Agenda

Friday 30 September 2016 / 8:30 – 10:00 am / AH 206

<table>
<thead>
<tr>
<th>AT</th>
<th>ITEM</th>
<th>SUBJECT</th>
<th>PAGES</th>
<th>LEAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>1</td>
<td>Welcome and call to order</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Receipt of agenda and 27 May 2016 meeting notes</td>
<td>1-3</td>
<td>Chair</td>
</tr>
</tbody>
</table>

**Waste, Energy and Transportation**

<table>
<thead>
<tr>
<th>AT</th>
<th>ITEM</th>
<th>SUBJECT</th>
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<tbody>
<tr>
<td>8:35</td>
<td>3</td>
<td>Facilities Management update</td>
<td></td>
<td>Elaine Groenendyk</td>
</tr>
<tr>
<td>8:45</td>
<td>4</td>
<td>Geothermal Energy Project update</td>
<td>4-5</td>
<td>Chair</td>
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**Leadership, Communication and Engagement**

<table>
<thead>
<tr>
<th>AT</th>
<th>ITEM</th>
<th>SUBJECT</th>
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<tbody>
<tr>
<td>8:55</td>
<td>5</td>
<td>Fair trade campus certification initiative</td>
<td>6-12</td>
<td>Maria Aman &amp; Damien Bolingbrook</td>
</tr>
<tr>
<td>9:20</td>
<td>6</td>
<td>Sustainability updates and leadership discussion</td>
<td></td>
<td>Chair</td>
</tr>
<tr>
<td>9:35</td>
<td>7</td>
<td>October 2016: Campus Sustainability Month</td>
<td></td>
<td>Chair</td>
</tr>
<tr>
<td>9:40</td>
<td>8</td>
<td>Communications Campaign update</td>
<td></td>
<td>J Crivea</td>
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</table>

**Operations and Other Issues**

<table>
<thead>
<tr>
<th>AT</th>
<th>ITEM</th>
<th>SUBJECT</th>
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<tbody>
<tr>
<td>9:45</td>
<td>9</td>
<td>Terms of Reference review and approval</td>
<td>13-16</td>
<td>Chair</td>
</tr>
<tr>
<td>9:50</td>
<td>10</td>
<td>Terms of members</td>
<td>17</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Adjournment</td>
<td></td>
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**PACS 2016-17 meeting dates**
25 November / 27 January / 31 March / 26 May

Agendas close the preceding Thursday at 4 pm
Please send agenda items and supporting material to bryanna.butz@uregina.ca.
1. Call to order at 8:30 am.

2. Agenda approved as received. Meeting notes of 26 April 2016 received without emendation.

3. Update from Sustainability Coordinator
   Updates will be provided by N Wagner at the 30 September 2016 meeting.

4. Geothermal Energy Demonstration Project: An Investment in Innovation, Scientific Research, Green Infrastructure and Sustainable Energy Development
   Janis Dale and guests S Bend, B Brunskill, A Henni, and L Vigrass presented Geothermal Energy (attachment #1) and what that could mean for the University of Regina. Investing in this type of energy project would put the U of R on the map as the first and only university in Canada to run this type of geothermal energy.

   The group presented the long term direct benefits of using this type of energy source to the University. The U of R would become knowledgeable and skilled in this type of energy and could lead Canada in understanding its potential while transferring our knowledge to others. The U of R could establish itself as a unique geothermal contributor to a low-carbon economy.

   The group discussed the investment costs and that using the existing well, which is 35 years old and likely in the wrong location, would be difficult to integrate a new water system into and would add more capital to the project. The cost of a new system is roughly $8.5 million but could last up to 60 or 70 years. The two new residence buildings could be the anchor project because of the compatibility of their heating system with geothermal energy. Both buildings would consume 37% or 300,000 ft² of the systems energy, leaving 520,000 ft² of its energy unused.

   The group questioned the next steps and asked the Acting Chair what was required in order to move this idea forward. The Acting Chair suggested they touch base with Vice-President (Research) Malloy and
Provost Chase to have a further conversation on potential next steps. The group would like to begin looking into grants and partners as they noted that SaskPower has an interest in exploring geothermal energy. They also noted that the Federal Government’s platform has committed to supporting green energy and that there may be financial opportunities available there.

If discussion continues around the U of R investing in this type of geothermal energy then the Acting Chair suggests a small working group, that includes a member of Facilities Management and PACS be formed. This agenda item will be brought forward at the next PACS meeting as an update.

