**Ideas from UR Sustainable Campus – Sustainability Strategic Plan**

**Engagement Sessions - March 5 and March 11, 2014**

**Waste Reduction/Consumption**

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| **Recycling:** | • Paper recycling (academics, students and staff)<br>• Efficient, easily accessible.<br>• Keep recycling that we do, but build on it<br>• Fluorescent light recycler<br>• Containers (more bins, different colours, pictures)<br>• Computer equipment (every 5 years)<br>• Batteries<br>• Electronic recycling<br>• Other recyclables<br>• Full recycling (zero waste) |
| **Energy** | • Efficiency (heating and illuminating)<br>• Computer labs at night time<br>• Smart interpreters – motion sensor lights (light it right)<br>• LED lighting |
| **Construction & Maintenance** | • Reuse construction materials<br>• WCA/U of R – relocating trees<br>• Low flow toilets, waterless urinals<br>• Water filling stations<br>• Washroom (auto dispensers, air drying)<br>• Newer plumbing fixtures<br>• Smart buildings<br>• Reduce pesticides |
| **Food Services** | • Recyclable/biodegradable dishware (no plastic or Styrofoam)<br>• Composting (vermiculture, demonstration projects) on site to avoid transportation<br>• Edible campus, communal gardens<br>• Trayless dining throughout campus<br>• Reusable containers, napkins, etc...<br>• Local food procurement<br>• Food recovery, no waste<br>• Reusable/recyclable coffee mugs (incentive for bringing own cup)<br>• Bins for food waste/compost<br>• Container exchange programs<br>• Vegan and vegetarian options, healthier options<br>• Environmentally friendly take out containers |

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| **Printing** | • Optimization<br>• Double-sided printing (default)<br>• Limit printing |
| **Technology** | • Efficiency<br>• Reuse computers<br>• Electronic books/notes (discounts for electronic books)<br>• Open source software's<br>• Electronic signature documents<br>• Electronic submissions<br>• Use manual machines – lawn mowers, snow removal<br>• Technology for sustainability (solar power compaction of waste/garbage) |
| **Water** | • Efficiency<br>• Watering grass at wrong times of day (don't water, natural vegetation)<br>• Gray water toilets<br>• reduce drips<br>• Urinals and toilets (waterless, auto-flush, low water consumption)<br>• Water collection from rain<br>• Limit bottled water |
| **Advertising & Communications** | • Promote what is already happening (Awareness)<br>• Environment friendly marketing materials.<br>• Enhance concept of sustainability<br>• Proper knowledge is important – needs experts<br>• Creating more information<br>• Link between waste and health (consumption, CO2)<br>• Incentives for being sustainable (Starbucks)<br>• How to recycle<br>• Use U of R's website to show improvements (comparisons)<br>• Develop key messages (Short-term cost, long-term gain)<br>• Create a "kijiji" for students.<br>• Online forum for reusable materials<br>• Waste management competition<br>• Class and office talks |
| **Other** | • Training for communication<br>• Training in general<br>• Partner with other institutions – hospitals, universities<br>• Get rid of plastics<br>• More research<br>• U-Pass<br>• Do not sell Styrofoam or plastics on campus.<br>• Waste audit<br>• Green chemicals campus wide |

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| | • Online exams |
| **Ideas** | • Balance natural environment and university environment<br>• Top-down and bottom-up actions, initiatives.<br>• Cultural shift<br>• Waste management competition<br>• Connect waste to health<br>• Streamline bureaucracy<br>• Courageous leadership<br>• Sustainability ahead of saving money short-term<br>• Systems thinking<br>• Sustainability in strategic plan, policies<br>• More networking<br>• Behavioural changes, cultural changes<br>• Waste heat recycling<br>• Zero-waste objective |

## Transportation

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| **Carpooling** | • Separate parking<br>• Decreasing parking spots<br>• Carpooling network, website, app<br>• Advertising<br>• Later in the day |
| **Bus** | • UPass<br>• Tickets<br>• Better schedule (Sunday)<br>• Shuttle to buy groceries, bars<br>• Live transit on screens<br>• Rerouting bus services<br>• Increase services during holidays<br>• Bus only entrance |
| **Bicycle** | • Co-op rental program<br>• Bike racks<br>• Institution support<br>• Safe storage, cages.<br>• Bike lanes to campus and on campus<br>• Racks downtown<br>• Safe return home (rainy days)<br>• Bike shop<br>• Map of routes to campus |
| **Advertising** | • Awareness is necessary |

