ANNUAL SUSTAINABILTY REPORT

2013

2014

YORK UNIVERSITÉ UNIVERSITY

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"Lu Zhou"
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Message from the President

Fifty-five years ago, York University was founded on principles of social responsibility, and since that time, we have built a strong commitment to sustainability. From the classroom to the laboratory and to operations across our campuses, we strive to be a leader on sustainability in higher education.

In 2008 I formed the President's Sustainability Council to give members of our community an opportunity to become involved in sustainability efforts here at York. The Council is a means by which students, faculty and staff can come together to discuss the challenges and opportunities associated with sustainability, and to propose innovative ideas and solutions that will help us to move forward. I am proud to say that six years after the Council was formed, it has now put forth 98 recommendations to the University administration, all of which have been accepted. Of these recommendations, approximately three-quarters have been either completed or have seen significant, ongoing progress towards completion.

The work of the Council, and of faculty, staff and students contributing to sustainability across the University, is showing up in impressive ways. In the classroom, we have over 500 courses that focus on environmental or sustainability related themes. Our

Faculty of Environmental Studies continues to be a leader in post-secondary education on sustainability, and the MBA program at our Schulich School of Business has been ranked the top program on sustainability and corporate social responsibility for 10 straight years.

Our successes are not limited to the classroom. With an ongoing commitment to excellence, many staff members working on sustainability have helped us to achieve truly transformational results in energy reduction, waste diversion, water conservation, local food and sustainable transportation. In fact, a number of these staff members were recognized when we awarded the first President's Sustainability Leadership Awards in April of this year.

We also continue to receive external recognition for our efforts. In April 2014 we were named one of Canada's Greenest Employers for the second year in a row, and we continue to rank highly on external surveys on university sustainability.

I am very proud of our accomplishments, but I know there is more work to be done. We have built a strong foundation and we will continue to strive to be innovators and to work as a community to reduce our ecological impact. I offer my sincere congratulations and ongoing encouragement to the many students, faculty and staff who have helped us to get this far—and who will take us even further.

Sincerely,

Mamdouh Shoukri

President & Vice-Chancellor

"At York University, we have a longstanding commitment to excellence in sustainability."

Introduction & New Recommendations

At York University, we have a longstanding commitment to excellence in sustainability. Whether it is teaching, research, or action on campus, our community of students, faculty and staff continue to play a leading role in making York one of the greenest post-secondary institutions in Canada. This report outlines the work of the President's Sustainability Council for the 2013-2014 academic years, while also providing updates on the progress of recommendations made by the council in previous years. Up to and including last year's report, the PSC has made 85 recommendations, including:

- 14 that have been completed
- 20 where significant progress has been made
- 19 where work has begun
- 2 not yet started, and
- 28 where work is ongoing

There are 13 new recommendations for 2014-2015

1. That the PSC adopt a revised Terms of Reference (which was reviewed during the 2013-2014 academic year and is attached as Appendix C.)

Administrative Working Group

2. That, in addition to the Annual Sustainability Report, the PSC develops a shorter, reader-friendly sustainability report that captures annual ‘highlights’ for wider circulation and communications purposes.

Social Justice and Human Rights

3. That York University apply in 2014 to be designated as a “Fair Trade Campus.”

Campus Operations and Development

4. That York publishes, on annual basis, its Energy Conservation and Demand Management Plan.
5. That York consider the installation of electric recharging stations and prepare for their use by assembling “best practices” regarding the operation of the new facilities, for communication to the public as part of this initiative.

6. That FES Researchers be provided with a high profile location for the accommodation of a pilot project examining the use of solar power in the use of electric vehicle recharging stations.
7. That tobacco waste control efforts focus on collaboration with interested building occupants to target key areas of non-compliance, including loading docks and under building awnings, with a view to improving health and safety in those areas.
8. That a protocol be developed which allows community members to advertise in a manner that does not cause the destruction of property or otherwise adversely impact the university environment, and that the Office of the Vice President of Administration and Finance, through CSBO, bring together a working group for posturing with the objective of creating the new protocol.
9. That CSBO collaborate with pertinent stakeholders, including the Vice President of Student Services, and Corporate Communications, to develop a program aimed at deterring further graffiti on campus.
10. That CSBO, Food Services, develop an operating framework and mandate for an ongoing Farmers' market during summer 2014 to ensure that it is integrated and operated within a broader Food Services program as a

University-sanctioned event and is compliant with relevant policies and practices.

11. That the expansion of the pedestrian and cycling network along Ian Macdonald Blvd. from Chimneystack Rd. to Shoreham Blvd. be considered.
12. That York consider a requirement that all new buildings demonstrate the structural and electrical capability to accommodate renewable energy, so that at minimum, new buildings are “solar ready” and can be considered in a future initiative when it becomes more viable to pursue solar power.
13. That the tree inventories recently completed be uploaded into York’s asset management tool so that it may be used in the tracking of all tree activity and changes; it is also recommended that a website be created to make the tree inventory information available to the public.

"The PSC is an advisory body to the President, with a mandate to help advance sustainability initiatives on campus."

Message from the PSC Chair

Ilan Kapoor, Chair,
President's Sustainability Council

The PSC is an advisory body to the President, with a mandate to help advance sustainability initiatives on campus. The Council is made up of students, staff, administrators, and faculty. We are committed to a holistic and equitable approach to taking action that recognizes the full consequences and benefits of what we do. Our long term perspective acknowledges our responsibility to be innovators and to continually work as a community to reduce our ecological impact. Our vision of sustainability and details about our mandate are provided on our website (www.yorku.ca/sustainability). Membership of the PSC during 2013-14 can be found in Appendix B, while detailed progress on previous recommendations can be found in Appendix A.

Since its inception, the Council has followed a consensus-based process for decision-making. The Council met four times between May 1, 2013 and April 30, 2014; the agendas and minutes of these meetings are posted on the Council website (http://www.yorku.ca/susweb/psc/). The Student Sub-Committee has also held regular meetings in order to ensure that the specific concerns and priorities of York's student body are integrated into our campus sustainability initiatives.

The PSC has four “working groups,” each of which has met regularly throughout the year. The working groups are organized around four themes, capturing the broad scope of sustainability issues at York:

- Administrative and Organizational Structure
- Campus Operations and Development
- Curriculum
- Social Justice and Human Rights

Working groups are coordinated by Council members, and participation is open to the broad York community. During 2013-14, the working group coordinators were: Ross McMillan and Andrew Plunkett (administrative); Alice Pitt (curriculum); Noel Badiou and Annette Dubreuil (social justice and human rights); and Steve Dranitsaris, Chris Wong and Helen Psathas (campus operations and development).

While the next sections of this report provide a comprehensive review of PSC’s 2013-14 accomplishments, the following are five highlights:

1. President’s Sustainability Awards: Based on the PSC recommendation from last year, York’s inaugural President’s Sustainability Awards were set up this year. Several excellent nominations were received and adjudicated by our Awards Committee, and five award

winners were selected. President Shoukri gave out the awards at York's Earth Day celebrations on April 22, 2014.

2. Farmer's Market: As a result of the PSC's recommendation from last year, and responding to interest from the York community, a Farmer's Market was piloted on Keele campus as a collaboration between CSBO Food Services and the student-led Regenesis@York. The market was a notable success, running in the Fall and Winter terms and providing York community members greater access to wellness products and a variety of healthy, locally grown and farm-fresh foods. The plan is to continue to organize the Farmer's Market next year by integrating it into the University's broader Food Services program.
3. Sustainability Courses: In co-operation with York's Registrar, the PSC has carried out an analysis of York courses and determined that, over the 2013/2014 year,

there were 503 courses related to environment and sustainability at York. This very impressive number is testament that York is a Canadian and global hub for sustainability-related teaching and research. The plan is for the Registrar's Office to design an online "filter" that will allow students and faculty to retrieve a continually updated list of sustainability-related course offerings.

4. Electric Vehicle Recharging Stations: In order to encourage York community members to adopt more sustainable transportation to and from campus, the PSC is recommending that the University install electric recharging stations. If approved, this pilot project will be used to identify "best practices" for electric vehicle transportation, as well as help raise greater awareness about sustainability at York.
5. York Named One of Canada's Greenest Employers: In April 2014, York was named, for the second year in a row, as one of Canada's Greenest Employers. This is excellent news, reflective of the hard work and impressive progress that York has been making on sustainability for several years.

Ilan Kapoor
Chair, President's Sustainability Council

Report of the President's Sustainability Council Student Subcommittee

Report of the President's Sustainability Council Student Subcommittee

This year, the Student Sub-Committee (PSCSS) reflected on its mandate and mission as a student advisory body that advances sustainability goals from a student perspective. The PSCSS focused their efforts this year on developing a plan to engage the York student community in a systemic, scientific and institutionalized manner to ensure their interests were reflected throughout the development of York's sustainability policies, procedures and programs.

The subcommittee held 4 meetings during the year with the objective to exchange ideas on how we could support the work of the four working groups of the President's Sustainability Council (PSC), the ways in which engagement could become more rigorous and systemic, and to provide updates on sustainable happenings around campus. The PSCSS developed a systemic process of university wide student engagement, including: consultation with the Council of College of Masters, holding focus groups in each college twice a year, and other targeted engagement efforts as determined. The Student Sub-

Committee has previously employed an outreach strategy founded in a concerted effort to attract and arrange a network of student clubs and associations. However, the high turnover rate among student associations and the fact that connections were largely personal instead of institutional meant that our club-focused efforts were largely unable to provide the basis for long term and systemic engagement with the wider community. Furthermore, as the PSCSS mandate requires it to advance sustainability goals through the sustainability council working groups, the need to establish a strong policy compliment was recognized.

In order to ensure that future engagement efforts were rooted in an institutional approach, and that the PSCSS was properly configured to transform the community's ideas into coherent policy, an additional volunteer position (the Policy & Research: Volunteer Officer position) was created. The PSCSS Terms of Reference were amended to include the activities related to designing and analyzing the outreach session data and researching and drafting policy recommendations as required.

This volunteer position will commence as of the 2014 fall term. The PSCSS will also be discussing the addition of a fifth and sixth Student Sub-Committee seat to the PSC in the fall of 2014. If agreed upon, this will be forwarded to the PSC for consideration.

Throughout the year, Darnel Harris served as Chair, with Chris Bentley and Courtny Vaz serving as Student Representatives. Ashana Bryan and Guiqing Zhang served as the Secretary and Outreach Secretary respectively. Student Subcommittee members regularly attended all working groups and efforts were made to outreach to the entire student community through our social media channels and campus partners to inform the student community about our progress.

The Student Sub-Committee is committed to creating a sustainable world in concert with the President's Sustainability Council at York University. The subcommittee is proud to engage in a political process of change, and will continue to seek to redefine and change the sustainability culture at York. We recognize the importance of engaging the creative side of our community and seek to harness the community's creative energies to facilitate positive change. The Student Sub-Committee will continue to give voice to the student community's concerns through research, engagement and policy development.

Reports from the PSC Working Groups

Reports from the PSC Working Groups

The following are reports from each of the four working groups of the PSC, including summaries of progress during the past year on recommendations from previous years. Recommendations that have been completed or were not advanced in 2013-14 are not included here, but can be found in the table in Appendix A.

Administrative and Organizational Structure

The PSC Working Group on Administrative and Organizational Structure (AOS) held five meetings during the 2013-2014 academic year, focusing discussion on 3 previous recommendations:

2014-1: Register for and participate in the STARS program, and provide the additional administrative and financial resources necessary for participation.

2014-2: Develop a pilot initiative on signage on a specific sustainability initiative, in conjunction with relevant staff persons, in order to study the potential effectiveness of signage and social marketing in

changing behaviour and enhancing campus sustainability.

2014-3: Create a President's Sustainability Award that would recognize efforts of an individual or a team that initiates, adopts and/or fosters a culture of sustainability.

The working group also held discussions on the format of the Annual Sustainability Report. It was agreed that the report has improved over the years, but also that, as the number of recommendations increase, the readability of the report has been reduced. As a result, the working group and puts forth the following recommendation:

2014-4: That, in addition to the Annual Sustainability Report, the PSC should develop a short, reader-friendly sustainability report that captures annual 'highlights' for wider circulation and communications purposes.

This year's co-chairs were Ross McMillan, Assistant Director, Student Community & Leadership Development, and Andrew Plunkett, Sustainability Coordinator, Office of the President.

Progress on Previous Recommendations during the Reporting Year

2010-1: Register for and participate in the STARS program, and provide the additional administrative and financial resources necessary for participation.

Progress: Work has begun

The working group discussed the coordination of York's STARS submission during the academic year. The potential benefits of STARS have been outlined in previous reports, but include:

- Assisting the University in identifying areas of strength and weakness in sustainability planning, implementation and reporting (essentially acting as a 'gap analysis')
- Enhancing data collection on sustainability indicators
- Providing an opportunity to compare York's efforts to other North American schools
- Providing additional profile to the University's sustainability efforts, including the ability to utilize the STARS branding.

However, concerns have also been raised that STARS will be labour intensive, and might take resources away from other priorities. As such, it was agreed that the completion of STARS should be done in such a way that it will not place undue resource pressures on other departments. To that end, the Sustainability Coordinator will work with other staff in each area to group the STARS data into 3 categories:

1. Data that is readily accessible
2. Data that is readily accessible, but requires analysis or calculation to meet STARS requirements
3. Data that is not readily accessible, or that may require extensive analysis or calculations to meet STARS requirements

Staff with responsibility over the information required for the completion of STARS will be given ample time to come up with the information, and the data collection process will prioritize the first 2 categories. For the third category, the Sustainability Coordinator will work with the responsible staff person to determine whether or not the pursuit of these particular STARS credits is worth the staff time required. This will be done on a case by case basis. In specific cases where the information is not available, or is deemed too time-consuming to gather, the University would forfeit those particular STARS points.

The Sustainability Coordinator, with assistance from a workstudy student, will be responsible for coordinating the University's STARS submission. Work on this will begin in the 2014 summer term.

2010-2: Develop a pilot initiative on signage on a specific sustainability initiative, in conjunction with relevant staff persons, in order to study the potential effectiveness of signage and social marketing in changing behaviour and enhancing campus sustainability.

Progress: Work has begun

The working group held several meetings on this topic that included relevant staff people from CSBO and Marketing and Communications. Staffs from CSBO are interested in a waste pilot initiative that would encourage students in classrooms and large lecture halls to take greater responsibility for the waste they generate, thereby reducing the resources required to keep these rooms clean. A pilot project is currently being designed that will be launched in the summer term. The project will identify a set of classrooms and lecture halls for the pilot period, and a marketing campaign will be designed by the Marketing and Communications department that will encourage students to place their waste in the appropriate bin upon leaving the

classroom. Key messages will be delivered through a variety of media, including screens in classrooms and lecture halls, posters, and social media. Results from the summer pilot initiative will be analyzed to determine the feasibility of a large, university-wide campaign during the academic year.

2013-4: Create a President's Sustainability Award that would recognize efforts of an individual or a team that initiates, adopts and/or fosters a culture of sustainability.

Progress: Completed, but ongoing.

The working group discussed the implementation of the President's Sustainability Leadership Awards, including the timing of the awards, number of awards, and the establishment of a committee to decide on the award winners. A website was created for the awards, and the nomination period opened in January 2014, and closed at the end of February. Eight nominations were received.