B Butz will send PACS members the PowerPoint presentation along with a list of L Vigrass’s publications on geothermal energy.

5. ADJOURNMENT at 10:23 AM NEXT MEETING 30 September 2016 8:30 – 10:00 AM (AH 527)
DATE: September 27, 2016

TO: PACS, University of Regina

FROM: Dr. Janis E. Dale
Department of Geology

RE: September 2016 Report to PACS

This report addresses two items which arose following the GeothURml Proposal presented to PACS May 27, 2016.

1. Progress to date

   After the meeting with PACS, Janis Dale approached Drs. Timmins, Chase, Malloy and Dave Button regarding our proposal. All four gave their approval to develop a GeothURml demonstration Project on the campus of the University of Regina. We were instructed to seek support for the proposal.

   Dr. David Malloy VP research) is to act as our contact on campus to help expedite the project from his Senior Administrative position.

   Dr. Timmins provided a letter of support and introduction which was sent out to His Honourable Ralf Goodale, and Mike Monea (Sask Power).

   Brunskill, Dale, Henni anmd Malloy met with Mr Goodale in June, who is very enthusiastic about the project. He is passing our proposal on to other members of the federal Government and instructed us to pursue the Western Diversification Committee and Sask Power.

   Dr. Malloy is to inform us of the Western Diversification meeting to present our proposal.

   We are putting together the working group for the project (see below).

   Several members have attempted to contact Mr. Mike Monea at Sask Power. He has had a change in his position at SaskPower so we await his response. In the meantime, Dale has contacted another member of SaskPower Mr Doug Opseth to discuss this initiative and this meeting is to be set up shortly.

   Dr. L. Vigrass, one of the orginal researchers on the Geothermal project continues to be involved and has sent copies of his old reports and reference list to the group, which was sent out to he PACS members.

   Brunskill revising visuals of the project. See attached PDF.

2. GeothURml Working Committee

   At present the working group is composed of the original 4 members of the proposal, (Stephen Bend, Janis Dale and Amr Henni from the U of R and Mr. Brian Brunskill from industry). In addition,

   Mr. Stephen King from the President’s Office has agreed to be on the committee.

   Dr. David Malloy who is to be our contact person on campus.

   The Committee is actively looking for someone from Physical Plant to help with the proposed placement of the wells, liaise with the Physical Plant and as well as the many other considerations on campus. We emailed Carol Reyda for suggestions and await her response.

   We are hoping to keep the group small to increase efficiency.

   Question: Does PACS have any suggestions for other members of the working committee or those who should the group should contact?

Please feel free to contact me if you have any further questions. Thank you for your consideration.

Janis E. Dale, PhD, P. Geo.
Associate Professor, Dept of Geology
University of Regina GeothURmal Project
A Deep Geothermal Energy Demonstration Project: An investment in innovation, scientific research, green infrastructure and sustainable energy development.

Kišik Towers, a new residence facility, will anchor the first phase of the geothermal demonstration project.
Why we are here?

• To discuss the potential to have our university become a Fair Trade Campus

• The what

• The result

• The how
What is a Fair Trade Campus?

A Fair Trade Campus designation requires:

1. Steering Committee
2. Product Availability
3. Visibility and Education

Source: Clip Art Panda
(http://www.clipartpanda.com/)

1. Steering Committee

• Made up of volunteers and university administrators
• Promotes Fair Trade on campus
• Meets at least twice per year
• Submits an annual report with progress and goals

Source: Cradle to Career
(http://cucradle2career.org/)
2. Product Availability

- Fair Trade Certified
  - Coffee
  - Tea
  - Chocolate bars
  - Campus events

Sources: Free Images (se.freeimages.com), First Stop (firststopsuppliesdorset.co.uk), and Ultimate Chocolate Blog (ultimatechocolateblog.blogspot.com)

3. Visibility and Education

- Prominent Signage
- Product Information
- University Website promo
- Annual public awareness

Sources: Canada Fair Trade Network (www.cftn.ca), Prairie Dog (www.prairiedogmag.com), and 123RF (www.123rf.com)
Why do this?

