

RCE Saskatchewan: Information template for RCE project portfolio

Please fill separately for each project.

PROJECT 1

RCE	RCE Saskatchewan
Project title	Engineering Education for Sustainability Initiative (EESI) * Note: flagship project of RCE Saskatchewan
Project classification (for instance health, sustainable consumption, education...)	Sustainability (Wind Energy Technology), Educational Research, Teacher Education and Training
Project duration	January 1, 2008 – to – January 1, 2018 (Overall EESI)
Issues that project tackles	The goal of RCE Saskatchewan is transformative education that promotes sustainable lifestyles and livelihoods in the region while sharing knowledge and insights with other RCEs around the world. Education for Sustainable Development programs are designed to be locally relevant and culturally appropriate. Currently, it is proposed that urban and rural research laboratory centres (RLC) be established first at the University of Regina and at Craik, Saskatchewan with future RLCs being established in six (6) other geographical locations throughout Saskatchewan. The first two (2) sites are geographically positioned within the existing RCE Saskatchewan corridor and the locations provide for easy research accessibility, public visibility, educational training, resource servicing and for the University of Regina and the town of Craik. The RLCs affirm both the University of Regina and the town of Craik's commitment to sustainable practice.

Geographic area that project covers	RCE Saskatchewan corridor – Province of Saskatchewan
Project summary (including activities)	April – May 2008 – establishment of the first EESI – Regional Laboratory Centre (University of Regina) and the installation of the first Cleanfield 3.5 kW Vertical Axis Wind Turbine
Expected results	One Cleanfield 3.5 kW – VAWT installed with research agenda articulated
Contact for further information	Dr. Garth Pickard Professor Faculty of Education University of Regina Regina, SK CA +1 3065854529 Call garth.pickard@uregina.ca

PROJECT 2

RCE	RCE Saskatchewan
Project title	YouthBuild Saskatchewan Green Affordable Housing Program *Note: Flagship project of RCE Saskatchewan
Project classification (for instance health, sustainable consumption, education...)	Sustainable Infrastructure
Project duration	Start date: June 2007 End date: on-going
Issues that project tackles	Availability of affordable, energy efficient housing in Saskatchewan
Geographic area that project covers	Saskatchewan, Canada
Project summary (including activities)	The objective of this project is to increase the availability of affordable green housing in the Province and the number youth entering the building trades and industry. This will be achieved by forming regional housing partnerships to coordinate the building of new housing. YouthBuild is working with partner organizations, including the Saskatchewan Institute of Applied Science and Technology (SIAST), to design very energy efficient housing. One goal is to reduce the energy required to heat the houses to 30 percent of the current houses built in Saskatchewan. A second goal is to generate thermal energy through passive and active solar techniques. Geothermal energy is also being evaluated. When appropriate, electricity will be generated using small wind turbines and solar photovoltaic panels. To reduce the cost of materials and labour to build the

	<p>homes, the project is evaluating the use of prefabricated panels. YouthBuild Saskatchewan is working with the Carlton Trail Regional College to pilot a Production Line Building course. YouthBuild Interns from SIAST will assist in the design of the affordable homes. Activities include 1) Forming regional partnerships, 2) Launching 10 community based affordable housing projects, 3) Completing the design of 2008 affordable energy efficient houses, 4) Creating YouthBuild Internship program with SIAST, 5) Building 10-20 homes.</p>
<p>Expected results</p>	<ul style="list-style-type: none"> • Reduced energy consumption for building and operating homes • Reduced greenhouse gas emissions resulting from home building and operating • Increased production of energy required to operate home • Reduced cost of building and operating homes • Improved quality of life for home owners • Improved design of green affordable housing
<p>Contact for further information</p>	<p>Douglas Morrison (306) 734-5112 dmorrison@advantage.coop</p>

PROJECT 3

RCE	RCE Saskatchewan
Project title	Logo Development for RCE Saskatchewan
Project classification (for instance health, sustainable consumption, education...)	RCE Promotion and Regional Identity Formation
Project duration	November, 2007 to May, 2008
Issues that project tackles	The development of a logo for RCE Saskatchewan is needed to create a sense of regional identity among RCE participants as well as being an important part of RCE Saskatchewan promotion and recognition of ESD projects in the region.
Geographic area that project covers	RCE Saskatchewan region
Project summary (including activities)	<p>RCE Saskatchewan applied for funding from the Government of Saskatchewan's Ministry of Environment to help develop a logo. \$2000 was awarded for this purpose in October, 2007.</p> <p>At the November 23, 2007, gathering of the RCE Saskatchewan region, RCE members were asked to identify ideas and images that might be incorporated into the development of a logo for RCE Saskatchewan.</p> <p>An open competition was held with 4 private design firms applying to design the logo in December, 2007. These 4 submissions were independently evaluated in early January, 2008, with one firm being awarded the contract in late January.</p>