The awards committee met in mid-March, and selected the 5 award winners (see Appendix D) . The winners were announced in a Yfile story in mid-April, and the awards were given out during the 2014 Earth Day celebration on April 22nd. Substantial

coverage of the awards and Earth Day celebration was received through Yfile and social media.

Curriculum

During 2013-2014, the PSC Working Group on Sustainability in the Curriculum held four meetings. As a relatively new group, the working group's discussions focused primarily upon: (1) clarifying the role of the working group in relation to other existing university structures and committees responsible for curricular matters; and (2) identifying strategic opportunities for working group engagement to support the University's position as a leading sustainable university.

The Working Group acknowledged that given its human resources capacity and scope of responsibility, it would not be possible to address all past recommendations and chose, instead, to focus on key areas of opportunity and to develop a greater understanding of best practices. The Working Group also identified the need to make revisions to recommendations.

Additionally, the working group also looked at the STARS (Sustainability Tracking, Assessment and Rating System) criteria on curriculum. This exercise was informative for the working group, in that it gave the group a sense of what are considered 'best practices' in sustainability in the curriculum, and to what degree York is pursuing and achieving these best practices. The data collected during this process will inform the University's STARS submission.

The working group did not put forth any new recommendations during the reporting period.

Progress on Previous Recommendations during the Reporting Period

2010-3: The Office of the Vice Provost Academic will facilitate the enhancement of sustainability in curricular contexts through existing academic planning mechanisms and aligned university committees.

Progress: Ongoing

The Office of the Vice Provost Academic continues to work closely with all York Faculties and Senate Committees on curriculum and program development matters.

2010-4: The Vice Provost Academic will undertake to discuss with the new Vice Provost Students the creation of a Working Group, involving students, faculty and staff, with a mandate to explore and foster co-curricular intellectual interest in issues of sustainability.

Progress: Work has begun

A meeting was held on co-curricular opportunities in sustainability, and content for a website is also being developed. Several faculty members and staff have expressed interest.

2010-6: Cultivate intellectual interest in sustainability among students and faculty through symposia and/or key events

Progress: Ongoing

Over the past year, the University continued to sponsor and support numerous symposia and events focused on sustainability, including the Fair Trade Fair, Focus on Sustainability Film Festival, Earth Hour and Earth Day events, and numerous lectures and book launches.

2010-7: Bring forward discussion of sustainability to the Teaching & Learning Working Group on Technology

Enhanced Learning in order to identify strategies to embed sustainable practices in course design and teaching practices across the University.

Progress: Work has begun

This past year, the Academic Technology Advisory Group (chaired by the Associate Vice President, Teaching and Learning) released the University's eLearning Strategy, A Case for Change -eLearning Integration at York University and Recommended Actions. While not specifically focused promoting more sustainable practices, the University in implementing its eLearning Strategy, will more effectively incorporate technology into both face-to-face and blended courses and continue to explore opportunities for fully online programs.

2010-8: Explore the opportunity, perhaps in collaboration with relevant faculty members, to: a) undertake research to identify how other post-secondary institutions nationally and internationally support sustainability in the curriculum; and b) conduct key informant discussions internally and externally to identify opportunities for new or enhanced academic offerings related to sustainability that meet emergent workforce needs

Progress: Work has begun

a) The Working Group, with the support of a Graduate Assistant, initiated research to explore best practices among higher education institutions related to supporting sustainability in the curriculum. The Working Group does not have any significant information to report at this time since the research was initiated late in the year but will provide an update by end of 2014.

b) Where appropriate, and as part of the development of new or enhanced academic offerings, the University engages in consultations and/or key informant discussions to explore how programs can meet emergent workforce needs. Over the past year, the University is developing or has developed new programs where student's learning related to sustainability are required for their success in the workforce. Programs and new academic pathways (e.g. Urban Sustainability, Global Heath, Engineering programs) have included consultation with internal and external partners. Furthermore, the University has also participated in an emerging dialogue led by the Conference Board of Canada and involving industry, government and other educational institutions to discuss the future workforce skills/learning needs of postsecondary education students.

2009-11: Develop a greater focus on sustainability in the York curriculum

Progress: Ongoing

Sustainability continues to be a strong feature of York's curricular offerings and the University offers an impressive array of programs (undergraduate, graduate and certificate) and individual courses that address many aspects of sustainability. Over the past year, several new programs have been brought forward to relevant curriculum committees for consideration and/or have been approved by Senate. The Faculty of Health's new BA and BSc in Global Health, approved by Senate this year, is an example of interdisciplinary program focused on the health of a global population and how the connections between health and environmental, political and economic issues

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2009-12: Work with the relevant faculty members/offices to design and implement a survey about sustainability within existing York curriculum

Progress: Ongoing

Given the administrative challenges and unreliability of implementing a pan-University survey about sustainability within existing York curriculum, the Working Group with the support of a graduate student, adopted a different approach to gather

information. With the co-operation of the Registrar's Office, an analysis of the all York course titles and course outlines was conducted. Over the 2013/2014 year, more than 570 York courses included sustainability as a core feature of course content. Sustainability-related courses were available in all Faculties both at the graduate and undergraduate levels.

2009-13: Include sustainability in more courses and academic programs throughout the University

Progress: Ongoing

The University continues to support existing curriculum planning processes (at Faculty and Senate levels) in the development of new courses and academic programs. The exercise undertaken to identify the number of sustainability-related York courses reveals that the University has an impressive range of curricular offerings. As direct result, plans are underway in conjunction with the Registrar's Office to facilitate ways that students, interested in taking sustainability-related courses within and outside of their program, may be able to do so more readily.

The Working Group also suggests that this recommendation be merged with 2009-11.

2009-14: Encourage and support the development of non-degree offerings in sustainability

Progress: Ongoing

This year, the University hired its first Executive Director, Continuing and Professional Education to support the development of non-degree offerings throughout the University. The Vice Provost Academic will meet with the new Executive Director to discuss opportunities to develop courses and/or certificates related to sustainability.

2009-15: Provide students with more opportunities to do research and work on campus sustainability projects

Progress: Work has begun

In 2013/2014, the University released its new Strategic Research Plan 2013-2018, which aims to build on York's research strengths and also aligns York's research goals with the

University's sustainability and community engagement priorities. "Forging a Just and Sustainable World" is among one of the six themes of York's new Strategic Research Plan. The Plan also emphasizes a commitment to enhancing opportunities for students to become involved and familiar with research. The undergraduate experience will be enhanced by the integration of academic research into the classroom/courses and more upper year students will be able to become involved in research projects and internship opportunities.

The working group also looked at current examples of experiential education on sustainability at York, with a view to replicating and expanding on these opportunities in the future. Provisionally titled TREES (Teaching, Research and Experiential Education in Sustainability), this initiative will continue to document and explore opportunities for students to gain hands-on experience in sustainability at York University.

The Working Group also notes that, over the past year, several opportunities have been developed for students to do research and work on sustainability projects (e.g. the Critical Urban Planning course in FES, which worked in the Jane/Finch community).

Social Justice and Human Rights

During 2013-2014, the PSC Working Group on Social Justice & Human Rights (SJ&HR) held six monthly meetings. At these meetings, the working group discussed many complex and interconnected issues. The primary focus this year was to move forward two recommendations: (1) investigating the possibility of becoming certified by Fair Trade Canada to be a "Fair Trade University" and (2) exploring viable mechanisms to promote and expand opportunities for community use of space on our campuses.

In addition, this year the working group developed Terms of Reference for the working group to manage its governance, including a definition on Social Justice & Human Rights.

This year's co-chairs were Noël Badiou, Director, CHR and Annette Dubreuil, Coordinator, IRIS.

All meetings were constructive and emphasis was placed on advancing past recommendations. Emerging from the extensive discussions and follow-up research was one new recommendation on Fair Trade:

2014-11: York University apply in 2014 to be designated as a "Fair Trade Campus."

Progress on Previous Recommendations during the Reporting Period

2013-3: Investigate current practices on campus, best practices at other post-secondary institutions, and the possibility of becoming certified by Fair Trade Canada to be a "Fair Trade University".

Progress: Work has begun

A sub-committee on becoming recognized by Fair Trade Canada was led by Andrew Plunkett, Sustainability Coordinator for the University. Andrew brought in Professor Darryl Reed and students associated with the Green Campus Co-operative who have been exploring this option as well. Together, Andrew and Darryl met with Fair Trade Canada, who were impressed by York's efforts on Fair Trade to date. The application for Fair Trade designation will be completed during the summer 2014 term.

2013-5: Invite committees, ad-hoc working groups, and other stakeholder groups to present to the committee once per year to ensure collaboration and consideration of social justice and human rights values (e.g. Access York, Community Safety, YUDC, etc.).

Progress: Ongoing

This year, the working group had presentations from Regenesis@York on the Black Creek bridge project; Temporary Use of University Space on access to space on campus; and Green Campus Co-operatives on becoming a Fair Trade Campus.

2013-6: (Amended#9, 2012 and #22, 2009) On an ongoing basis, the President's Sustainability Council shall identify, monitor, and where possible, help to strengthen implementation of the York University Secondary Plan and Keele Campus Master Plan with respect to social justice and human rights considerations embodied in these documents.

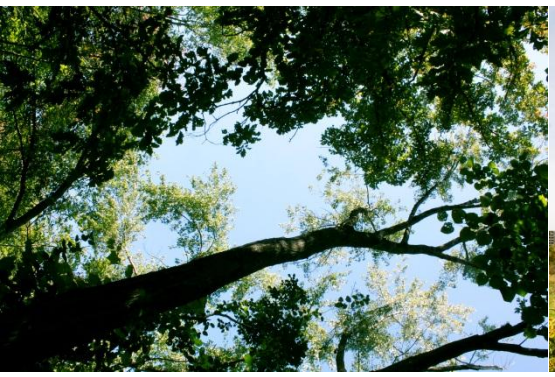
Progress: Ongoing

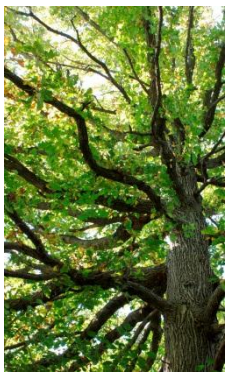
During June 2013, Chris Wong from YUDC provided an update on the status of the York University Secondary Plan. Going forward, the working group will continue to ask for an annual update on progress, and that invitations to community consultations are brought to the attention of the Working Group for broad dissemination across the university.

2012-6: Create further opportunities for campus wide discussion, especially with students, to solicit input about SJ&HR issues in a sustainability context.

Progress: Ongoing

In 2013-14, there has been ongoing progress on this recommendation. This year there were again several Earth Hour Events held, a Fair Trade Fair, and the XAO – Expressions against Oppression week hosted by YFS.





2012-7: York U communicates regularly with the neighbouring communities using plain language and various accessible means to promote opportunities to connect with the campus (for example, events, facilities, etc.)

Progress: Ongoing

In 2013-14, examples of communications to the neighbouring communities included the TD Community Engagement Center's continued wide dissemination of its e-newsletter to the Jane/Finch community. Every year the Community Relations office organizes the door-to-door distribution of the Good Neighbour Guide to students and homeowners living in the Village. This resource provides information on rights and responsibilities of individuals living in a community, tips on staying safe and important service numbers.

2012-8: Continue to explore viable mechanisms to promote and expand opportunities for community use of space on our campuses.

Progress: Work has begun

In 2013-14, conversations moved forward with the office of Temporary Use of University Space, the office of the Vice-President Finance and Administration, Campus Service & Business Operations: Accommodation & Conference Services, York's Community Relations Office, and the TD Community Engagement Centre, along with the SJ&HR working group. Communicating consistent and transparent information for access to available space on the website are planned, and an option to provide a limited amount of space at no cost to the

community is being explored. These activities also relate to #17-2009.

2012-10: Continue to support and monitor progress related to previous SJ&HR recommendations in past PSC reports recognizing that several of the 2011/12 recommendations are refinements of previous recommendations based on the progress and new information gathered. (#10 in 2010)

Progress: Ongoing

Progress continues to advance on this recommendation and as the nature of social justice work is ongoing, we recommend that a new status code be added to the PSC Annual Report titled “completed, but requires ongoing support and monitoring”. This way we will not lose sight of past recommendations that need continued monitoring.

2010-10: Develop the York University-TD Community Engagement Centre (CEC) as a hub for York's various academic and non-academic outreach and engagement activities. (See #10 in 2012)

Progress: Ongoing

A review of the CEC was completed in 2013-14 with a revised mandate and priorities. Mandate: The York University TD Community Engagement Centre supports the University's commitment to build a more engaged university by facilitating mutually-beneficial collaborations between York University and the Black Creek community.

Core Functional Areas: The CEC is a pan-university resource centre situated in the Black Creek community that:

a) Fosters academic innovation in teaching and learning through community engaged pedagogy and experiential education opportunities
b) Supports post-secondary educational attainment among community residents and the development of academic pathways
c) Enhances capacity of York faculty/students and community partners to work collaboratively on community-based research.

2010-12: Develop an electronic portal for external groups to understand York engagement opportunities and make requests for York resources and services.

Progress: Work has begun

In Spring 2014, the Community Relations office initiated the development of an online, searchable database of Community

Engagement (CE) activities. Based on the “Inventory of Community Engagement” (2010) this database will serve as a dynamic clearinghouse of the variety of CE activities happening at YorkU. This information will contribute to a more comprehensive story of the positive impact York is having on the community and demonstrate that York truly is the engaged university.

2010-16: Advocate, with the City of Toronto, the Toronto Region Conservation Authority and other partners, for the construction of a physical link across the Black Creek, to enhance pedestrian and bicycle access to York University.

Progress: Work has begun

While there has been significant progress mode in the sense that there is a direct paved path across Black Creek equidistant between Shoreham and Finch, there is also a call for a bridge to be built across the ravine at that location, which would potentially further improve mutual Jane/Finch and York University community access. A plan is being developed for a bridge by Regenesis@York for submission to CSBO. In 2013-14, Regenesis@York made a presentation on their research findings to the committee and has also undertaken a survey with Project KNCT on “to research the effect of the Black creek bridge on

pedestrians in the York University and Village and to create initiatives to improve the safety, accessibility and value around York pedestrian safety."

2010-17: Improve access to York facilities such as the library system, buildings, and sports complexes and laboratories. In particular, a number of days each year should be designated as "community use days" for specified facilities (with streamlined approval process and waived or significantly reduced fees for facility use).

Progress: Ongoing

Completed, as the recommendation is the same as #8, 2012 (above). Work has begun insofar as a smart building management system is in development, but further progress reports should be in response to recommendation #8, 2012 (see above). The working group on space will continue to work on this in 2014-15.

Campus Operations & Development

During 2013-2014, the PSC Working Group on Campus Operations & Development held three meetings. The first two were Co-chaired by Steve Dranitsaris, Senior Executive Officer,

Office of the Vice President of Finance and Administration and Christopher Wong, Director Transportation and Master Planning, York University Development Corporation. The last meeting was chaired by Helen Psathas, Senior Manager, Environmental Design and Sustainability, Campus Services and Business Operations. Christopher Wong and Helen Psathas will Co-Chair this working group during the 2014-2015 academic year.