- University Strategic Plan
- Sustainability
  - Operations
  - Education
  - Performance Evaluation
  - Community Service (globally)

Source: University of Regina (http://www.uregina.ca/strategic-plan/assets/docs/pdf/sp-2015-20-together-we-are-stronger.pdf)

2015-2020 UofR Strategic Plan

- Mission Statement
  - Global Citizens
  - Community Engagement
- Values
  - Community and Social Responsibility
    - Solutions to social problems
    - Concern for the world

Source: University of Regina (http://www.uregina.ca/strategic-plan/assets/docs/pdf/sp-2015-20-together-we-are-stronger.pdf)
2015-2020 UofR Strategic Plan

- Sustainability
  - Social justice
  - Economic, cultural, social, environmental
- Commitment to Communities
  - Addressing personal needs at a global level
  - A collaborative with businesses and community based organizations
  - More news stories of university success
  - Collaborations between students and faculty nationally

Source: University of Regina (www.uregina.ca)

The Association for the Advancement of Sustainability in Higher Education: STARS Program

- OP-6: Food and Beverage Purchasing

Has the institution achieved the following?:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Yes or No</th>
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<tbody>
<tr>
<td>Fair Trade Campus, College or University status</td>
<td>No</td>
</tr>
<tr>
<td>Certification under the Green Seal Standard for Restaurants and Food Services (GS-46)</td>
<td>No</td>
</tr>
<tr>
<td>Marine Stewardship Council (MSC) certification</td>
<td>No</td>
</tr>
<tr>
<td>Signatory of the Real Food Campus Commitment (U.S.)</td>
<td>No</td>
</tr>
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</table>

Sources: AASHE (http://www.aashe.org/) and the University of Regina (http://www.uregina.ca/president/assets/docs/PVPA%20docs/PACS/STARS%20UofR%20Certificate.pdf)
Partners working on Fair Trade

• Engineers Without Borders
• Luther College
• Campion College
• Campus Bookstore
• URSU

• Upcoming meeting with Bettina Welsh (UofR Director of Student Affairs) and Rohan Gomes (Food Services Director, Chartwells) on Oct. 11, 2016


Other Campuses Across Canada

• 17 campuses in Canada
• Could be the first Fair Trade Campus in Saskatchewan

What we need from you?

• Commitment by the university administration in forming the steering committee
• Support from university administration to promote product availability
• A webpage attached to the university website once the designation is achieved
• Annual celebration of Fair Trade Campus status

Thank You!

Source: University of Regina, (www.uregina.ca)
President’s Advisory Committee on Sustainability (PACS)

In 2015, The University of Regina introduced the strategic plan titled peyak aski kikawinaw: Together, We Are Stronger. In 2009, the University of Regina released mâmawohkamâtowin: Our Work, Our People, Our Communities – a strategic plan outlining a set of common goals rooted in and responding to the needs and aspirations of our campus and community. At the core of this document, this vision is an emphasis on communication, engagement, and sustainability in all that we do. By focussing on the pursuit of excellence within these areas and by weaving sustainability throughout our teaching, research, operations, and service, we will advance a culture of sustainability and wellbeing on our campus that energizes and empowers us and the communities we serve. Moreover, by celebrating our successes and existing strengths, as well as identifying and communicating our priorities, responsibilities, and opportunities in advancement, we can foster a stronger, healthier campus community and spirit.

The intent of the President’s Advisory Committee on Sustainability (PACS) is to support the vision of the Strategic Plan and help guide the University of Regina in ensuring that the best insight, knowledge, and leadership, as well as high ethical standards regarding sustainability, are brought to decisions around sustainability in the areas of operations, education, research, performance evaluation and community service.

Terms of Reference
The Committee is directly responsible to the President of the University of Regina.

1. Membership (10)
   Chair – Provost and Vice-President (Academic) – ex-officio
   Associate Vice-President (Facilities Management) – ex-officio
   One Representative of the Regional Centre of Expertise on Education for Sustainable Development, Saskatchewan (RCE Saskatchewan)
   One Representative of the Consortium for Global Change Management as selected by the Vice-President (Research) in consultation with the organizations listed below:
   Prairie Adaptation Research Collaborative (PARC)
   Institute for Energy, Environment and Sustainable Communities (IEESC)

   Two Academic Members appointed by the President of the University of Regina
   Two Administrative Members selected by the Vice-President (Administration)
   Two Student Members selected by the University of Regina Students’ Union
   One Student Member selected by the University of Regina Graduate Students Association

   Technical Advisor – Sustainability Co-ordinator

1.1 The committee can invite any guest or additional technical advisor to any meeting should it require specific expertise.
1.2 Administrative support will be provided by the Office of the Provost.
1.3 Membership Selection (after initial appointments and establishment of the committee)
i) Sitting members will provide recommendations for membership by the Nominating Sub-committee for consideration by the various approval authorities.

ii) Members representing designated groups will be selected by the designated group.

