thead>
<tr>
<th>#</th>
<th>Strategic Priority/Strategic Theme</th>
<th>Performance Measure</th>
<th>Performance Measure Definition</th>
<th>2015-16 Final</th>
<th>2016-17 Target</th>
<th>2016-17 Sept</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Research Impact/Sustainability</td>
<td>Tri-Council &amp; Other Provincial/Federal Grants</td>
<td>Total number of tri-council, Canada Council, and other provincial/national funding agency/foundation grants currently held by faculty</td>
<td>195</td>
<td>210 awards</td>
<td>215¹</td>
</tr>
<tr>
<td>6</td>
<td>Research Impact/Sustainability</td>
<td>Research Revenue</td>
<td>Total research funding (contracts and grants) earned from all sources, including awards made directly by Canada Council and other agencies/foundations</td>
<td>$18.3M</td>
<td>$22M</td>
<td>$1.2M</td>
</tr>
<tr>
<td>7</td>
<td>Research Impact</td>
<td>Normalised Citation Impact (NCI)</td>
<td>The NCI measures the quotient of an observed citation rate or impact of an institution and an expected citation rate for the institution or country.</td>
<td>1.46</td>
<td>1.65</td>
<td>1.45²</td>
</tr>
<tr>
<td>8</td>
<td>Research Impact</td>
<td>International Collaboration</td>
<td>The proportion of total publications co-authored with researchers outside of Canada. Data obtained from l’Observatoire des sciences et des technologies’ (OST) Canadian bibliometric database. Calculated over a multi-year period (2010-14).</td>
<td>55%</td>
<td>56%</td>
<td>54%³</td>
</tr>
</tbody>
</table>

¹Includes 15 Canada Council and other provincial/national funding agency/foundation grants.
²Note – NCI (2008-2014) for UofS, York, Carleton, Memorial, Concordia, UofR, UNB, and Windsor. Uof R NCI was highest among these universities for impact factor and % cited. This was across all research disciplines.
³UofR ranked highest among the following: Brock, Carleton, Concordia, Memorial, Ryerson, Simon Fraser, UQAM, Guelph, UNB, UofR, Waterloo, Windsor, Wilfrid Laurier, Victoria, and York.
4. Research highlights since the last report: funding, awards, recognition, major publications, partnerships, etc.

- 16 University of Regina researchers have been awarded $1,468,500.00 from the Natural Sciences and Engineering Research Council (NSERC) for work that is set to shape the future of our environment, climate, health, and society. Discovery Grant recipients are: Eman Almehdawe, Chunjiang An, Kathryn Bethune, Bruce Gilligan, Garth Huber, Babak Mehran, Malek Mouhoub, Aram Teymurazyan and Christopher Yost. As well, Christine Chan, Remus Floricel, Amr Henni, Robert Murphy, Samira Sadaoui, Daoyong Yang and Fanhua Zeng all received Discovery Development Grants.

- Gordon Huang, Faculty of Engineering and Applied Science, was awarded an honorary Doctor of Science degree from McMaster University in Hamilton, Ontario. Huang studied at McMaster from 1991 to 1994, where he earned his PhD.

- The University of Regina Press marked its third anniversary in July, and the celebration was enhanced by collecting some major awards. "Children of the Broken Treaty" won an international IndieFab bronze for Political Writing. Author Charlie Angus provides insight into how the Canadian government deliberately denied Indigenous children on Reserve their basic human rights. "The Education of Augie Merasty: A Residential School Memoir" won the One Book/One Province vote. "Métis and the Medicine Line" won the Clio Award for Prairie history. In this book, Michel Hogue examines the implementation of the Canada/U.S. border along the 49th parallel and the tragic consequences for Métis and other Indigenous people.

- Paitoon (P.T.) Tontiwachwuthikul, Faculty of Engineering and Applied Science, has been inducted as a Fellow in the Canadian Academy of Engineering (CAE). In announcing his Fellowship, the CAE stated: “Tontiwachwuthikul’s greatest achievement as a professor, researcher, and administrator has been leading the development and implementation of the University of Regina’s flagship research program in carbon capture and storage. His innovative research made the University of Regina the recognized world leader in CCS research and development and created one of the strongest research groups in the world.”

- A retrospective of the 30-year career of filmmaker Gerald Saul, Faculty of Media, Art and Performance was held at the Art Gallery of Regina. “Anecdotal Evidence: The Work of Gerald Saul” is part of the longer durational project “Meet in the Middle: Stations of Migration and Memory Between Art and Film (Regina, 2014-2017).

- Wei Peng, Rene V. Mayorga and Esam Hussein, Faculty of Engineering and Applied Science have devised an “Automated Confirmatory System” to help radiologists detect breast cancer in women. The research has been published in Computer Methods and Programs in Biomedicine, a science journal that encourages the application of computing methods in the fields of biomedicine and medical practice.

- Mohan Babu, Faculty of Science, was awarded $1.1M for a 5 year CIHR project grant “Essential Gene Landscape of a Bacterial Cell for Combinatorial Drug Discovery”. Only 3 project grants were awarded in Saskatchewan in this competition with an overall success rate of 17.5% for the program. This award is well over the average grant size of $791,000.

- Bonnie Jeffery, Faculty of Social Work, and Tom McIntosh, Faculty of Arts were awarded $508,400 from Employment and Social Development Canada for their 3-year project “Enhancing Information Access for Rural and Urban Seniors.”

- Four researchers received SSHRC Insight Development Grants totaling $221,009. The University’s success rate was 44% compared to a national rate of 45%.