There were presentations and discussion on the following:

- Renewable Energy
- Farmers' Market
- Expansion of Cycling infrastructure
- Tobacco Waste Control
- Poster and Graffiti Control
- Energy Conservation and Demand Management Plan
- Electric Vehicle Recharging Stations
- Expanding the pedestrian and cycling network on the north side of Keele Campus
- Green Building standards
- Tree Inventory for Keele and Glendon Campuses

The meetings were constructive, with robust discussion on the focus of future operational green initiatives. There was acknowledgement that while significant achievements have been made in key indicator areas of sustainability, for example, energy

management, waste and transportation, ongoing efforts is will always be required to achieve continuous improvement in managing York's environmental footprint.

New Recommendations

2013-1: 2014-1: The University should publish, on annual basis, its Energy Conservation and Demand Management Plan.

2013-2: 2014-2: The University should consider the installation of electric vehicle recharging stations and prepare for their use by assembling "best practices" regarding the operation of the new facilities, for communication to the public as part of this initiative.

2013-3: 2014-3: FES Researchers should be provided with a high profile location for the accommodation of a pilot project examining the use of solar power in the use of electric vehicle recharging stations.

2013-4: 2014-4: Tobacco waste control efforts should focus on collaboration with interested building occupants to target key areas of non-compliance, including loading docks and under building awnings, with a view to improving health and safety in those areas.

2013-5: 2014-5: Develop a protocol which allows community members to advertise in a manner that does not cause the destruction of property or otherwise adversely impact the university environment, and that the Office of the Vice President of Administration and Finance, through CSBO, bring together a working group for postering with the objective of creating the new protocol.

2013-6: 2014-6: CSBO should collaborate with pertinent stakeholders, including the Vice President of Student Services, and Corporate Communications, to develop a program aimed at deterring further graffiti on campus.

2013-7: 2014-7: CSBO, Food Services, develop an operating framework and mandate for an ongoing Farmers' market during summer 2014 to ensure that it is integrated and operated within a broader Food Services program as a University-sanctioned event and is compliant with relevant policies and practices.

2013-8: 2014-8: The expansion of the pedestrian and cycling network along Ian Macdonald Blvd. from Chimneystack Rd. to Shoreham Blvd. be considered.

2013-9: 2014-9: York should consider a requirement that all new buildings demonstrate the structural and electrical capability to accommodate renewable energy, so that at minimum, new buildings are “solar ready” and can be considered in a future initiative when it becomes more viable to pursue solar power.

2013-10: 2014-10: The tree inventories recently completed should be uploaded into York’s asset management tool so that it may be used in the tracking of all tree activity and changes; it is also recommended that a website be created to make the tree inventory information available to the public.

Progress on Previous Recommendations during the Reporting Period

2013-7: Work should focus on better aligning heating, ventilation and air conditioning systems with programmed space use within buildings (e.g. classroom use), and on opportunities for further reductions through other community engagement

initiatives, behavior modification and process changes.

Progress: Significant progress

Early progress was achieved in energy upgrades, retrofits and better alignment of HVAC with programmed space use, particularly in electricity, together with the identification of other efficiencies, but progress has been impacted by the backlog in required maintenance upgrades, and by the extremely harsh winter in 2013-14.

2013-8: Efforts should also aim at monitoring the renewable energy market for cost effective technologies that are compatible with York's physical footprint and energy grid.

Progress: Ongoing

Monitoring is continuous, and certain positive changes have been made in the Ontario Power Authority Feed-in Tariff Program (FIT), which are encouraging to large institutional, multi building entities, such as universities; large scale initiatives will not be economical until other key changes in current funding programs are undertaken; these focus mainly on the method of metering and how energy generated is fed back into the grid.

2013-9: In the 2013-2014 year, the Res Race to Zero program should be expanded to commence in September, engaging students in a broader program of sustainability, including water, waste, stewardship, and community involvement.

Progress: Completed, but ongoing

Through the efforts of SCLD and CSBO, Res Race to Zero has expanded to engage students in a broader program of sustainability, including waste, water, pollution and campus environment.

2013-10: Conclusive evidence of the presence of the Emerald Ash Borer at Keele campus was established in the spring of 2012. A program of assessing all Ash trees was completed in summer of 2012. The inventory included a rating of all the trees, and those that could be saved were earmarked for a multi-year treatment program aimed at reversing the devastation posed by the insect infestation. The treatment program should be continued over the summer of 2013.

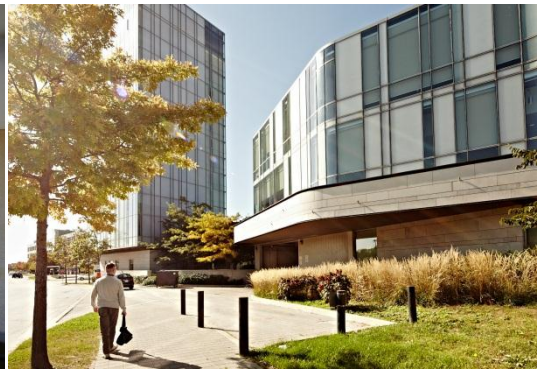
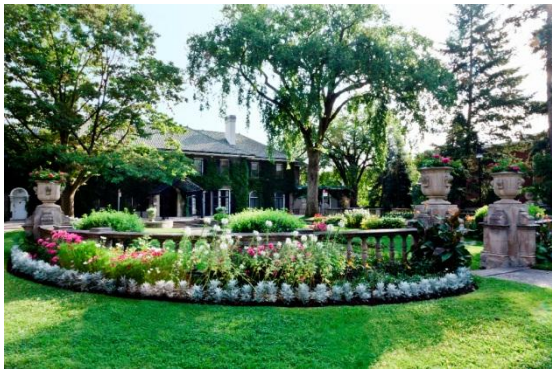
Progress: Completed, but ongoing

Injections for EAB will continue on a multi-year program, and tree health will be monitored.

2013-11: An overall tree inventory was commenced for Keele Campus in summer of 2012, and should be completed in 2013. An overall tree inventory for Glendon Campus should also be undertaken and completed in 2013.

Progress: Completed, but ongoing

Further work is required on the inventory as the result of the ice storm in December 2013.

2013-12: The York University Master Plan for the academic lands includes policies for the protection of all major opens spaces, including the four woodlots. Background technical studies have been completed assessing conditions and making recommendations

for woodlot management. An assessment of the recommendations of these technical reports should be conducted in 2013-2014, including community consultation and identification of resource requirements for implementation.

Progress: Work has begun

While work has commenced on this, a more fulsome review and consultation program will be undertaken upon the completion of City approvals for the York University Master Plan.

2013-13: Considerable interest has created the proposal to pilot a Farmers' Market on Keele campus as collaboration between and among CSBO Food Services, Regenesis@York, the PSC Student Sub-committee and other campus partners.

Progress: Completed (pilot)

A weekly Farmers' market was run during the fall and winter terms, with funding from Food Services and volunteer support from Regenesis@York. Located in the TEL building, the market included a variety of local and artisan vendors, offering a range of goods, including produce and meats, prepared meals and baked goods, and wellness products. Feedback from the

community was very positive and there is interest in having it resume in fall 2014.

2013-14: Tobacco waste is a growing concern, mainly due to toxicity of the cigarette butts, leaching toxins into the soil and ground water. It's a human and environmental health issue, and it detracts from the quality of the University's public areas.

A University strategy is required for more effective management of cigarette butts which are presently being discarded by smokers in gardens, rockery, walkways and other common spaces. This might include a program of expanding the tobacco waste units on campus, and a communications program to inform smokers of the need to properly "bin their butts".

Progress: Work has begun

Progress has been made as the number of tobacco ash urns installed has doubled over the past year and there has been a noticeable compliance in certain campus areas. The Grounds Department cleaned and reused the tobacco waste units removed several years ago and outfitted the wall-mounted units with new descriptive stickers developed by Communications.

2012-11: Implement a three-year plan to phase out the sale of bottled water at the University, with the phase-out to be complete by September 2015. Steps in this plan include:

- Assess current state of public drinking water infrastructure
- Address deficiencies of existing infrastructure
- Engage community through participation and promotion/education
- Improve access/way of finding to public drinking water
- Reduce bottled water use from administrative areas
- Coordinate phase-out with University Food Services, York Lanes and York University Student Centre
- Establish access to drinking water as an element of York University's standards for new buildings
- Expand water bottle refill stations
- Establish a University policy on sale of bottled water on campus

Progress: Significant progress

There are 67 refill stations currently in place on the Keele and Glendon campuses, with an additional 7 possible locations identified and currently under review. Currently, 194 water fountains are in existence. New building standards include the

requirement for drinking fountains in public areas and water refill stations in all new buildings and major renovated space. Standard Operating Procedures (SOP's) have been developed and enacted for the cleaning and maintenance of fountains and refill stations. Only approved cleaning products are used for cleaning. Stations and fountains cleaned once daily by custodial staff. The York Federation of Students (YFS), together with the assistance of the President's Office, distributed approximately 8,000 refillable water bottles during 2013/14. Work has commenced on a Communications Plan, which is to be posted on the website.

2012-12: Create a University advisory committee on responsible investing that includes student and employee members. The Committee should provide a forum to discuss and express opinions on responsible investing and, from time to time, to provide advice to the University administration through the Vice-President Finance and Administration. The VPFA is responsible for formulating recommendations for decision by the Board of Governors of York University, through its Investment Committee.

Progress: Completed, but ongoing

An Advisory Committee has been set up and the first meeting was held in March 2014 and a series of meetings have been schedule over the next 12 months. At the first meeting a presentation was made on the University's Endowment Investment Policies and related information was provided as an introduction to the Committee members. The next agenda has been drafted and items to be discussed include a draft vision statement and the development of a work plan to "Putting Responsible Investment Into Practice" will begin.

2010-10: Joint recommendation with Social Justice & Human Rights: Develop the York University-TD Community Engagement Centre (CEC) as a hub for York's various academic and non-academic outreach and engagement activities, by expanding employment and enrollment recruitment sessions at CEC and with CEC partners.

Progress: Completed, but ongoing

A review of the CEC was completed in 2013-14 with a revised mandate and priorities. Mandate: The York University TD Community Engagement Centre supports the University's commitment to build a more engaged university by facilitating mutually-beneficial collaborations between York University and the Black Creek community.

Core Functional Areas: The CEC is a pan-university resource centre situated in the Black Creek community that: fosters academic innovation in teaching and learning through community engaged pedagogy and experiential education opportunities; supports post-secondary educational attainment among community residents and the development of academic pathways; enhances capacity of York faculty/students and community partners to work collaboratively on community-based research.

2010-14: In collaboration with the Harry Sherman Crowe Housing Co-Op, explore creation of on-campus employment opportunities for HSC Co-Op youth and residents (e.g. social enterprise, summer employment).

Progress: Ongoing

The Office of the VP Finance and Administration continues to build a close liaison with the Harry Crowe Co-op, holding membership on the Co-op Board. Early discussions have taken place in regard to Recruitment Services in Human Resources working with the Co-op on periodic employment outreach presentations, in partnership with CSBO (for maintenance, custodial, grounds jobs, etc.). This is intended to provide Co-op residents with an overview of the types of employment

opportunities available at York and how to apply. Another initiative to strengthen linkages between the Co-op and York University is an interface being explored with the School of Social Work for student learning experiences that would provide support to families and youth in need.

2010-15: Explore a program for workplace training opportunities, for example, through internships, skilled trade apprenticeships and other employment training in collaboration with local partners and community initiatives, including systems and support for faculty and staff to participate in supervision.

Progress: Ongoing

For the past five years, CSBO has accepted high school co-op placements in trades' areas. With CUPE 1356 (trades, grounds and custodial workers), this partnership is continued with the Board of Education and provides workplace literacy and, through

the HR Technical Learning Centre, computer literacy. Additionally, co-op students from community colleges, architecture and engineering students-in-training, and students in York's Faculty of Environmental Studies have been given postings in CSBO Planning & Renovations, Facilities Development and Campus Planning.

2009-24: Develop a York-specific green standard for the development and construction of all new buildings and building renovations.

Progress: Significant progress

This year the Life Science Building was the most recent building at York to achieve LEED Silver certification; the new Engineering Building and Pan Am Stadium are progressing towards LEED Silver or Gold certification, and the new Student Centre, presently in the design stage, is anticipated to be LEED Gold. The City of Toronto has passed Green Standards that now require all major construction in the City to conform to heightened sustainable building requirements.

2009-32: Develop a York University policy or framework aimed at governing campus food service operations in a more coordinated fashion that enables and

supports the implementation of sustainable practices at a much greater degree than is presently possible.

Progress: Work has begun

In 2012-2013 CSBO Food Services engaged a consultant to assist with the development of a Keele Campus Food Service Master Plan. The scope of work for the study included, among other things, an assessment of the food operations of each of the three food service jurisdictions and the impact each has on the other and the total campus market, as well as an assessment of, and recommendations for, campus food service policies and governance practices. The project was extended to permit additional community consultations. Recommendations will be presented to senior leadership for consideration during summer 2014.

2009-30: Support (and if possible increase support for) organizations focused on traffic demand management, the promotion of transit use and other alternate modes of transportation, and like sustainable transportation initiatives.

Progress: Significant progress

CSBO Transportation Services continues to undertake transportation demand assessments; to liaise with municipal and

regional public transit agencies in coordinating, adjusting and expanding public transit service to campus (now with over 2,500 bus trips daily to campus and the GO train service to communities north to Barrie); and, in conjunction with Smart Commute- North Toronto, Vaughan, to promote alternatives to single occupant motor vehicles. Additionally, there has been continuous improvement with the campus shuttle services, including the evening shuttle service to The Village (residential community south of the Keele campus), the shuttle service to the GO Train station east of the campus, and the inter-campus shuttle to Glendon. This year, Transportation acquired a new barrier free shuttle bus, which will be utilized primarily for Van Go. This past year, Zipcar has increased the number of vehicles on campus to 16.

2009-33: Develop a University food services policy that protects the investments made in campus food operations by restricting on-campus catering and food service provision to caterers and food service providers that are contracted, permitted or otherwise authorized by the University's Food Services office.

Progress: Significant progress

A consultant was engaged by CSBO-Food Services to develop a Food Services Master Plan for the Keele Campus which is

anticipated to lead to a clear framework for food service planning, coordination and delivery on campus. Substantial community consultations were conducted during 2013-2014 in support of this process. Results will be compiled for review by senior administration during summer 2014.

2009-34: Improve the University's marketing of the range of available food services on both campuses, for example through website improvements, and better signage.

Progress: Work has begun

Food Services is working with the York Federation of Students to develop a set of food standards and consistent signage to clearly identify certain food options for the community, including vegetarian, vegan and halal. This will be developed during summer 2014 with a view to implementing the program for the fall. Food Services has also begun using social media to more proactively inform community members about new offerings, specials, events and discounts.

2009-35: Expand and enhance the availability of sitting/common space for use by students (both indoors and outdoors) and improve access to microwaves, water-bottle refilling stations and sinks

for those that bring food from home or want to refill water bottles.

Progress: Significant Progress

Following a successful student referendum in Fall 2013, a second Student Centre has been approved and is in the design stage. The new centre will provide much needed social, study, club and prayer space on campus.