	<p>The designer worked with RCE Saskatchewan under contract based on input received from the earlier RCE Saskatchewan meeting to develop two draft logos in black and white. These were voted on through the RCE Saskatchewan website in mid-March, 2008.</p> <p>The designer then further developed the preferred design by adding colouring and incorporating suggested revisions.</p> <p>The logo was completed in April, 2008.</p>
<p>Expected results</p>	<ul style="list-style-type: none"> • RCE Saskatchewan Logo developed in a variety of electronic formats. • Template for RCE Saskatchewan letterhead and business cards developed. • RCE Saskatchewan banner developed. • RCE logo unveiled with logo symbolism described at the “RCE Conference of the Americas 2008” hosted by RCE Saskatchewan on May 25-27, 2008. • RCE Saskatchewan handbags and napkins incorporating the logo created through the Saskatchewan Abilities Council and distributed at May conference to participants. • New RCE Saskatchewan logo: 
<p>Contact for further information</p>	<p>Roger Petry; (306) 585-5295; roger.petry@uregina.ca Lyle Benko; (306) 949-2992; lyle.benko@uregina.ca RCE Saskatchewan website: www.saskrce.ca</p>

PROJECT 4

RCE	RCE Saskatchewan
Project title	"RCE Conference of the Americas 2008"
Project classification (for instance health, sustainable consumption, education...)	Regional and inter-regional networking conference.
Project duration	November, 2007 to May, 2008.
Issues that project tackles	Conference focusing on regional and inter-regional capacity building for ESD as well as specific theme areas of RCE Saskatchewan (Climate Change; Health and Healthy Lifestyles; Reconnecting to Natural Prairie Ecosystems; Farming and Local Food Production, Consumption, and Waste Minimization; Supporting and Bridging Cultures for Community Building and Sustainable Living; Sustainable Infrastructure including Water and Energy)
Geographic area that project covers	RCE Saskatchewan region and RCEs in the Americas
Project summary (including activities)	The RCE Conference of the Americas for 2008 entitled "Knowledge and Innovation for Sustainability Assessing and Adopting Beneficial Practices" occurred on May 25-27, 2008, in Regina. The position of chief conference organizer was advertised on the RCE Saskatchewan website and among RCE members on November 3, 2007, with a closing date of November 10, 2007. Initial input on how the RCE Saskatchewan Conference might be planned was then received through conference calls organized by Environment Canada

with other RCEs in the Americas on November 13, 2007, January 17, 2008, and February 7, 2008, and the general meeting of RCE Saskatchewan members held in Regina on November 23, 2007. A planning committee was struck at the November 23rd meeting. The planning committee met regularly on December 19, January 9, January 24, February 20, March 12, April 11, May 12, and May 21. Planning subcommittees also met including the conference title/theme subcommittee (on January 9, February 5, April 17), the keynote speaker and program subcommittee (on February 13), the banquet subcommittee (on March 5), the budget subcommittee (on February 4 and March 6), the website subcommittee (on January 9), and the promotional subcommittee (on February 15). From these a theme and title for the event along with conference purpose, objectives, and deliverables were developed, a draft schedule prepared along with an initial call for participation. These have been distributed and posted on the conference website (<http://www.saskrce.ca/conference2008/>). A conference website designer was also hired who is a doctoral student in the Department of Computer Science at the University of Regina. In addition, Factor X Solutions Inc., was hired to design a conference poster and assist in promoting the event.

Funding was received from the Government of Saskatchewan's Sustainable Communities Grant program, with additional sponsorship for the conference being received from a number of sources. These included the University of Regina Faculty of Education (\$2000), the University of Regina Centre for Sustainable Communities (\$3000), the University of Regina Academic Vice-President's Conference Fund (\$1000), the Saskatchewan Outdoor and Environmental Education Association (\$3200—also includes funds for conference side-event fieldtrips), the Saskatchewan Education for Sustainable Development Network (\$1000), the Royal Saskatchewan Museum (\$500), and the Saskatchewan Institute of Applied Science and Technology (\$500; see attached conference website front page highlighting conference sponsors)

The keynote speaker for the event was chosen from a list of possible speakers suggested by RCE members. The chosen keynote speaker, Severn Cullis-Suzuki, is a champion of the environment, an author, and a talented speaker known for her riveting speech at the UN Earth Summit in 1992. The Lieutenant Governor for the Province of Saskatchewan provided greetings the morning of May 26. Formal greetings were also provided by officials with the Saskatchewan Ministry of Environment and Ministry of Education as well as the City of Regina. The Sunday night keynote address was held at the Royal Saskatchewan Museum with the remainder of the event held at the University of Regina.