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| | • Inform people of the services that already exist |
| **Parking** | • Increase cost of parking<br>• Consider meter and regular parking<br>• Parking fines<br>• Motorcycle parking<br>• Multi-story parking<br>• Shared passes<br>• Price based on car size |
| **Other** | • More services on campus (centralization)<br>• Hybrid charging stations<br>• University transit system<br>• Efficiency<br>• Work with the city, present a model.<br>• All new construction should consider pedestrians and bikers.<br>• Wascana Parkway, better safety, walkover, decrease speed limit.<br>• Be conscious low income people and families<br>• Driverless cars<br>• Link registration with transportation |
| **Ideas** | • Lead by example as an institution<br>• Using new technology<br>• Achieve at least 50% coming to campus via public transportation<br>• Sustainability in every aspect of university and everyday life<br>• Nordic ski trails<br>• Better marking in parking stalls. |

## Energy Conservation and Generation

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| **Facilities** | • Connected buildings to save energy and money.<br>• Heat transfer in RIC.<br>• Motion sensor lights<br>• New Sustainable buildings<br>• Green roofs<br>• Classes in one building especially at night<br>• Lowering temperatures<br>• Rehabilitate College Ave. Campus.<br>• Proper signs<br>• Colour influences conservation<br>• Dashboards for energy consumption<br>• Regulate temperatures better<br>• Optimization<br>• Proper insulation |

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| | • Living laboratories<br>• Natural light<br>• Amphitheatre for teaching<br>• Rain water collection |
| **Technology** | • LED<br>• Research on green energy<br>• Windmills, turbines and solar power. Generating heat and electricity<br>• Cold weather for refrigeration<br>• Using waste to produce energy (methane from landfill)<br>• Reduce use of technology<br>• Hydro-thermal power generation |
| **Advertising & Communications** | • Let people know of what the U of R is already doing<br>• Simple information that everyone can understand<br>• Inform the public about energy successes<br>• Experts to explain what's happening on campus<br>• Use local experts (UofR)<br>• Educate people on conserving energy |
| **Other** | • Bike rentals/parking to reduce gas consumption<br>• Make students accountable for their consumption<br>• Learn from other universities<br>• Engage with students |
| **Ideas** | • Make part of strategic plan<br>• Full time sustainability office<br>• Use energy from gym workout<br>• Take advantage of the extreme weather<br>• Partnering with other communities<br>• Heat from animals.<br>• Volunteerism high in Sask.<br>• Daylight savings time.<br>• Unplug electronics.<br>• Top down approach<br>• Ensure admin support for sustainability<br>• Transparency and accountability by the university authorities<br>• Be a model for other universities |

## Land Use, Food & Education

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| **To keep** | • Lots of green spaces (but use them better)<br>• Gardens<br>• Farmers' market |
| **Eliminate** | • Pesticides |

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| **Food** | • Healthy food, it is easier to eat unhealthy on campus.<br>• Whole foods, organic foods. Make more convenient to eat healthy.<br>• Connect farmers market to residences.<br>• Educate people about whole foods |
| **Education** | • Learn from other universities.<br>• Interdisciplinary connections and teams.<br>• Direct connections with policy makers.<br>• Annual conferences (UofR, UofS, SIAST, but also elementary & high schools)<br>• Competition tied to quality of life issues. Sustainability made the easier choice.<br>• Sustainability should be part of everyone's degree program |
| **Ideas** | • Native prairie landscaping.<br>• Use prairie areas for classes (biology, geology, biochemistry, daycare)<br>• Weeds control through steam (UofS)<br>• Bring goats periodically. Use a bio-system approach to pest management.<br>• Wetland area (water filtration), recreational in winter.<br>• Native grasses.<br>• Develop a showcase of prairie ecosystem biodiversity |

## Open Theme(s)

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| **Other important ideas to be discussed** | • Interconnection of sustainable activities<br>• All areas in the university should become more efficient<br>• Community engagement, awareness, walking paths. Engagement at all levels (students, staff, community, policy makers)<br>• Environment and culture<br>• Procurement (vendor options, fair-trade, organic local foods)<br>Focus on "dreams" (do the impossible)<br>• Gardens<br>• Landscape/land use<br>• Pesticides<br>• Look at what other organizations do, not only other universities.<br>• Community kitchen<br>• Grocery store with healthy foods.<br>• Funding for sustainable initiatives<br>• Mandatory sustainability class (interdisciplinary)<br>• CIDA funding international students<br>• Showcase – biodiversity<br>• UofR as Living Lab |

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| | • Local Production and educational opportunities<br>• Partnering in imperative |
| **Tablecloths** | • Non printable documents<br>• Turn of the lights<br>• Become energy self-sufficient (even sell green energy)<br>• Self-sufficient gym machines<br>• Green house for winter gardening<br>• Divest from fossil fuels<br>• Sustainability in all university programs<br>• Concentrate students in one only building at night<br>• Paperless paystubs<br>• Free water bottles and coffee mugs<br>• Green cleaner<br>• Teacher training<br>• Incentives for embracing sustainability<br>• Electric vehicles for campus facilities |