2. Term of Office

2.1 Three years for appointed members; student members will serve one-year terms.

2.2 When first formed, two appointed members will serve three-year terms, three will serve two-year terms, and two will serve a one-year term. This staggering is to ensure a regular turnover of members with minimal disturbance to the committee.

2.3 Membership renewal is subject to committee approval and reappointment by the designated group.

2.4 Memberships can be renewed for a total of three subsequent terms.

3. Purpose

3.1 The PACS is an advisory committee to the University of Regina President. Generally, the committee provides advice on University sustainability goals, plans, initiatives, projects, reports, policy, and practices, recognition strategies, and monitoring efforts.

3.2 The Committee will review advise the University of Regina in development of policies on campus sustainability, policy on campus sustainability, along with its outcomes and indicators, at least once every 3 years. PACS will also periodically review University of Regina policies in light of the Sustainable Campus Policy, University’s definition of Sustainability, the University of Regina Strategic Plan, and sector best practices.

3.3 As an advisory body, the Committee is empowered to respond to issues referred to it by University academic, administrative, and governing bodies as well as to raise issues on campus sustainability to these bodies from time to time. These issues can include opportunities for action and best practice.

3.4 The Committee will review campus sustainability issues raised by its own members, members of the University of Regina campus community, and the broader public, and act within its advisory capacity in responding to these matters.

3.5 The Committee will act as ombudsmen on campus sustainability issues and it will provide an annual report to the President of the University of Regina providing:

i) a report of Committee’s activities over the course of the previous year;

ii) an analysis of the University’s progress towards campus sustainability, including commentary and analysis of the annual report from the Sustainability Co-ordinator; and

iii) suggestions regarding opportunities for action of the University of Regina in relation to campus sustainability issues.

3.6 The Committee will support and promote education and research on campus sustainability issues, as well as public awareness, in conjunction with the Sustainability Co-ordinator. Moreover, the Committee may provide additional advice and resource to academics, administration, and students, as well as other organizations impacting the University of Regina campus sustainability initiatives.

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1 Based largely upon the ‘Duties assigned under this policy, Sustainable Campus Advisory Committee (SCAC)’ section of the University of Regina Sustainable Campus Policy (Final Version); June 6th, 2006.
sustainability of the University of Regina campus (e.g., URSU and the Federated Colleges).

4. Operations
4.1 Procedural rules developed by the Committee shall be used by the Chair to facilitate discussions. In the absence of developed rules, such as in the Committees’ formation, Robert’s Rules of Order will be assumed.
4.2 The Committee shall meet on a bi-monthly basis; or as required to perform its functions at the request of the Chair, or five members of the Committee.
4.3 Any member may suggest items for discussion. Members should advise the Office of Sustainability in advance of the meeting to allow relevant documentation to be circulated and to allow members adequate time for preparation. (In the interim, the Executive Assistant to the Provost and Vice-President (Academic).
4.4 At regular meetings, a quorum shall be a minimum one half of the voting membership. In the absence of a quorum, a Committee meeting will be rescheduled.
4.5 The Committee shall seek to operate by consensus without the need for formal votes. When a member requests a formal vote, a motion will be carried when supported by one half plus one of the members present.
4.6 Sub-committee meetings shall be structured around availability of members. Sub-committees report to and advise the Committee; they are responsible for providing detailed reviews, plans, advice, and/or options on particular issues.

5. Sub-committees
5.1 There are two kinds of sub-committees attached to the PACS:
   i) Standing Committees, which serve on an ongoing basis.
   ii) Ad Hoc Committees, which are established to address a specific mandate within a specific timeline.
5.2 The responsibility of the PACS to sub-committees is to:
   i) Appoint a Chair
   ii) Establish Terms of Reference

6. Reporting
6.1 All meetings shall be documented including attendance, agenda, decisions made, and support material. The Committee has the capability to proceed ‘in camera’ when appropriate.
6.2 The Committee shall provide advice on the annual and public reports of the Office of Sustainability, which will be submitted to the President of the University of Regina.
6.3 All reports of the Committee and the Sustainability Co-ordinator are to be publicly available on the University of Regina website.
Terms of Reference

1. Membership
   - Chair: Provost & Vice-President (Academic), Chair of the PACS
   - Two Sub-committee Members appointed by the Committee
   - Technical Advisor: Sustainability Coordinator

2. Term of Office
   - Members shall be appointed for two years; terms may be extended one additional term. When first formed, one appointed member will serve a two-year term, while one appointed member will serve a one-year term. This staggering is to ensure a regular rotation of members with minimal disturbance to the committee.