The Office of VPFA and CSBO have worked collaboratively to identify a number of spaces in common areas that can be furnished with seating and electrical plug-in, in order to provide more seats for student social and study use. As mentioned earlier, water bottle refill stations have been installed on the University's two campuses and a building standard established to include water refill stations in all new construction and major renovations.

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Annette Dubreuil

Office of the President

Angus Anderson
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Brian Kelly
Farah Motani
Liisa Stephenson
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Office of the Vice-President, Finance and Administration

Rob Castle
Paul Mayol

PRASE

Abe Salam
Jodi Tavares

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Catherine Salole

Appendix A: Progress at a Glance on Recommendations from Previous President's Sustainability Council Annual Reports

Recommendations	Status	Comments
A. Administration and Organizational Structure		
2013-1: Register for and participate in the STARS program, and provide the additional administrative and financial resources necessary for participation.		Discussions were held at the working group level on a data collection plan for STARS. A summer workstudy student will be hired to assist with this process, and work on the STARS submission will commence in the 2014 summer term.
2013-2: Develop a pilot initiative on signage on a specific sustainability initiative, in conjunction with relevant staff persons, in order to study the potential effectiveness of signage and social marketing in changing behaviour and enhancing campus sustainability.		A pilot project on waste management in classrooms is currently being designed, and will be launched in the summer 2014 term. The project will identify a set of classrooms and lecture halls for the pilot period, and a social marketing campaign will be delivered through a variety of media, including screens in classrooms and lecture halls, posters, and social media. Results from the summer pilot initiative will be analyzed to determine the feasibility of a large, university-wide campaign during the academic year.
B. Curriculum		
No recommendations during the 2013 reporting period.		
C. Social Justice and Human Rights		
2013-3: Investigate current practices on campus, best practices at other post-secondary institutions, and the possibility of becoming certified by Fair Trade Canada to be a "Fair Trade University".		The application for Fair Trade designation will be completed during the summer 2014 term.
2013-4: Expand the Unconferences to more proactively include participation of students, faculty and staff.		No progress during the reporting period.

Legend: Completed | Ongoing | Significant Progress | Work has begun | Not yet started

Recommendations	Status	Comments
2013-5: Invite committees, ad-hoc working groups, and other stakeholder groups to present to the committee once per year to ensure collaboration and consideration of social justice and human rights values (e.g. Access York, Community Safety, YUDC, etc.).		This year, the working group had presentations from Regenesis@York on the Black Creek bridge project; Temporary Use of University Space on access to space on campus; and Green Campus Co-operatives on becoming a Fair Trade Campus.
2013-6 (Amended#9, 2012 and #22, 2009): On an ongoing basis, the President's Sustainability Council shall identify, monitor, and where possible, help to strengthen implementation of the York University Secondary Plan and Keele Campus Master Plan with respect to social justice and human rights considerations embodied in these documents.		During June 2013, YUDC provided an update on the status of the York University Secondary Plan. Going forward, the working group will continue to ask for an annual update on progress, and that invitations to community consultations are brought to the attention of the Working Group for broad dissemination across the university.
D) Campus Operations and Development		
2013-7: Work should focus on better aligning heating, ventilation and air conditioning systems with programmed space use within buildings (e.g. classroom use), and on opportunities for further reductions through other community engagement initiatives, behavior modification and process changes.		Early progress was achieved in energy upgrades, retrofits and better alignment of HVAC with programmed space use, particularly in electricity, together with the identification of other efficiencies, but progress has been impacted by the backlog in required maintenance upgrades, and by the extremely harsh winter in 2013-14.
2013-8: Efforts should also aim at monitoring the renewable energy market for cost effective technologies that are compatible with York's physical footprint and energy grid.		Monitoring is continuous, and certain positive changes have been made in the Ontario Power Authority Feed-in Tariff Program (FIT), which are encouraging to large institutional, multi building entities, such as universities; large scale

Recommendations	Status	Comments
		initiatives will not be economical until other key changes in current funding programs are undertaken; these focus mainly on the method of metering and how energy generated is fed back into the grid.
2013-9: In the 2013-2014 year, the Res Race to Zero program should be expanded to commence in September, engaging students in a broader program of sustainability, including water, waste, stewardship, and community involvement.		Through the efforts of SCLD and CSBO, Res Race to Zero has expanded to engage students in a broader program of sustainability, including waste, water, pollution and campus environment.
2013-10*:* Conclusive evidence of the presence of the Emerald Ash Borer at Keele campus was established in the spring of 2012. A program of assessing all Ash trees was completed in summer of 2012. The inventory included a rating of all the trees, and those that could be saved were earmarked for a multi-year treatment program aimed at reversing the devastation posed by the insect infestation. The treatment program should be continued over the summer of 2013.		Injections for EAB will continue on a multi-year program, and tree health will be monitored.
2013-11: An overall tree inventory was commenced for Keele Campus in summer of 2012, and should be completed in 2013. An overall tree inventory for Glendon Campus should also be undertaken and completed in 2013.		Further work is required on the inventory as the result of the ice storm in December 2013.

Legend: Completed | Ongoing | Significant Progress | Work has begun | Not yet started

Recommendations	Status	Comments
2013-12*:* The York University Master Plan for the academic lands includes policies for the protection of all major opens spaces, including the four woodlots. Background technical studies have been completed assessing conditions and making recommendations for woodlot management. An assessment of the recommendations of these technical reports should be conducted in 2013-2014, including community consultation and identification of resource requirements for implementation.		While work has commenced on this, a more fulsome review and consultation program will be undertaken upon the completion of City approvals for the York University Master Plan.
2013-13: Considerable interest has created the proposal to pilot a Farmers' Market on Keele campus as collaboration between and among CSBO Food Services, Regenesis@York, the PSC Student Sub-committee and other campus partners.		A weekly Farmers' market was run during the fall and winter terms, with funding from Food Services and volunteer support from Regenesis@York. Located in the TEL building, the market included a variety of local and artisan vendors, offering a range of goods, including produce and meats, prepared meals and baked goods, and wellness products. Feedback from the community was very positive and there is interest in having it resume in fall 2014.
2013-14: Tobacco waste is a growing concern, mainly due to toxicity of the cigarette butts, leaching toxins into the soil and ground water. It's a human and environmental health issue, and it detracts from the quality of the University's public areas. A University strategy is required for		Progress has been made as the number of tobacco ash urns installed has doubled over the past year and there has been a noticeable compliance in certain campus areas. The Grounds Department cleaned and reused the tobacco waste units removed several years ago and outfitted the wall-mounted units with new

Recommendations	Status	Comments
more effective management of cigarette butts which are presently being discarded by smokers in gardens, rockery, walkways and other common spaces. This might include a program of expanding the tobacco waste units on campus, and a communications program to inform smokers of the need to properly "bin their butts".		descriptive stickers developed by Communications.
A. Administration and Organizational Structure		
2012-1: Given that the Planning, Budgets and Accountability report (PBA) is no longer printed, which had included a CSBO Sustainability Report, we recommend that future Sustainability reports be more comprehensive. The York University Sustainability report should include specific university sustainability goals with data and progress on those goals, along with a report from the President's Sustainability Council. This approach is currently being done at other Canadian Universities.		The 2013 Sustainability report contained data and progress on sustainability goals. CSBO are currently revising the format for the 2014 Sustainability Report.
2012-2: We recommend that the University consider adding new policies, modifying existing policies, or develop guidelines for the community to reflect best practices in the following areas of sustainability: – Procurement – Food – Paper		Background research and best practice reviews were conducted in each of these areas during 2011-2012. Draft policies on procurement and paper have been developed for discussion and consideration. The development of a food policy is on hold, pending the completion of food surveys by YFS and York Food Services. A water policy is part of the approved motion to phase out the sale of bottled water and is

Recommendations	Status	Comments
– Water - A water policy is part of the approved motion to phase out the sale of bottled water and is expected to be in place by September 2015.		expected to be in place by September 2015.
B. Curriculum		
2012-3: The Office of the Vice-Provost Academic will facilitate enhancement of sustainability in curricular contexts through existing academic planning mechanisms (e.g. quality assurance, development of learning outcomes) and aligned university committees (Community Safety Committee).		The Office of the Vice Provost Academic continues to work closely with all York Faculties and Senate Committees on curriculum and program development matters.
2012-4: The Vice-Provost Academic will undertake to discuss with the new Vice-Provost Students the creation of a Working Group, involving students, faculty and staff, with a mandate to explore and foster co-curricular intellectual interests in issues of sustainability.		A meeting was held on co-curricular opportunities in sustainability, and content for a website is also being developed. Several faculty members and staff have expressed interest.
C. Social Justice and Human Rights		
2012-5: Strengthen York U's messaging to showcase diversity and equity as a key York U commitment. Specifically, the messaging should be highlighted in student, faculty and staff recruitment materials and York U's external webpage.		**Progress:** While much work has been completed towards laying the groundwork for this recommendation, including around food policy, recruitment materials, and website accessibility, the recommendation also identifies "highlighting" those efforts, for which work has not yet begun. No additional progress in 2013-14.

Recommendations	Status	Comments
2012-6: Create further opportunities for campus wide discussion, especially with students, to solicit input about SJ&HR issues in a sustainability context.		In 2013-14, there has been ongoing progress on this recommendation. This year there were again several Earth Hour Events held, a Fair Trade Fair, and the XAO – Expressions against Oppression week hosted by YFS.
2012-7: York U communicates regularly with the neighbouring communities using plain language and various accessible means to promote opportunities to connect with the campus (for example, events, facilities, etc.)		In 2013-14, examples of communications to the neighbouring communities included the TD Community Engagement Center's continued wide dissemination of its e-newsletter to the Jane/Finch community. Every year the Community Relations office organizes the door-to-door distribution of the Good Neighbour Guide to students and homeowners living in the Village. This resource provides information on rights and responsibilities of individuals living in a community, tips on staying safe and important service numbers.
2012-8: Continue to explore viable mechanisms to promote and expand opportunities for community use of space on campus.		In 2013-14, conversations moved forward with the office of Temporary Use of University Space, the office of the Vice-President Finance and Administration, Campus Service & Business Operations: Accommodation & Conference Services, York's Community Relations Office, and the TD Community Engagement Centre, along with the SJ&HR working group. Communicating consistent and transparent information for access to available space on the website are planned, and an option to provide a limited amount of space at no cost to the community is being explored. These activities

Legend: Completed | Ongoing | Significant Progress | Work has begun | Not yet started

Recommendations	Status	Comments
		also relate to #17-2009.
2012-9: Monitor, and where possible, strengthen the social justice and human rights considerations in the implementation of the York University Secondary Plan.	Amended	See 2013 - 6
2012-10: Continue to support and monitor progress related to previous SJ&HR recommendations in past PSC reports recognizing that several of the 2011/12 recommendations are refinements of previous recommendations based on the progress and new information gathered.		Progress continues to advance on this recommendation and as the nature of social justice work is ongoing, we recommend that a new status code be added to the PSC Annual Report titled “completed, but requires ongoing support and monitoring”. This way we will not lose sight of past recommendations that need continued monitoring.
D) Campus Operations and Development		
2012-11: It is recommended that the President authorize the implementation of a three-year plan developed by the Vice-President Finance and Administration to phase out the sale of bottled water at the University, with the phase-out to be complete by September 2015. This plan should address the following: ▪ Assess current state of public drinking water infrastructure; ▪ Address deficiencies of existing infrastructure; ▪ Engage community through participation and promotion/education;		There are 67 refill stations currently in place on the Keele and Glendon campuses, with an additional 7 possible locations identified and currently under review. Currently, 194 water fountains are in existence. New building standards include the requirement for drinking fountains in public areas and water refill stations in all new buildings and major renovated space. Standard Operating Procedures (SOP’s) have been developed and enacted for the cleaning and maintenance of fountains and refill stations. Only approved cleaning products are used for cleaning. Stations and fountains cleaned once daily by custodial staff. The York Federation of Students (YFS), together with the assistance of the President's Office, distributed approximately

Recommendations	Status	Comments
▪ Improve access/way finding to public drinking water ; ▪ Reduce bottled water use from administrative areas; ▪ Coordinate phase-out with University Food Services, York Lanes and York University Student Centre ; ▪ Establish access to drinking water as an element of York University's standards for new buildings; ▪ Expand water bottle refill stations; and ▪ Establish a University policy on sale of bottled water on campus.		8,000 refillable water bottles during 2013/14. Work has commenced on a Communications Plan, which is to be posted on the website.
2012-12: It is recommended that the University create an advisory committee on responsible investing that includes student and employee members. The Committee should provide a forum to discuss and express opinions on responsible investing and, from time to time, to provide advice to the University administration through the Vice-President Finance and Administration. The VPFA is responsible for formulating recommendations for decision by the Board of Governors of York University, through its Investment Committee. The scope of the Advisory Committee's work might include:		An Advisory Committee has been set up and the first meeting was held in March 2014 and a series of meetings have been schedule over the next 12 months. At the first meeting a presentation was made on the University's Endowment Investment Policies and related information was provided as an introduction to the Committee members. The next agenda has been drafted and items to be discussed include a draft vision statement and the development of a work plan to "Putting Responsible Investment Into Practice" will begin.

Recommendations	Status	Comments
▪ Advice about investments where investment managers can actively engage; ▪ Identification of companies who may be involved in activities contrary to the University's principles and beliefs, where active engagement by York's investment managers would be warranted; ▪ Advice about circumstances in which stocks held by the University may cause social or environmental injury; ▪ Advice on proxy voting guidelines, including areas in which the University should invoke proxy voting; and Identification of like-minded organizations, shareholder groups or coalitions, with which the University could potentially affiliate or become a member.		
A. Administration and Organizational Structure		
2010-1: Implement a pilot project for student engagement in sustainability in the summer of 2011, and **2010-5**: Create a strategy that details how the Council and the Student Sub-Committee will engage the York community to establish greater awareness of sustainability, the work of the Council, as well as the opportunities for		There are currently a number of opportunities for the York community to become engaged in sustainability, including the Sustainability Ambassadors initiative (with over 60 volunteers so far), a Green Office program, the Eco-Team (56 members), Green Clubs initiative, and many outreach events. Additionally, during the past two academic years, two work/study Sustainability Assistants assisted with those efforts and maintained a high visibility for York's

Recommendations	Status	Comments
engagement.		sustainability efforts by tabling every Thursday during the academic year in the RED Zone in Vari Hall. The Sustainability Coordinator and Assistants also maintain a regular presence on social media through Twitter and Facebook. All of these efforts have been guided by a comprehensive communications plan.
2010-2: Compile a list of University policies and procedures that are related to sustainability. The list will be reviewed to see if there are any opportunities for modification, and the list of relevant policies and procedures will be posted on the Sustainability Website.		Several York University policies that relate to sustainability were reviewed, including the policies on sustainability, capital projects, brand stewardship procedures, procurement, vehicle idling, surplus asset disposal, accessibility, employment equity and investments. Committee members then reviewed best practices on campus sustainability policies and procedures from members of the Association for the Advancement of Sustainability in Higher Education (AASHE) in areas such as food, building, water, paper and waste.
2010-3: Encourage University divisions and departments to integrate sustainability into their Integrated Resource Plans.		We have been working with the Integrated Resource Planning office to assist us in advancing the sustainability agenda at York University. The University will be updating their Divisional and unit plans in the summer of 2012 and there will be an explicit reference to sustainability in one of the five strategic priorities. We expect that the plans that will be submitted will include specific reference from each Division and unit as to how they will advance the culture of sustainability at York.