Expected results	<ul style="list-style-type: none"> • Conference was held on May 25-27, 2008, in Regina, Saskatchewan. • 260 people attended the public keynote address on May 25th, and 85 people registered for the formal conference on May 26 and 27th at the University of Regina. 6 of the 8 RCEs in the Americas
-------------------------	--

	<p>participated as well as ESD representatives from Environment Canada and provincial ESD working groups (e.g., Manitoba, Saskatchewan).</p> <ul style="list-style-type: none"> • Pre-conference field trips within Regina and the region were held including a regional field trip (to the Last Mountain Lake Bird Sanctuary, Manitou Springs and Craik EcoCentre) and an urban sustainability field trip in Regina organized by the Saskatchewan Institute of Applied Science and Technology. An urban cycling tour was cancelled due to inclement weather. • A workable schedule for an inter-regional conference among RCEs was pioneered that was well received by conference participants from a diversity of backgrounds and regions. The final schedule employed is available on the conference website (see below). • RCE members discussed models for self-evaluation and inter-regional networking that was documented. • Presentation materials and photos are being compiled on the RCE Saskatchewan conference website: http://www.saskrce.ca/conference2008/
<p>Contact for further information</p>	<p>Roger Petry; (306) 585-5295; roger.petry@uregina.ca Lyle Benko; (306) 949-2992; lyle.benko@uregina.ca Conference website: http://www.saskrce.ca/conference2008/</p>

PROJECT 5

RCE	RCE Saskatchewan
Project title	RCE Student Researcher Inventory of ESD Projects
Project classification (for instance health, sustainable consumption, education...)	RCE Saskatchewan ESD capacity assessment in chosen ESD theme areas (see "Issues that project tackles" below)
Project duration	November, 2007 to December, 2008.
Issues that project tackles	Identification of ESD projects in the RCE Saskatchewan region in the theme areas of Climate Change; Health and Healthy Lifestyles; Reconnecting to Natural Prairie Ecosystems; Farming and Local Food Production, Consumption, and Waste Minimization; Supporting and Bridging Cultures for Community Building; Sustainable Infrastructure including Water and Energy; as well as the overarching issues of sustaining rural communities and regionally appropriate ESD.
Geographic area that project covers	RCE Saskatchewan region (Regina, Saskatoon, and corridor)
Project summary (including activities)	Seven students were hired to conduct an initial inventory of sustainable development education initiatives in the region with one focusing on each of the 6 RCE theme areas and one focusing on the RCEs two overarching themes. Researcher positions were advertised on the RCE Saskatchewan website (www.saskrce.ca) and circulated among RCE members on November 3, 2007, with a closing date of

	<p>November 14, 2007. Applications received were reviewed by the respective RCE working group coordinator or co-coordinators. Three students were hired in December, 2007, three were hired in January, 2008, and one was hired in April, 2008. Two of these are doctoral students, 1 is at the masters level, and 4 are undergraduate students. Regular joint monthly meetings with student researchers and supervisors have occurred since December, 2007, with meetings held on December 14, 2007, and January 23, February 27, March 26, April 28, and May 15, 2008. Agendas and minutes for each of these meetings is posted on the RCE Saskatchewan website under the respective meeting date. Students have also met individually with their respective supervisors to develop student researcher workplans. Students and supervisors have collectively discussed information gathering strategies and the creation of a standard template for documenting ESD projects. While initially considering the SurveyMonkey website tool for this data gathering, the RCE has opted for an OpenSource survey module available for the Drupal content management system used for the RCE Saskatchewan website. This is in keeping with efforts to minimize costs and keep RCE information stored in a single location.</p>
<p>Expected results</p>	<ul style="list-style-type: none"> • Creation of a database of ESD projects in the RCE Saskatchewan region in each of its 6 theme areas and two overarching themes by December, 2008. • Creation of a survey instrument to catalogue ESD projects in the region in the Drupal Content Management System (completed in May, 2008, and available at http://www.saskrce.ca/?q=node/532) • Creation of a poster summarizing accomplishments and challenges to date. Created in May, 2008, and presented at the Poster Session/Display Area of the “RCE Conference of the Americas 2008”, May 25-27, 2008.
<p>Contact for further information</p>	<p>Roger Petry; (306) 585-5295; roger.petry@uregina.ca Lyle Benko; (306) 949-2992; lyle.benko@uregina.ca RCE Saskatchewan website: www.saskrce.ca</p>