
MEETING NOTES

Friday 27 May 2016 / 8:30 – 10:00 am / AH 527

MEMBERS	N Wagner (A/Chair), T Chase, D Cherwaty, J Crivea, J Dale, R Konecni, C Reyda, and S Young
GUESTS	Stephen Bend, <i>Professor, Department of Geology</i> , Emmett Boyle, <i>Director of Maintenance and Utilities, Facilities Management</i> ; Brian Brunskill, <i>Helix Geological Consultants Ltd.</i> ; Amr Henni, <i>Professor Faculty of Engineering</i> ; Laurence Vigrass, <i>Emeritus (Director of the Energy Research Unit), Department of Geology</i>
REGRETS	R Petry, S Robinson, D Zemplak

- 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)