Recommendations	Status	Comments
2010-4: Create a President's Sustainability Award that would recognize efforts of an individual or a team that initiates, adopts and/or fosters a culture of sustainability.		The working group discussed the implementation of the President's Sustainability Leadership Awards, including the timing of the awards, number of awards, and the establishment of a committee to decide on the award winners. A website was created for the awards, and the nomination period opened in January 2014, and closed at the end of February. Eight nominations were received. The awards committee met in mid-March, and selected the 5 award winners. The winners were announced in a yfile story in mid-April, and the awards were given out during the 2014 Earth Day celebration on April 22nd. Substantial coverage of the awards and Earth Day celebration was received through Yfile and social media.
B. Curriculum		
2010-6: Cultivate intellectual interest in sustainability among students and faculty through symposia and/or key events.		Over the past year, the University continued to sponsor and support numerous symposia and events focused on sustainability, including the Fair Trade Fair, Focus on Sustainability Film Festival, Earth Hour and Earth Day events, and numerous lectures and book launches.
2010-7: Bring forward discussion of sustainability to the Teaching & Learning Working Group on Technology enhanced Learning in order to identify strategies to embed sustainable practices in course design and teaching practices across the University (for example, use of electronic		This past year, the Academic Technology Advisory Group (chaired by the Associate Vice President, Teaching and Learning) released the University's eLearning Strategy, A Case for Change -eLearning Integration at York University and Recommended Actions. While not specifically focused promoting more sustainable

Recommendations	Status	Comments
assignment drop-box).		practices, the University in implementing its eLearning Strategy, will more effectively incorporate technology into both face-to-face and blended courses and continue to explore opportunities for fully online programs.
2010-8: Explore the opportunity, perhaps in collaboration with relevant faculty members, to: a) undertake research to identify how other post-secondary institutions nationally and internationally support sustainability in the curriculum; and b) conduct key informant discussions internally and externally to identify opportunities for new or enhanced academic offerings related to sustainability that meet emergent workforce needs		a) The Working Group, with the support of a Graduate Assistant, initiated research to explore best practices among higher education institutions related to supporting sustainability in the curriculum. The Working Group does not have any significant information to report at this time since the research was initiated late in the year but will provide an update by end of 2014. b) Where appropriate, and as part of the development of new or enhanced academic offerings, the University engages in consultations and/or key informant discussions to explore how programs can meet emergent workforce needs. Over the past year, the University is developing or has developed new programs where student's learning related to sustainability are required for their success in the workforce. Programs and new academic pathways (e.g. Urban Sustainability, Global Heath, Engineering programs) have included consultation with internal and external partners. Furthermore, the University has also participated in an emerging dialogue led by the Conference Board of Canada and involving industry,

Recommendations	Status	Comments
		government and other educational institutions to discuss the future workforce skills/learning needs of postsecondary education students.
C. Social Justice and Human Rights		
2010-9: Establish an assessment model for community investments, including time, financial, in-kind and other resource allocations.		Not yet started.
2010-10: Develop the York University-TD Community Engagement Centre (CEC) as a hub for York's various academic and non-academic outreach and engagement activities, by: a. expanding employment and enrollment recruitment sessions at CEC and with CEC partners; b. creating more opportunities to educate local community agency/support staff (such as youth workers, job developers, faith leaders) recognizing their important role as key influencers within the community for youth/residents interested in post-secondary education; c. building/enhancing current mentoring activity between York students and local youth (including WAY, partnering with Teacher candidates, and through nursing student placements in local schools and at Black Creek Community Health Centre);		A review of the CEC was completed in 2013-14 with a revised mandate and priorities. Mandate: The York University TD Community Engagement Centre supports the University's commitment to build a more engaged university by facilitating mutually-beneficial collaborations between York University and the Black Creek community. Core Functional Areas: The CEC is a pan-university resource centre situated in the Black Creek community that: ▪ Fosters academic innovation in teaching and learning through community engaged pedagogy and experiential education opportunities ▪ Supports post-secondary educational attainment among community residents and the development of academic pathways ▪ f) Enhances capacity of York faculty/students and community partners to work collaboratively on community-based research.

Recommendations	Status	Comments
and d. developing capacity to host and support more York students who are high achieving local secondary school grads.		
2010-11: Explore policies and procedures at other institutions with a view to developing the best practices for improved community access to York, including access to events such as college speakers' series, the March Gala, public workshops, and fine arts performances.		**Progress:** Completed. For example, Colleges and Faculties utilize community resources and expertise in their research interest and bring that back to the community through 'academic labour'. That has allowed us to continue to form ties and relations to this community and enhance the perception of York University to be included as part of the overall sense of the word 'community'.
2010-12: Develop an electronic portal for external groups to understand York engagement opportunities and make requests for York resources and services.		In Spring 2014, the Community Relations office initiated the development of an online, searchable database of Community Engagement (CE) activities. Based on the "Inventory of Community Engagement" (2010) this database will serve as a dynamic clearinghouse of the variety of CE activities happening at YorkU. This information will contribute to a more comprehensive story of the positive impact York is having on the community and demonstrate that York truly is the engaged university.
2010-13: Develop promotional materials for local neighbourhoods and other underrepresented communities that outline programs, admissions, scholarship, financial aid and engagement opportunities.		Recruitment has developed significant materials and outreach efforts for local neighbourhoods.

Recommendations	Status	Comments
2010-14: In collaboration with the Harry Sherman Crowe Housing Co-Op, explore creation of on-campus employment opportunities for HSC Co-Op youth and residents (e.g. social enterprise, summer employment).		The Office of the VP Finance and Administration continues to build a close liaison with the Harry Crowe Co-op, holding membership on the Co-op Board. Early discussions have taken place in regard to Recruitment Services in Human Resources working with the Co-op on periodic employment outreach presentations, in partnership with CSBO (for maintenance, custodial, grounds jobs, etc.). This is intended to provide Co-op residents with an overview of the types of employment opportunities available at York and how to apply. Another initiative to strengthen linkages between the Co-op and York University is an interface being explored with the School of Social Work for student learning experiences that would provide support to families and youth in need. (*text from Operations Working Group*)
2010-15: Explore a program for workplace training opportunities, for example, through internships, skilled trade apprenticeships and other employment training in collaboration with local partners and community initiatives, including systems and support for faculty and staff to participate in supervision.		For the past five years, CSBO has accepted high school co-op placements in trades' areas. With CUPE 1356 (trades, grounds and custodial workers), this partnership is continued with the Board of Education and provides workplace literacy and, through the HR Technical Learning Centre, computer literacy. Additionally, co-op students from community colleges, architecture and engineering students-in-training, and students in York's Faculty of Environmental Studies have been given postings in CSBO Planning & Renovations, Facilities Development and Campus Planning. (*text from Operations*

Recommendations	Status	Comments
		Working Group)
2010-16: Advocate, with the City of Toronto, the Toronto Region Conservation Authority and other partners, for the construction of a physical link across the Black Creek, to enhance pedestrian and bicycle access to York University.		While there has been significant progress mode in the sense that there is a direct paved path across Black Creek equidistant between Shoreham and Finch, there is also a call for a bridge to be built across the ravine at that location, which would potentially further improve mutual Jane/Finch and York University community access. A plan is being developed for a bridge by Regenesis@York for submission to CSBO. In 2013-14, Regenesis@York made a presentation on their research findings to the committee and has also undertaken a survey with Project KNCT on "to research the effect of the Black creek bridge on pedestrians in the York University and Village and to create initiatives to improve the safety, accessibility and value around York pedestrian safety."
D) Campus Operations and Development		
2010-17: All University contracted, non-franchised food service outlets that serve coffee and tea provide its customers with at least one option of fair trade certified coffee and tea at all times; that information on fair trade be displayed; and that these options are priced so that cost alone will not be an overriding factor in consumer selection. This approach, as a principle, should be extended to include other fair trade commodities (for example, sugar and		Significant progress has been made on this recommendation, and the University will be submitting an application in the summer 2017 term to be certified as a 'Fair Trade Campus' by Fair Trade Canada. (please also see 2013-3 and 2014-11).

Recommendations	Status	Comments
cocoa) where this becomes feasible.		
2010-18: Request the York University Development Corporation and the York University Student Centre to take the same approach with their contracted tenants and embed the requirement for a similar fair trade certified coffee and tea option in leases of food service operators within their respective premises. This approach, as a principle, should be extended to include other fair trade commodities (for example, sugar and cocoa) where this becomes feasible.		Meetings were held with staff from the Student Centre and YUDC, who voiced support for Fair Trade designation. Work is ongoing as part of the Fair Trade Campus application.
2010-19: The University should give preference to suppliers who can meet or exceed predetermined “green” specifications. Procurement Services could include in their Request for Proposal (and other “RFx” procurement documents) criteria/specifications from suppliers that could be quantified on responses received As a starting point to be able to test this recommendation, Procurement Services should focus on goods that are easily measurable and have accepted industry standards, such as appliances (EnergyStar, Energuide), paper (FSC – Forest Stewardship Council) and vehicles (fuel efficiency, hybrid/alternate fuel technology).		Significant progress. Please refer to 2013 Annual Report.

Legend: Completed | Ongoing | Significant Progress | Work has begun | Not yet started

Recommendations	Status	Comments
2010-20: Develop a York-University-wide Green IT program that would, among other initiatives, include the following: a) Develop and issue a series of green IT guidelines to be adopted by all IT units across the institution; b) Further explore and, where practical, adopt virtualization technology and cloud computing as means of achieving efficiencies and energy consumption reductions; c) Establish institution-wide standards for the management of IT infrastructure, servers requiring spaces with specialized utilities, and other considerations; d) Work with Procurement Services to establish and adopt minimum power efficiency standard for all new computer hardware; e) Work with Procurement Services and the Waste Management department to develop a procurement process that requires consideration and adoption of life-cycle assessment for computer hardware purchases and in-house mechanisms to collect, recover and ensure that end-of-life computer equipment are recycled responsibly; f) Develop and implement a centralized workstation power management		Work on each of these initiatives is ongoing: a) Work on this initiative is continuing. UIT consults with it clients and identifies opportunities that will reduce energy and use of paper. Examples of this include the implementation of Sm@rtBuy (on-line purchasing system) and the Time Managing Support System (payroll, attendance tracking/reporting, etc.) where thousands of monthly paper transactions will be replaced by electronic transactions. b) Adopting virtualization technology is standard practice for all new and upgraded systems unless there are specific requirements that preclude it. Over 60% of the servers managed by UIT are virtualized. While UIT added approximately 170 new servers over the year, the total physical server count was reduced by 50. c) UIT provides standardized data-centre services for use by UIT, other IT groups, and researchers. This allows optimal use of space, power and cooling resources. Use of these standard services is encouraged but voluntary. d) e) UIT has set up procurement standards that will constantly be updated to reflect the most current available energy efficient hardware. EPEAT (Electronic Product Environmental Assessment Tool) registered computer desktops, laptops, and monitors

Recommendations	Status	Comments
initiative for all laboratory (and "computer common") workstations, as a way to reduce power consumption from these workstations, beginning with the approximately 2,000 laboratory workstations managed by UIT; and g) Phase out desktop printers in favour of an environment of duplex and network printers only.		must meet an environmental performance standard for electronic products. We currently purchase "Gold-registered" which reduces waste and increases recyclability of waste. Gold-registered features 10 percent post- consumer recycled plastic in its chassis and small form factor comes in recyclable packaging. To help reduce energy costs, minimum procurement standards now include Energy Star 5.0-compliant desktops with 90% efficient power supply, Energy Smart Power Management settings, high efficiency processors and latest chip technology increase per watt performance. f) UIT-managed computer labs are power-managed so they are powered only when in use, or during application/software updates. g) The University's PRASE initiative (Process Re-engineering and Service Enhancement) is furthering this initiative. UIT does discourage use of a local desktop printer approach. Utilization of networked printers not only reduces energy costs, but also consumables, and the packaging of both the consumables and the actual printers. Greater savings will be realized upon wide deployment of the leased multi-function networked all-in-one units (that integrate all functions of printers, fax, copiers, and scanners).

Recommendations	Status	Comments
2009-1: Establish opportunities for broad-based discussion of this report, including opportunities for constructive feedback.		Ongoing
A. Administration and Organizational Structure		
2009-2: Develop a York University policy statement on sustainability.		Completed
2009-3:Include the Senior Manager, Environmental Design & Sustainability in the Sustainability Council membership		Completed
2009-4: Dedicate resources to the Sustainability Council to enable fulfillment of its objects		Ongoing. Two Sustainability Coordinators were hired with AIF funding. One position continues, with funding from the Office of the President.
2009-5: Establish a formal role for the Yorkw!se program in relation to the Sustainability Council.		Completed
2009-6: Establish a community of Campus Sustainability Ambassadors.		Completed. There are currently over 50 sustainability Ambassadors at York.
2009-7: Continue to develop and implement opportunities for student engagement in collaboration with the President's Sustainability Council Student Sub-Committee.		There are currently a number of opportunities for the York community to become engaged in sustainability, including the Sustainability Ambassadors initiative (with over 60 volunteers so far), a Green Office program, the Eco-Team (50+ members), Green Clubs initiative, and many outreach events. Additionally, during the past two years, two work/study Sustainability Assistants assisted with those efforts and maintained a high

Recommendations	Status	Comments
		visibility for York's sustainability efforts by tabling every Thursday during the academic year in the RED Zone in Vari Hall. The Sustainability Coordinator and Assistants also maintain a regular presence on social media through Twitter and Facebook. All of these efforts have been guided by a comprehensive communications plan. There were also over ten significant outreach events this year organized on behalf of the PSC.
2009-8: Undertake and support a Sustainability Assessment Project.		The University currently participates in 2 significant surveys: The UI GreenMetric World University Ranking, and the Canada's Greenest Employers survey. Work to complete the AASHE STARS survey will commence in the summer 2014 term.
2009-9: Engage a review of sustainability administration models across Canadian and international institutions of higher education, with a view to identifying the most suitable model for York.		The administrative working group supported the review of sustainability administration models from several universities across Canada and the United States. This research was incorporated into the business plan for a sustainability office.
B. Curriculum		
2009-10: Request that the Academic Policy, Planning and Research Committee (APPRC) and the Vice-President Academic and Provost make sustainability a major strategic feature in the White Paper and the new University Academic Plan.		Completed

Recommendations	Status	Comments
2009-11: Develop a greater focus on sustainability in the York curriculum.		Sustainability continues to be a strong feature of York's curricular offerings and the University offers an impressive array of programs (undergraduate, graduate and certificate) and individual courses that address many aspects of sustainability. Over the past year, several new programs have been brought forward to relevant curriculum committees for consideration and/or have been approved by Senate. The Faculty of Health's new BA and BSc in Global Health, approved by Senate this year, is an example of interdisciplinary program focused on the health of a global population and how the connections between health and environmental, political and economic issues
2009-12: Work with the relevant faculty members/offices to design and implement a survey about sustainability within the existing York curriculum.		Given the administrative challenges and unreliability of implementing a pan-University survey about sustainability within existing York curriculum, the Working Group with the support of a graduate student, adopted a different approach to gather information. With the co-operation of the Registrar's Office, an analysis of the all York course titles and course outlines was conducted. Over the 2013/2014 year, more than 570 York courses included sustainability as a core feature of course content. Sustainability-related courses were available in all Faculties both at the graduate and undergraduate levels.

