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Air Quality Management (A)

A6.0 Goal: To encourage research, education and innovation respecting air quality management with a view to preventing and reducing adverse impacts on the environment and the economy now and for future generations.

A6.1 Number and short description of research projects or innovations implemented with the intent of improving air quality in University facilities or programs offered on or off-campus. **(Goal: Non-zero positive number with short description of each.)**

Energy Use Management Indicators (E)

E1.0 Goal: Continuously reduce overall energy demand, and where energy is required, to give preference to local, renewable energy sources; reduce total expenditures for energy resources and fuels; and as much as practicable, minimizing waste, GHG emissions, and the negative environmental and social impacts arising from the University's use of energy resources.

E1.1 Total annual electrical consumption in KwH. **(Goal: Annual reductions to theoretical**

GP5.0 Goal: Conserve resources, prevent pollution and avoid waste by procuring goods, materials and services that require less material and energy to manufacture, package, and transport, are durable, reusable, recyclable and use renewable forms of energy during production, transport, delivery and use.

GP5.1 Total annual weight (in kilograms) of metals and / or metal products procured by the university. **(Goal: Decreasing annually to theoretical minimum.)**

GP5.2 Total annual weight (in kilograms) of metals and / or metal products procured by the university from recycled sources. **(Goal: Increasing annually to 100% of consumption.)**

GP5.3 Total annual weight (in kilograms) of wood and paper products procured by the university. **(Goal: Decreasing annually to theoretical minimum.)**

GP5.4 Total annual weight (in kilograms) of wood and paper products procured by the university from recycled sources. **(Goal: Increasing annually to 100% of consumption.)**

GP5.5 Percentage of total number of goods, materials and products that contain recycled material content. **(Goal: Positive year over year increase as products become available, approaching 100%.)**

GP5.6 Total annual embodied energy of the products, materials, goods, and services procured by the university. **(Goal: Year over year decrease.)**

GP6.0 Goal: Encourage training and research programs which increase awareness and encourage adoption of more sustainable procurement practices among students, faculty, administration and support staff at the University.

GP6.1 Summary of educational, professional development, and general awareness activities designed to encourage research and increase participation in green procurement activities, practices, and product choices. **(Goal: Anecdotal reports & number (should increase to specified optimum.)**

GP7.0 Goal: Include provisions in all contracts, tenders, and RFPs which implement the intents of this Policy with respect to all suppliers of goods, services and materials hired or purchased by the University.

GP7.1 Percentage of total annual number of RFPs, tenders and supplier contracts that included the university's green procurement policy. **(Goal: 100%)**

Land Use Planning and Property Management Indicators (L)

L1.0 Goal: Strive continuously to adopt approaches to land use planning, landscape design and construction, and grounds maintenance which:

L1(a) reduce waste;

L1(a).1 See goals and indicators for Waste Minimization Policy.

L1(b) reduce use of toxic pest management substances;

L1(b).1 Annual amount of chemical herbicide applied to university landscapes in liters. **(Goal: 0 kgs. or 0 liters.)**

L1(b).3 Annual amounts (in kgs., liters, gms, etc) of chemicals applied to university landscapes for any purpose (e.g., chemical fertilizers, ice-melt compounds, dust control products, etc.). **(Goal: Annual reductions to practical minimum.)**

L1(c) reduce the energy intensity of grounds maintenance activities;

L1(c).1 Percentage of landscaping using xeriscaping techniques and materials. **(Goal: Increasing to 100%)**

L1(c).2 Annual quantity in liters of fossil fuels consumed by grounds maintenance machinery and vehicles (mowers, snow blowers, sidewalk plows, etc

L2.5 Percentage of cleaning products used annually the unused portions of which are designated as hazardous wastes (as defined by CEPA or Federal Transportation of Dangerous Goods Act.).

S3(b) Use all renewable materials and energy resources at rates equal to, or lower than, their natural rates of deposition, reformation or reproduction in the ecosphere;

S3(b).1 SEE goals and indicators for all sustainability policies.