3. Duties
   - The Membership Sub-committee recommends suitable candidates to fill vacant positions on the PACS. The Sub-committee will:
     1. Seek input from PACS members and the University of Regina community as part of their search, and will put forward a shortlist of individuals for each vacant position. The Sub-committee recommends potential candidates to the President for final selection and appointment;
     2. Operate as a standing committee that searches throughout the year for individuals with the characteristics defined in the next section; and,
     3. Through the Sub-committee Chair and/or designate(s), periodically encourage the PACS, faculty, staff, and students to recommend individuals for potential membership.

4. Characteristics of Potential Membership
   - The Sub-committee will seek a diverse set of interested individuals that help to ensure a complement of members who display and represent our campus community as a whole. The Sub-committee will seek a composition of engaged individuals with knowledge of, interest in, and demonstrated commitment towards sustainability and wellbeing. Moreover, a balance in specialization, area-specific experience, community involvement, and background will be sought.
## President’s Advisory Committee on Sustainability (PACS)

### MEMBERSHIP – as of 1 July 2016

<table>
<thead>
<tr>
<th>Membership</th>
<th>Name</th>
<th>Email Address/Phone</th>
<th>Term Expiration (1 July – 30 June)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair – Provost and Vice-President (Academic)</td>
<td>Thomas Chase</td>
<td><a href="mailto:Provost@uregina.ca">Provost@uregina.ca</a> 306.585.4384</td>
<td>n/a</td>
</tr>
<tr>
<td>Associate Vice-President (Facilities Management)</td>
<td>Nelson Wagner</td>
<td><a href="mailto:Nelson.Wagner@uregina.ca">Nelson.Wagner@uregina.ca</a> 306.585.4635</td>
<td>n/a</td>
</tr>
<tr>
<td>Sustainability Co-ordinator</td>
<td>VACANT</td>
<td></td>
<td>n/a</td>
</tr>
<tr>
<td>One member RCE Saskatchewan (Regional Centre of Expertise on Education for Sustainable Development)</td>
<td>Roger Petry (Co-ordinator U.N.U. RCE Sask) Alternate: Carol Reyda</td>
<td><a href="mailto:Roger.Petry@uregina.ca">Roger.Petry@uregina.ca</a> 306.585.5295 <a href="mailto:Carol.Reyda@uregina.ca">Carol.Reyda@uregina.ca</a> 306.337.2347</td>
<td>2016</td>
</tr>
<tr>
<td>One Representative Consortium for Global Change Management (selected by VPR)</td>
<td>Jocelyn Crivea</td>
<td><a href="mailto:Jocelyn.Crivea@uregina.ca">Jocelyn.Crivea@uregina.ca</a> 306.585.3328</td>
<td>2018</td>
</tr>
<tr>
<td>Two Academic Members (appointed by the President)</td>
<td>Stephanie Young (Engineering) and Janis Dale (Geology)</td>
<td><a href="mailto:Stephanie.Young@uregina.ca">Stephanie.Young@uregina.ca</a> 306.585.4722 <a href="mailto:Janis.Dale@uregina.ca">Janis.Dale@uregina.ca</a> 306.585.4830</td>
<td>2016 2017</td>
</tr>
<tr>
<td>Two Administrative Members (selected by the VP Admin)</td>
<td>Ray Konecsni (IT) and Darren Cherwaty (HR)</td>
<td><a href="mailto:Ray.Konecsni@uregina.ca">Ray.Konecsni@uregina.ca</a> 306.585.5497 <a href="mailto:Darren.Cherwaty@uregina.ca">Darren.Cherwaty@uregina.ca</a> 306.585.4776</td>
<td>2017 2016</td>
</tr>
<tr>
<td>Two Student Members (appointed by URSU – one undergraduate, one graduate)</td>
<td>Abby Rutko (UG*) and Natasha Gall / Rubina Khanam (GSA*)</td>
<td><a href="mailto:vpext@ursu.ca">vpext@ursu.ca</a> and <a href="mailto:URGSA.President@uregina.ca">URGSA.President@uregina.ca</a> <a href="mailto:Rubina.Khanam@uregina.ca">Rubina.Khanam@uregina.ca</a></td>
<td>(May) 2017 (May) 2017</td>
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**Sustainability Intern** (non-voting member) **VACANT** (for a 4 month period as of December/January)

* Term dates are May to June