Recommendations	Status	Comments
2009-13: Include sustainability in more courses and academic programs throughout the University.		The University continues to support existing curriculum planning processes (at Faculty and Senate levels) in the development of new courses and academic programs. The exercise undertaken to identify the number of sustainability-related York courses reveals that the University has an impressive range of curricular offerings. As direct result, plans are underway in conjunction with the Registrar's Office to facilitate ways that students, interested in taking sustainability-related courses within and outside of their program, may be able to do so more readily.
2009-14: Encourage and support the development of non-degree offerings in sustainability.		This year, the University hired its first Executive Director, Continuing and Professional Education to support the development of non-degree offerings throughout the University. The Vice Provost Academic will meet with the new Executive Director to discuss opportunities to develop courses and/or certificates related to sustainability.
2009-15: Provide students with more opportunities to do research and work on campus sustainability projects.		In 2013/2014, the University released its new Strategic Research Plan 2013-2018, which aims to build on York's research strengths and also aligns York's research goals with the University's sustainability and community engagement priorities. "Forging a Just and Sustainable World" is among one of the six themes of York's new Strategic Research Plan. The Plan also emphasizes a commitment to enhancing

Recommendations	Status	Comments
		opportunities for students to become involved and familiar with research. The undergraduate experience will be enhanced by the integration of academic research into the classroom/courses and more upper year students will be able to become involved in research projects and internship opportunities.
C. Social Justice and Human Rights		
2009-16: Enhance York's resource commitment to existing initiatives such as those identified in the Inventory of Community Engagement (Office of University Events and Community Relations)		Completed, but of an ongoing nature, as the Inventory evolved into what is now the work of the TD Community Engagement Centre. See also the update for #12, 2010.
2009-17: Improve access to York facilities such as the library system, buildings, and sports complexes and laboratories. In particular, a number of days each year should be designated as "community use days" for specified facilities (with streamlined approval process and waived or significantly reduced fees for facility use).		Completed, as the recommendation is the same as #8, 2012 (above). Work has begun insofar as a smart building management system is in development, but further progress reports should be in response to recommendation #8, 2012 (see above). The working group on space will continue to work on this in 2014-15.
2009-18: Assess and develop outreach initiatives to attract qualified applicants for part-time and full-time employment from communities-in-need surrounding York.		Completed. The following are a few initiatives specifically to achieve representation of the four designated groups: Women, Visible Minorities, Aboriginal Peoples, and Persons with Disabilities as part of York's commitment under the Federal Contractors Program.

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2009-19: Through the York Foundation encourage donor programs that enhance bursaries and awards for local residents.		Work has begun in the sense that these donor programs have been encouraged, but there has not been significant progress made in that regard, as far as the working group could discover. No additional progress in 2013-14
2009-20: Encourage deliberate outreach efforts with local secondary schools by each Faculty and department.		Completed
2009-21: Coordinate bridging and transitional programs and explore opportunities for ongoing budget support to these programs.		No further progress during the reporting period.
2009-22: Support and implement the policies of the updated York University Secondary Plan, specifically as they relate to housing, community services and facilities.	Amended	See 2013-6
2009-23: Support the ongoing work of the President's Advisory Committee on Human Rights and help bridge this work with York's sustainability initiatives.		**Progress:** Completed, but of an ongoing nature. Additionally, it should be noted that as the chair of the working group also sits on PACHR (as Director of the Centre for Human Rights) the lines of communication are especially reinforced. If that ceased to be the case, the approach taken for supporting PACHR would need to be revised.
D) Campus Operations and Development		
2009-24: Develop a York-specific green standard for the development and construction of all new buildings and		In 2013-2014 the Life Sciences Building was the most recent building at York to achieve LEED Silver certification; the new Engineering Building

Legend: Completed Ongoing Significant Progress Work has begun Not yet started

Recommendations	Status	Comments
building renovations		and Pan Am Stadium are progressing towards LEED Silver or Gold certification, and the new Student Centre, presently in the design stage, is anticipated to be LEED Gold. The City of Toronto has passed Green Standards that now require all major construction in the City to conform to heightened sustainable building requirements.
2009-25: Establish an institution-wide program that enhances "e-waste" recycling practices in all academic departments and administrative units, and locate drop boxes throughout the Keele and Glendon campuses to facilitate broader community participation.		CSBO continues to collect e-waste from loading docks, which is recycled by a contractor that is ISO 14001 certified. Individual pick-up can also be arranged for special circumstances by issuing a Service Request to CSBO. During the annual student residence move-out, e-waste is collected at the "Free Stuff" tables. UIT and IT departments recycle e-waste following bulk upgrades. Glendon campus also participates in this program. Also, all libraries now house a bin for battery and cell phone recycling—all loading docks feature a battery bin.
2009-26: Identify and implement policies, plans and incentives to substantially reduce the consumption of paper at York by adopting practices of double-sided printing on all multiple-paged documents and encouraging students to print and submit double sided papers and assignments.		Since 2010, there have been several initiatives which have been focused on employees reducing paper use through double-sided printing and use of electronic communication over printed documents. Paper consumption has certainly been reduced from the increase in use of electronic teaching and learning materials. CSBO Printing and Mailing Services have played an important role in advocating these types of behavioural changes in order to promote sustainability and reduce client costs. The Green Office program also promotes ways to reduce

Recommendations	Status	Comments
		paper use in the office.
2009-27: Implement a clear, comprehensive and coordinated program that is aimed at increasing the level of recycling and composting.		The ZeroWaste program was launched in June 2010 to build on York's long-standing recycling initiative, which had achieved a 58% waste diversion ratio since its inception in 1990. Currently the program is operating at a 66% diversion rate. ZeroWaste provides organic waste containers in all kitchenettes in buildings and has introduced communal "tri-bins" in offices so that individual staff and faculty empty their individual waste bins. Additionally, FreeStuff is an initiative among Housing Services, Residence Life and CSBO Waste Management. In April, FreeStuff tables are set up in each of the University's undergraduate residences. Vacating students were encouraged to share unwanted items prior to moving out of residence for the summer. At the end of the month, all remaining items were donated to the Oasis Clothing Bank. In its second year, the 2013 Free Stuff program was wildly popular with community members exchanging and donating seven times more goods than in 2012.
2009-28: Provide a larger selection of products made from 100% recycled materials in the University Bookstore.		The Bookstore continues to have a wide range of these products clearly identified throughout the store, and also recently began offering Step Forward Paper, made of wheat straw and FSC certified wood fibre.

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2009-29: Establish a program to reuse office furniture, when/where feasible, and if not, items should be offered by sale/donation to the York community, community charities, and organizations		CSBO continues wherever possible, to procure modular furniture to facilitate re-use to the extent possible. CSBO also has a desk/furniture recycling agreement in place with one of its suppliers, Calstone. The University policy on disposal of surplus assets specifies that surplus furniture is to be allocated to other departments to decrease waste and maximize the life cycle of the University asset prior to considering its disposal. Unwanted items may also be donated to a non-profit organization for re-use through arrangement with Procurement Services.
2009-30: Support (and if possible increase support for) organizations focused on traffic demand management, the promotion of transit use and other alternate modes of transportation, and like sustainable transportation initiatives.		CSBO Transportation Services continues to undertake transportation demand assessments; to liaise with municipal and regional public transit agencies in coordinating, adjusting and expanding public transit service to campus (now with over 2,500 bus trips daily to campus and the GO train service to communities north to Barrie); and, in conjunction with Smart Commute- North Toronto, Vaughan, to promote alternatives to single occupant motor vehicles. Additionally, there has been continuous improvement with the campus shuttle services, including the evening shuttle service to The Village (residential community south of the Keele campus), the shuttle service to the GO Train station east of the campus, and the inter-campus shuttle to Glendon. This year, Transportation acquired a new barrier free shuttle bus, which will be utilized primarily for Van Go. This past year, Zipcar has

Recommendations	Status	Comments
		increased the number of vehicles on campus to 16.
2009-31: Establish policies and practices to reduce emissions of greenhouse gases and other pollutants from vehicles, for example through establishment and enforcement of a “no idling” policy for all vehicles on York’s campuses.		CSBO continues to collaborate on awareness campaigns (including with the Idle Free York Club); and CSBO continues to work with transit agencies to reduce unnecessary idling of buses.
2009-32: Develop a York University policy or framework aimed at governing campus food service operations in a more coordinated fashion that enables and supports the implementation of sustainable practices at a much greater degree than is presently possible.		In 2012-2013 CSBO Food Services engaged a consultant to assist with the development of a Keele Campus Food Service Master Plan. The scope of work for the study included, among other things, an assessment of the food operations of each of the three food service jurisdictions and the impact each has on the other and the total campus market, as well as an assessment of, and recommendations for, campus food service policies and governance practices. The project was extended to permit additional community consultations. Recommendations will be presented to senior leadership for consideration during summer 2014.
2009-33: Develop a University food services policy that protects the investments made in campus food operations by restricting on-campus catering and food service provision to caterers and food service providers that are contracted, permitted or otherwise		A consultant was engaged by CSBO-Food Services to develop a Food Services Master Plan for the Keele Campus which is anticipated to lead to a clear framework for food service planning, coordination and delivery on campus. Substantial community consultations were conducted during 2013-2014 in support of this

Recommendations	Status	Comments
authorized by the University's Food Services office.		process. Results will be compiled for review by senior administration during summer 2014.
2009-34: Improve the University's marketing of the range of available food services on both campuses, for example through website improvements, and better signage.		Food Services is working with the York Federation of Students to develop a set of food standards and consistent signage to clearly identify certain food options for the community, including vegetarian, vegan and halal. This will be developed during summer 2014 with a view to implementing the program for the fall. Food Services has also begun using social media to more proactively inform community members about new offerings, specials, events and discounts.
2009-35: Expand and enhance the availability of sitting/common space for use by students (both indoors and outdoors) and improve access to microwaves, water-bottle refilling stations and sinks for those that bring food from home or want to refill water bottles.		Following a successful student referendum in Fall 2013, a second Student Centre has been approved and is in the design stage. The new centre will provide much needed social, study, club and prayer space on campus. The Office of VPFA and CSBO have worked collaboratively to identify a number of spaces in common areas that can be furnished with seating and electrical plug-in, in order to provide more seats for student social and study use. As mentioned earlier, water bottle refill stations have been installed on the University's two campuses and a building standard established to include water refill stations in all new construction and major renovations.
2009-36: Compile and analyze studies of the natural features of the University's two		EAB program to continue over multiyear schedule of injections; tree inventories for both

Recommendations	Status	Comments
campuses, establish a York inventory of natural features and develop a comprehensive plan for protecting and enhancing York's endowment of natural features		campuses are now complete but require upgrades due to the December 2013 ice storm which resulted in significant damage.
2009-37: Continue to develop ecologically progressive plans and procedures to guide campus landscaping and grounds management practices.		The University curtailed pesticide use long before the City by-law was established. As a long-standing member of Landscape Ontario, the University ascribes to best practices in its landscaping and grounds management.
2009-38: Integrate relevant research and studies into grounds management and other areas of campus operations by establishing formal opportunities with straightforward processes for the engagement of students (for example, through course-related research projects, internships, paid work, or volunteer opportunities).		CSBO and IRIS have hired students, created Graduate Assistantships and internships, and taken on volunteers. This arrangement is anticipated to continue. Studies in recent years have included food, student engagement, accessibility, transportation, electric vehicles, and tree inventories.
2009-39: Continue to position the University to manage its carbon footprint more effectively through the implementation of the energy management program and other initiatives; and expand efforts to engage the community in prudent energy conservation practices in order to sustain, and possibly improve, the targeted reduction in energy consumption and emissions.		With the five-year investment in the Energy Management Program concluding, efforts will now focus on sustaining reductions in energy consumption. This will place greater emphasis on community engagement and behaviour change. On the operations side, process improvements will be pursued to optimize use of spaces in buildings and reduce energy consumption at times spaces are not in use.

Appendix B: PSC Membership 2013-2014

PSC Membership List 2013-2014

Nicole Arsenault
Manager, Transportation & Student Services

Noel Badiou
Director, Centre for Human Rights

Anthony Barbisan
Director, YU-Card & Food Services

Dawn Bazely
Director, Institute for Research and Innovation in Sustainability and Professor, Department of Biology

Christopher Bentley
Student Representative

Idil Boran
Associate Professor, Department of Philosophy

Gary Brewer
Vice-President, Finance & Administration

Ashana Bryan
Student Representative

Richard Francki
AVP - Campus Services and Business Operations

Bob Gagne
Chief Information Officer

Ian Garrett
Assistant Professor, Department of Theatre

Jinthana Haritaworn
Dean's Representative, Faculty of Environmental Studies

Darnel Harris
Student Representative

Michaela Hynie
Associate Director, York Institute for Health Research and Associate Professor, Department of Psychology

Ilan Kapoor (Chair)
Professor, Faculty of Environmental Studies

Dimitra Markatas
Committee Secretary

Ijade Maxwell Rodrigues
Chief of Staff, Office of the President

Gayle McFadden
York Federation of Students Representative

Ross McMillan
Senior Advisor, Policy, Assessment and Aboriginal Affairs

Janet Morrison
Vice-President Students

Yvette Munro
Academic Programs & Planning Officer

Pamela Persaud
Manager, Temporary Use of University Space

Alice Pitt
Vice-Provost Academic

Andrew Plunkett
Sustainability Coordinator, Office of the President

Helen Psathas
Senior Manager, Environmental Design and Sustainability

Lorna Schwartzentruber
Manager, TD Community Engagement Centre

Anne Stebbins
Graduate Students Association Representative

Noel Sturgeon
Dean, Faculty of Environmental Studies

Courtny Vaz
Student Representative

Chris Wong
Director, Transportation and Master Planning, YUDC

Carol Yorkden-Chamberlain
Glendon College

Douglas Young
Associate Professor, Department of Social Science

Appendix C: President's Sustainability Council Terms of Reference

President's Sustainability Council Terms of Reference

York University is committed to sustainability and has a strong history of sustainability-related activity in research, education and application. As a signatory of the Talloires Declaration, York has a responsibility to provide leadership and dedication to sustainability on its campuses and to the greater community. The President's Sustainability Council (PSC) has been established to provide an advisory and coordinating function in an effort to advance sustainability on our campuses.

Terms of Reference

Mandate: The PSC is an advisory body to the President with responsibility for providing input and recommendations on how to advance York University's sustainability initiatives, projects, and practices and to provide oversight of the required actions from approved recommendations. It is also a mechanism through which to support and enable York students, faculty and staff to participate meaningfully in the planning and implementation of York University's sustainability policies, initiatives, projects and practices. It will serve to foster the integration of knowledge and issues about sustainability into research, education and application.

The PSC operates in an atmosphere of collegial co-operation, where all participants respect each other's participation through sharing of expertise, information and strategies.