S8.2 Strategic goals and performance targets set by Senate for sustainability performance consistent with continuous improvement. **(Goal: Strategic goals and performance targets that enhance campus sustainability.)**

S8.3 Documented evidence that changes / improvements in the sustainability management system are being made on an *annual* basis. **(Anecdotal reports of improvements.)**

Participation Indicator

Participation in educational, professional development, and general awareness activities that encourage research and increase participation in sustainability education, sustainable transportation, waste reduction, water conservation, practices and product choices. **(Goal: Report number (should increase to some optimum?)**

Reporting Indicators

Annual report of air quality management, energy management, green procurement, land use and property management, sustainable transportation, waste reduction, and water management performance. **(Goal: Tabled annually.)**

Post policies and performance reports on air quality, energy management, land use and property management, green procurement, sustainable transportation waste reduction and water management to website. **(Goal: Documentation posted to website.)**

Research and Awareness Indicator

Summary of educational, professional development, and general awareness activities designed to encourage research and increase participation in waste reduction, green procurement, and water conservation.

ISO Certification Indicator

ISO certification of overall Sustainability Management System. **(Goal: Evidence of ISO certification.)**

Sustainable Transportation Indicators (T)

T1.0 Goal: Encourage the development and adoption by students, administration, staff and faculty, of modes of transportation that:

T1(a) progressively reduce consumption of fossil fuels used for transportation;

T1(a).1 Total annual **fossil fuel** consumption for university **fleet vehicles**.

T1(a).5 Total estimated annual **fossil fuel** consumption incurred from **reimbursed inter-city bus** travel by university faculty, students or support staff.

T2.2 Pre-training-post-training change scores measuring knowledge about and use of sustainable transportation modalities and services by students, faculty and support staff.

T2.3 Anecdotal reports of information services, equipment, activities or events that promote sustainable transportation on campus.

T2.4 Percentage of students, faculty and support staff who regularly walk to campus.

T2.5 Percentage of students, faculty and support staff who regularly cycle to campus.

T2.6 Percentage of students, faculty and support staff who regularly use urban mass transit to travel to campus.

T2.7 Percentage of students, faculty and support staff who regularly use carpooling or ridesharing to travel to and from campus for work or classes.

T2.8 Percentage of students, faculty and support staff who regularly drive single occupant vehicles to campus.

T2.9 Participation rates for students, faculty and support staff in Resource Conservation Manitoba's Commuter Challenge.

T2.10 Avoided trips represented by distance-education course delivery, teleconferences, telecourse enrollments, etc.

Waste Reduction Indicators (W)

W1.0 Goal: Strive toward zero waste emissions from the University's use of energy and materials through the hierarchical application of resource demand reduction, reuse, recycling and recovery.

W1.1 Annual total weight (in kilograms) of municipal solid waste sent to landfill. **(Goal: Decreasing annually to practical minimum.)**

W1.2 Annual total weight (in kilograms) of materials diverted from landfill and recycled. **(Goal: Increasing annually to practical maximum.)**

W1.3 Percent of waste reduced over previous year's waste production.

W1.4 Percentage of recyclable materials being lost to landfill. **(Goal: Decreasing annually to zero.)**

W1.5 Annual total weight of organic materials composted (in kilograms). All organic materials (including all food and yard wastes) should be included in the calculation. **(Goal: Increasing annually to practical maximum.)**

W2.0 Goal: Manage hazardous wastes in compliance with all applicable statutes and regulations, striving to minimize the use of hazardous materials, and wherever practicable, eliminating t(n)-5.40351(g..1(i)-4.51781(2(c)3.88456(t)4.51781(2.51781(n)-5.40351(a)2(w)-31.029(i)]T

W3.0 Goal: Plan and develop transportation infrastr ucture on the university campus that encourages and supports reduction of wastes that ma y be incurred from transportation sources, (e.g., use of space for par king which might otherwise be allocated to green space, discharge of substances l ike used motor oils to the waste stream, etc.).

W3.1 SEE Goals and Indicators for Sustainable Transportation.

Water Use Management Indicators (WR)

WR1.0 Goal: Strive for zero waste in the University 's use of water, and zero emissions of toxic or hazardous substances to waste water systems.

WR1.1 Percentage of all water fixture that are water conserving models. (Goal: 100%)

WR1.2 Evidence of conformance with neutralization of toxic, chemically active, or biohazard substances before discharge to waste water stream. (Goal: Complete regulatory compliance.)

WR2.0 Goal: Strive continuously to reduce, as far a s practicable, the University's demand for potable water, the discharge of pollutants to water , and the production of waste water from all University programs, facilitsi6.51781(l)-17.3596(i)8.(o)-5.40507( )-43.i( )-441.1370.296(t)-17.3596(o)-9.03