Specifically, the objectives of the PSC are:

1. Develop a framework for understanding the different dimensions of sustainability as relevant to the University's campuses;
2. Conduct assessments of sustainability to establish common understandings and benchmarks in the context of the 2001 Report of the President's Task Force on Sustainability and subsequent PSC Annual Reports;
3. Provide a forum in which members may discuss sustainability challenges and opportunities to foster pan-university approaches to sustainability initiatives;
4. Identify and review current university sustainability practices and initiatives, and ascertain opportunities for synergies and engagement;
5. Through a planning/prioritization process, identify and examine specific high priority issues and develop recommendations for the President to consider implementing;
6. Develop communication tools that promote and enhance awareness of sustainability activities and initiatives, including the work of the Council, throughout the entire York Community; and
7. In support of the work of the PSC, working groups will be established to work on an identified theme or topic. The working groups shall be chaired by members of the PSC and tasked with (i) developing new sustainability-related recommendations; and (ii) monitoring progress towards past Annual Report recommendations. Working Group chairs will ensure that key Working Group activities and recommendations are recorded and reported to the PSC. Membership of the Working Groups will be open to encourage broad representation and input from across the University.

8. In support of the work of the PSC, a student sub-committee will be established to act as a student advisory body to the PSC to advance student's sustainability goals at York University. The student sub-committee (PSCSS) will have four of its members (Chair, 2 Student Representatives and the Secretary) sit as voting members on the PSC.
9. Produce an Annual Report on sustainability at York relative to the Council's Activities.

Membership

The PSC Chair will be appointed by the President for a two-year term, with an optional one-year extension.

Membership of the PSC will be broad-based, ensuring representation from students, staff and faculty, and from key sustainability-related research and administrative offices, including:

Assistant Vice-President - Campus Services and Business Operations

- Chief Information Officer
- Chief of Staff, Office of the President
- Dean, Faculty of Environmental Studies
- Director, Centre for Human Rights
- Director, Institute for Research and Innovation in Sustainability
- Director, Transportation and Master Planning, York University Development Corporation
- Director, YU-Card & Food Services
- Manager, TD Community Engagement Centre
- Manager, Transportation & Student Services

- Senior Manager, Environmental Design & Sustainability
- Staff Representative from Glendon College
- Staff Representative from the Division of the Provost
- Staff Representative from the Division of the Vice-Provost Students
- Staff Representative, Finance & Administration
- Sustainability Coordinator, Office of the President
- Vice-President, Finance & Administration
- Vice-Provost Academic
- Vice-Provost Students
- 5 faculty members
- 6 student representatives, including:
    - 1 representative from the Graduate Students Association
    - 1 representative from the York Federation of Students
    - 4 representatives from the President's Sustainability Council Student Subcommittee

The 6 Student representatives will be elected by student groups (4 from the PSCSS, 1 from the York Federation of Students, and 1 from the Graduate Student Association). Staff and Faculty members of the PSC will be appointed by the President, in consultation with the PSC Chair.

PSC Decision-Making: PSC Recommendations to the President will be reached, to the extent possible, by consensus, while striving to reflect the diversity of views of the PSC membership.

Meetings

The Sustainability Council will meet at least quarterly throughout the year, with Working Groups establishing their own meeting schedule and meeting at least twice a term during the Fall and Winter.

Appendix D: 2014 President's Sustainability Leadership Award Recipients

The inaugural President's Sustainability Leadership Awards recognized students, faculty and staff who are contributing to making the University a leader in sustainability among postsecondary institutions. The awards are intended to raise awareness of the important work that sustainability champions are doing at York, to provide much-deserved recognition of their work, and to encourage others to get involved in sustainability initiatives on our campuses. Up to five awards will be given out each year.

2014 President's Sustainability Leadership Award recipients:

- Brad Cochrane, Director, Energy Management, Campus Services & Business Operations (CSBO)
- Tim Haagsma, Manager, Grounds, CSBO
- Helen Psathas, Senior Manager, Environmental Design and Sustainability, CSBO
- Osgoode Sustainability Committee
- Planning and Renovations Unit, CSBO

Environmental Sustainability Report 2013-2014

Department of Campus Services and Business Operations

Environmental Sustainability Report

In 2002, York University made a public commitment to sustainability and became an official signatory of the Talloires Declaration, a ten-point action plan for incorporating sustainability and environmental literacy in teaching, research, operations and outreach at colleges and universities. On April 25, 2011, the York University Board of Governors approved a Policy on Sustainability, further committing all York students, faculty and staff members to act in a manner that promotes and supports the objectives of environmental sustainability. The Office of the Vice-President Finance and Administration, through the Department of Campus Service and Business Operations (CSBO), is responsible for the creation and management of the built environment. Under the direction of VPFA, CSBO is responsible for supporting the University's Mission by managing the physical resources, security and ancillary services of the institution in a fiscally responsible manner. CSBO sets administrative and operational protocols, standards, and accountability measures that drive the development, operation, and effective delivery of services for academic buildings and related infrastructure. The aim is to create and sustain an

accessible, safe and healthy campus environment for all community members.

This Environmental Sustainability Report provides an overview of CSBO's operational activities, initiatives and strategies relating to sustainability, and includes associated performance indicators.

Sustainable Approaches to Campus Development and Management

Creating a sustainable future for facilities, services and operations contributes to the creation of a sustainable campus and community for all students, faculty and staff, both current and future. CSBO has adopted a number of standardized procedures and practices aimed at effectively reducing York's ecological footprint. CSBO staff are required to continuously explore opportunities for greater efficiencies, while managing projects and services in a way that minimizes harm to the environment. Management and staff are required to stay current in best practices with respect to sustainability within each operating unit. The role of the Environmental Design and Sustainability Unit within CSBO is to bring focus to sustainable approaches within the department, as well as to coordinate with campus wide sustainability initiatives, including those from the Institute for Research and Innovation in Sustainability (IRIS), and the President's Sustainability Council. This work includes

initiatives that promote sustainability awareness, community consultation, campus stewardship and positive behavior change to improve the overall campus community.

Central Utility Plant and the Energy Management Program

CSBO provides heating, cooling and power to all buildings on campus. In order to accomplish this, high pressure steam is generated for heating and chilled water for cooling and these are delivered by way of underground service tunnels to mechanical rooms in each building. From there, heating and cooling is distributed to the various heating, ventilating, and air conditioning (HVAC) units within each building. Power is also generated and distributed through a 10 megawatt co-generation plant and associated high voltage electrical distribution system on campus. The concept behind co-generation is to increase resource efficiency and lower operating costs. Co-generation uses a single fuel source natural gas to produce electricity and heat. Co-generation is more efficient, less expensive, and more environmentally responsible than purchasing electricity and heat separately because it makes use of the “waste” heat that would normally be expelled in the process. In York’s case, for every 1 kilowatt of electricity produced, approximately 1.6 kilowatts of heat is generated. York’s co-generation plant has two gas turbines. Each turbine turns a generator that produces

approximately 5,000 Kilowatts of electricity at 13.8 kilovolts. The plant produces approximately 60% of the Keele campus' electricity requirements. The remaining 40% is purchased. The heat recovered from the co-generation plant is used to heat campus buildings during winter, warm domestic hot water, and to heat the swimming pool at the Tait McKenzie Centre. As well, it produces cold water, via an absorption chiller, to cool campus buildings in the summer (also known as tri-generation).

Work has continued this year on the most significant of CSBO's sustainability initiatives -- the implementation of the $40 million Energy Management Program (EMP), which has included a comprehensive overhaul of the University's energy infrastructure as well as audits, retrofits and upgrades to building fixtures and systems. For the past several years, MCW Custom Energy Solutions, a Toronto based solutions firm, has worked with CSBO on implementing the initiative. The prime objectives of this program have been to decrease the University's energy consumption by 25%, as well as to improve teaching, learning and working environments and to advance the University's broader environmental sustainability goals. Results have been very positive as (weather normalized) savings have been confirmed at over 25% relative to the University's baseline building footprint in 2006, when the program commenced. This reduction represents sufficient energy to supply more than 4,500 homes with electricity for one year.

Additionally, CSBO has pursued and received approximately $ 3.3 million in incentives from programs offered by York's several energy partners. The reductions in energy consumption from renewing building systems, installing better performing windows and heat reflective panels and by adopting energy conservation practices (e.g., shutting down or reducing systems when classrooms/buildings are not in use) there has been an immediate impact in lowering campus energy needs. Electricity conservation and demand management incentive programs have been recently extended by the Ontario Power Authority (OPA) to the end of 2020. All incentive grants from York's several energy partner programs have been reinvested into more energy related improvements.

During the past year, work progressed on the Keele campus, including additional interior lighting retrofits, upgrades to HVAC systems, as well as to the chiller and compressor, and improvements to the central utility plant. Water line leak testing was completed to ensure that buried infrastructure was intact with no leaks. Water conservation was addressed with upgrades focused on office and staff areas. This included installation of faucet aerators, low flow toilettes and urinal tank controls in Glendon academic buildings.

In addition to upgrades, retrofits and better controls, work continued on reinforcing the need for conservation. Engagement

activities with York community members continued this year. Messaging focuses on awareness that even minor adjustment to behavior has a significant effect on resource use and ecological impact to the community.

Infrastructure, New Facilities and Renovations

CSBO has adopted a sustainable building strategy that considers design efficiency, broader use of day lighting, water efficiency, energy conservation and performance, reduction in emissions, materials and resources, green construction practices, indoor environmental quality and site re-naturalization. York's early dedication to sustainable building is evidenced through past achievements and several building design awards and distinctions. This approach continues to be applied to all new construction.

CSBO's Planning and Renovations Unit gives consideration to the reuse/recycling of existing spaces and materials in all projects. In the case of new construction, the use of environmentally appropriate sourced materials and supplies is the standard. Design and development guidelines now incorporate a statement of commitment to sustainable solutions and require due consideration to energy efficient lighting, retrofits, upgrades to HVAC, efficient water usage, use of materials free of volatile organic compounds (VOC), minimized

inflexible interiors (use of partitions and open concept for office designs, where possible), use of light sensors, exterior sun shades and canopies. Particular attention is paid to the standardization of construction materials with the aim of improved operational efficiency over the life of the renovated area. CSBO is also testing low VOC roofing materials and their viability from an operational, economic and environmental standpoint.

CSBO procures modular furniture to facilitate re-use to the greatest extent possible. University surplus furniture is allocated to other departments to decrease waste and maximize the life cycle of University assets prior to considering disposal, which is undertaken in accordance with the University policy on the disposal of surplus assets. Through arrangements with Procurement Services, unwanted items may also be donated to non-profit organizations for re-use.

Major renovations, infrastructure and capital works this year focused on the completion of projects which demonstrate a sustainable approach in planning, design and execution →

Building Name	Scope	Completed Date	User Air and Temp. Controls	Natural Ventilation used	Energy Efficient Light Fixtures	Daylighting: Skylight Installation	Improving light quality	Workspace Orientation	Attention to thermal loads on west facade	Occupancy Sensors	Open Space Concept
Calumet College	2rd Fl. Renovations	2013 Dec			✓		✓	✓			
Farquharson											
RM 106	Laboratory Retrofit	2013 Aug	✓								
RM 114(A)	Laboratory Retrofit	2013 Nov	✓								
RM 129	Laboratory Retrofit	2013 Nov	✓								
RM 320	Laboratory Retrofit	2014 Jan	✓								
RM 324	Laboratory Retrofit	2013 Nov	✓								
Vivaria	Vivaria Phase 2 Health	2013 Aug	✓								
Tait McKenzie	Washroom Upgrade	TBA									
Ross Building	3rd Fl. Writing Renov.	2013 Aug				✓				✓	✓
Campus Washrooms											
Founders	Washroom Upgrade	TBA			✓						
Ross Bldg.	Washroom Upgrade	TBA			✓						
McLaughlin	Washroom Upgrade	TBA			✓						

Building Name	Scope	Completed Date	Sustainable plumbing fixtures	Dual Flush Systems	Sensors on toilets, air dryers, faucets	Green Materials	Recycled Materials used	Salvaging/reusing furniture, etc.	Sustainable finishes (Low VOC)	Resilient Flooring finishes
Calumet College	2rd Fl. Renovations	2013 Dec	✓		✓			✓		
Farquharson										
RM 106	Laboratory Retrofit	2013 Aug							✓	
RM 114(A)	Laboratory Retrofit	2013 Nov							✓	
RM 129	Laboratory Retrofit	2013 Nov							✓	
RM 320	Laboratory Retrofit	2014 Jan							✓	
RM 324	Laboratory Retrofit	2013 Nov							✓	
Vivaria	Vivaria Phase 2 Health	2013 Aug				✓		✓	✓	
Tait McKenzie	Washroom Upgrade	TBA	✓	✓	✓				✓	
Ross Building	3rd Fl. Writing Renov.	2013 Aug						✓	✓	✓
Campus Washrooms										
Founders	Washroom Upgrade	TBA	✓	✓	✓					
Ross Bldg.	Washroom Upgrade	TBA	✓	✓	✓					
McLaughlin	Washroom Upgrade	TBA	✓	✓	✓					

Toronto York Spadina Subway Extension (TYSSE)

The construction of the subway extension is being coordinated by the Toronto Transit Commission (TTC).CSBO has taken an active role, along with York project leads, and the York University Development Corporation (YUDC) to ensure that the design of the York University Station and the Black Creek Pioneer Village Station are mindful of the objectives of sustainable campus development and operation. The expanded transit network will provide an expanded and fully accessible mode of transportation to and from the Keele Campus and the current continuous row of transit buses within the Common will be moved to the north of the campus, freeing up an important green space for the community. Both stations are being built to the City of Toronto Green Building Standards. During 2013-2014, significant progress was made by the tunnel boring machines along the line of the subway extension and excavation for the subway stations. Future work will focus on the completion of the station buildings, along with the detailed landscape designs for public outdoor areas associated with the stations to ensure that the spaces compliment York's plans and CSBO Grounds and Maintenance management practices.

Pan-Parapan American Games Athletics Stadium

The new Pan Am Track and Field Stadium is being coordinated by Infrastructure Ontario, in consultation with Toronto 2015 (the Pan-Parapan American Games organizing committee) and York University. The stadium is targeted to be certified LEED Silver. Consisting of a building structure and field of play, the facility will serve as a link and gateway into the centre of the Keele campus from the future Pioneer Village Subway Station. In the "legacy" condition (to be owned and operated by the University), the stadium will accommodate 3,500 seats with 8,000 sq. m. of functional space, including change rooms and athletic therapy rooms, ticketing, coaches' offices, concession stands and multi-purpose lounges. The stadium will have a world class International Association of Athletes Federation (IAAF) certified track (one of three in North America) and will serve as a feature venue for the 2015 Pan-Parapan American games where 42 nations will compete. The stadium is designed to minimize the environmental impact on the surrounding site, as it directly abuts the historic Boyer Woodlot and is very close to the York University Observatory. Efforts have focused on the protection of the woodlot during construction and on the restoration plans for the buffer lands between the woodlot and track. The stadium will revert to York University for use, following the completion of the games.

Lassonde School of Engineering Building

To be completed August 2015, this 15,750 sq. m. building will accommodate studies in the disciplines of electrical, mechanical and civil engineering. It is being constructed on the Library Parking Lot just northeast of and overlooking the Campus Arboretum and Stong Pond, an open green space and storm water management facility created by the University. The site is slightly elevated, offering future occupants a view of the Black Creek watershed and adjacent lands. The building is being designed with the most sustainable engineering principles and practices and is targeted as a LEED Gold certified facility.

New Student Centre Building

During the fall and winter terms, discussions with representatives of the Board of Directors of the York University Student Centre focused on the selection of a site for a second Student Centre building. The new facility, likely 13,500 sq. m. in area, is required to better serve the expansive student community and to more adequately house student clubs and organizations. A campus site is being examined in a central, highly visible and easy to access area. The proponents' aspiration is to deliver the most sustainable student centre in Canada, including efficient energy, photovoltaic elements and a green roof. An

overwhelming vote of support was secured for this new facility in a student referendum in the fall of 2013.

Transportation

Transportation Services encourages commuting to the University through alternatives to the single occupant motor vehicle and supports the use of public transit, carpool, biking, and walking. The goal has been to reduce the demand for parking and increase awareness of alternative sustainable methods of transportation. The commuter modal split has been dramatically altered in the past 10 years from the use of predominantly single occupant vehicles to more sustainable modes of travel. Currently, there are approximately 2,666 (see Note 1 below) daily bus trips at the Keele campus, servicing the needs of students, faculty, staff and visitors, making it one of the largest transit hubs in the country. Over 80% (see Note 2 below) of commuters travel to York on a daily basis using sustainable means of travel.

Viable alternatives continue to be promoted and expanded with the collaboration of Smart Commute, North Toronto Vaughan. These have included the expansion of mass transit options offered by Brampton Transit, GO Transit (buses and GO Train service), and York Region Transit/Viva buses. Key initiatives include the development of a carpool program and designated

Notes:

1. Total includes all York University Shuttles, TTC, GO Transit, YRT, Viva and Brampton Zum trips in and out of the Common; data is provided by each transit agency and York Transportation Services.
2. Smart Commute, North Toronto 2012 Baseline Commuter Survey for York University.

carpool parking spaces, together with an expanding car sharing program with Zipcar, continuous improvements to campus shuttle services including an increase in service on the Glendon-Keele Shuttle, an increase in evening shuttle service to The Village (residential community south of the Keele campus), the acquisition of a new shuttle bus for VanGO to improve service to community members with physical disabilities, and the expansion of existing cyclist infrastructure.

The arrival of the Toronto-York Spadina Subway extension in 2016 will improve mass transit to and from the campus, re-distribute both TTC and regional buses to several nodes along the subway route, and will reduce significantly the amount of bus traffic on the University's Keele campus. The extended subway line will have six new stations and will be the first to cross regional boundaries into York Region and connect to existing public transit in the area.

Grounds Improvement and Management

The principle of sustainability in Grounds operations has been a driving force in the creation of all new landscape designs. Sustainable practices include the use of low maintenance shrubs, drought resistant and native plants, the increase of naturalized open space areas, automatic irrigation controls, the use of mulch in planted areas for water retention and weed control, and the use of porous hard surface materials such as interlock pavers (which are reusable, offer better durability than asphalt/concrete and improve water infiltration). Since 2000 Grounds operations has significantly curtailed the use of pesticides. Organic fertilizer is the fertilizer of choice for the majority of applications. CSBO continues to provide ongoing support to faculty and student inspired improvements to the site, including the Maloca Community Gardens, the annual Arbor Day Tree Planting, and the Faculty of Environmental Studies garden. Work continues at Glendon Campus with a focus on restoration of the Glendon Forest, river bank and trails, in addition to the care of the upper campus grounds, which features the unique array of trees and plants, including the historic rose garden.

The presence of the Emerald Ash Borer was identified at the Keele campus and, as a result, a program was initiated to assess and rate all Ash trees on campus. The inventory and tree condition ratings were completed in Spring 2013. The aim

was to identify as many trees as possible that were candidates for a multi-year program of injections aimed at eradicating the infestation. This program is ongoing and will continue for a number of years. The next part of the tree inventory will be completed in the summer of 2014 and will give rise to a full inventory of all trees outside of the woodlots and forest areas; the aim is to update and complete the tree inventory data and transfer it to a digitized/GPS system which will greatly assist in management of the green canopy.

Waste Reduction, Recycling and Custodial Services

In 1990, York University adopted a goal of achieving a 50% waste reduction by the year 2000. To meet this goal, a comprehensive, multi-faceted waste management and diversion program was formalized in the mid-1990s. The program experienced early success and, in response, a more ambitious goal was set to reach a 65% solid waste recycling ratio by the year 2013. In June 2010, the University launched its ZeroWaste program to build on existing waste diversion, promote more awareness of unnecessary waste, and to introduce the expanded program of organic waste collection. A key component of the program was the installation of “tri-bin” containers in common areas and kitchenette organics collection units. These initiatives promote individual responsibility for waste

and recycle management and have helped achieve a current diversion rate of 66%.

Management of tobacco waste continues to be problematic. Community members need to properly “bin their butts” which will reduce tobacco waste on campus walkways, gardens, and other common spaces. Toxic materials from the cigarette filters leach into soil and ground water.

Housing Services, Residence Life and Waste Management have collaborated to create a “FreeStuff” initiative. At the end of the academic year, when resident students are moving out , “FreeStuff” tables are set up in each of the University’s undergraduate residences and students are encouraged to share unwanted items prior to moving out of residence for the summer.

Custodial Services introduced a University wide “Green Cleaning” program, which was piloted during 2009 and has now become the benchmark for institutional cleaning. The first phase of the program took place within the Kaneff Tower as a LEED component. The program expanded to all buildings at both campuses in the summer of 2010. The major elements of the program include: certified green cleaning product usage and dispensing; communal waste receptacles; hand dryers in high use areas; entrance matting; HEPA-filter equipment; and microfiber cloths and mops. HEPA (high efficiency particulate

air) are high-efficiency filters that can filter air particulates up to 99.97%. -efficiency filters that can filter air particulates up to 99.97%.

Storm Water Management

The University continues to practice effective storm water management in conjunction with campus improvements. The objective is to manage storm water on site to the extent possible and continuous improvements are made with each major redeveloped area. The storm water management system of the Keele campus, which was constructed in several phases since the 1960's, was improved to meet the current City of Toronto requirements of the City's Wet Weather Flow Management (WWFM) Guidelines by constructing the Tennis Canada Pond in 2004 and improving the Stong Pond in 2007.

The City of Toronto Secondary Plan for York University's Keele campus, adopted in December 2009, places key importance on storm water management and incorporates provisions requiring predetermined site wide and site specific storm water management plans prior to any new development. For more recent developments, York University has also implemented storm water management techniques such as vegetated roofs, rainwater harvesting for irrigation or toilet flushing, permeable pavement, grass swales, bio-swales, surface storage,

underground storage in large diameter pipes or tanks, dry ponds, catch basins with sumps and traps, and oil/grit separator units.

To further improve the storm water runoff from the Campus to the local creeks, York regularly inspects and cleans the storm water management systems, including yearly street sweeping and catch basin cleaning. CSBO also implements a tree/shrub planting program to increase the re-naturalization of key areas of the Keele Campus.

A study of the sediment in Stong Pond some years ago revealed that the only contaminant of significance was salt from campus roads, paths and parking lots where it had been used to aid snow and ice clearing. To address this, and in order to help reduce the amount of salt used, sander units have since been outfitted with a “pre-wetting” application system. The system applies a soluble ice melting solution to dry sand/salt which is applied to roadways. The solution activates the melting process and keeps the sand/salt particles in place on a road area. In this way, less sand/salt product is required, contamination of runoff is reduced, safety for drivers and pedestrians is enhanced and fewer resources are spent keeping roads, paths and parking lots clear of ice and snow.

Bookstores, Printing and Mailing Services

York University's Printing Services operation first received printer certification in 2008 from the Forest Stewardship Council (FSC) Canada, which is an international certification and labeling system that guarantees that forest products purchased come from responsibly managed forests and verified recycled sources. FSC forests are certified against a strict set of environmental and social standards. Fibre from certified forests is tracked to the consumer through a "chain of custody" certification system. The certification was renewed in 2013-2014 after an external audit was completed. Printing Services has played an important role in advocating behavioural changes in order to promote sustainability and reduce client costs by double-sided printing and encouraging the use of electronic communication over printed documents.

York has been a North American leader in the publication of course kits as a more efficient alternative to high volume book orders. Since 2008, the production of course kits has been carbon neutral as York contributes approximately 2 cents per kit to buy local renewable energy and support for other projects, such as tree planting. Printing Services offers the carbon neutral program to any printing jobs, on request.

FSC certification, carbon offsetting for course kits and new, more energy efficient machinery have made York's Printing Services a leader in sustainability on campus. This is particularly significant because, as an industry, printing is historically high in resource use and emissions. The customer service staff at both Printing and Mailing Services offer advice to the community aimed at minimizing waste and making appropriate choices when developing projects requiring paper for programs or mailings.

The Bookstore offers a line of 'green' products which include products made from 100% recycled materials and BPA (Bisphenol A) free water bottles, which are popular with customers. The Bookstore has continued to charge $.15 cents for plastic bags, even though the City of Toronto withdrew its requirement to do so. Proceeds from this initiative support York University's Annual Arbor Day. The Bookstore at both campuses produces and sells its own 99 cent reusable, woven fabric shopping bags, promotes the use of reusable bags and discourages the use of plastic bags.

The Bookstore develops alternatives, including e-books, used textbooks, and both an on- line and in- store book rental program in order to mitigate the high cost of course books and materials.

Mailing Services continues to work towards the conservation of energy output and to help reduce the ecological footprint of the

University. While the volume of mail coming into and going out of the University continues its downward trend, the number of buildings and delivery dynamics of the ever changing campus continues to be a challenge. To address this and in order to continue to provide an accurate, efficient and economical service, Mailing Services has attempted to do more deliveries by foot routes, lessening the use of vehicles.

Campus Safety and Security

Safety is an important aspect of a sustainable environment. York University is committed to providing a safe and welcoming environment for all students, faculty, staff and visitors. This goal is incorporated into the University's planning, design and operations strategies. Security Services is comprised of dedicated personnel working within a community based model of service that is one which operates in partnership with all stakeholders in order to provide inclusive solutions to a broad range of security matters. York University Security personnel receive specialized training including de-escalation, crisis intervention the use of personal protective equipment and defensive tactics. They are recertified on a yearly basis. York University Security personnel are authorized to make arrests where necessary and abide by relevant legislation and York University protocols. Additionally security bulletins that include

the email delivery of bulletins to students, faculty and staff are issued with a new emergency “push notification” feature on the York Mobile Safety App introduced this past year.

With respect to sustainability, the security Pro Active Cycling Team (PACT) program continues with specially trained security officials receiving advanced cycling training, serving both the Keele and Glendon campuses. This program continues to reduce vehicle fuel costs and emissions assisting in reducing York University’s ecological footprint.

Security Services promotes Crime Prevention through Environmental Design (CPTED) to make it more difficult and less rewarding for offenders to commit crime. CPTED is a multi-disciplinary approach to deterring criminal behavior through prudent environmental design. CPTED strategies rely upon the ability to influence offender decisions that precede criminal acts by giving consideration to how the physical environment is designed, created, improved and/or maintained. For example, in landscaped areas, consideration is given to appropriate levels of lighting and sightlines that are clearly within view of adjacent public areas. CPTED reviews are undertaken for all new capital projects and renovations. CSBO manages the University’s investment of $500,000 in outdoor lighting upgrades which includes an additional $100,000 being provided this past year. The outdoor lighting program includes an email notification

system to report burned out lights around campus (lightout@york.ca).

The University has designed a website “Safer Together” as a one-stop access to all of the University’s safety resources including a York University mobile safety application “The York U Safety App”, designed for York community members to provide quick access to all campus security resources, including the York Security Services, the Toronto Police and other key services such as goSAFE and the Campus Shuttles.

The goSAFE safe evening walking escort program has been expanded to provide improved services to meet the demands of community members. Additionally, Transportation Services has expanded shuttle service with three routes into The Village, a residential community south of the Keele campus.

Food Services

CSBO’s Food Services has been improving sustainable practices within its eateries. All of CSBO’s food service contracts (eateries and vending machines) include a phase-out of the sale of bottled water. The installation of water bottle refill stations will be considered when renovating food outlets. Additionally, Food Services’ caterers provide options for water dispensers or pitchers for meetings and events.

Food Services' locations operated by Aramark have implemented a number of sustainable initiatives and practices:

Local & Sustainable Purchases

- 28% of purchases local (Ontario), Sustainable (Seafood) or Fair (Fair Trade, Rain Forest Alliance)
- 26% of produce grown locally
- Coffe**eco**mpany – 100% Fair Trade certified coffees
- 16% of chocolate purchases Fair Trade certified
- York's own Las Nubes coffee served at all non-franchised locations as well as Rain Forest Alliance Certified Teas which accounted for 42% of tea purchases
- All shell eggs are cage-free
- Focus on Vegetarian / Vegan options with the launch of "Vegan Mondays"

Greener Operations

- Eco-Takeout reusable container program to reduce disposable packaging
- Support for York University's Zero Waste program
- Lug a Mug Program $0.15 discount

Education & Engagement

- Local & sustainable food themed events at all Aramark locations, in particular Stong and Winters Residences
- Monthly features including farmers produce and ingredients (e.g. Features in September—apples from Ontario farmers)

Food Services is developing a "Food Services Master Plan" for the Keele campus. It is expected that this framework will provide a clear direction for service planning, coordination and delivery on campus, taking York's sustainability goals into consideration.

Food Services partnered with Regenesis@York, the President's Sustainability Council Student Sub-Committee and other stakeholders to pilot a Farmer's Market at the Keele campus in 2013-2014. The Farmer's Market will return in Fall 2014.

Stewardship

Land Use Policy

York collaborated with the City of Toronto Planning Department on a Secondary Plan for the Keele campus, which was approved by City Council in 2009. An overarching objective of the plan is to create a multifaceted approach to sustainability. Detailed land

use policy pertaining to Natural Environment, Environmental Stewardship and Sustainable Design guides the redevelopment of both academic and non-academic uses on the basis of the following principles:Growth to be compact and incorporated as in-fill, where possible;

- Growth to be compact and incorporated as in-fill, where possible;
- Maintenance and strengthening of the campus' heritage features, including lands adjacent to the Black Creek, all natural woodlots and open spaces;
- Growth to give consideration to the expansion of regional rapid transit networks as the key means of further improving modal split of commuters to campus;
- Campus-wide storm water management systems to detain and improve run-off before discharging into the adjacent watercourse.

During the past year, detailed work continued on the completion of a Master Plan for the academic areas of the Keele Campus. Led by YUDC, the Master Plan satisfies the requirement of the York University Secondary Plan for a core area precinct plan. The Master Plan is framed under seven overarching 'pillars':

1. Enhance safety on campus
2. Enhance student life

3. Accommodate growth
4. Respond to momentum for change
5. Become a leader in sustainability
6. Re-interpret the campus setting
7. Enhance community links.

Strategic direction is provided through three lenses for physical features that are considered important for a coordinated program of campus building:

1. Pedestrians first
2. Greening York University
3. Infilling the York University campus

Maintaining Campus Lands and Services

CSBO strives to effectively provide consistent, predictable, integrated services to support the core academic and research mission of the University, all while enhancing the quality of life for University members and visitors to the site. Two of the guiding principles in this work have been:

- The integration of sustainable principles in decision making, and
- The provision of accountability frameworks and reporting practices, in service of creating an environment which promotes stewardship.

Attention has been focused on the creation of standards and on reporting mechanisms that accurately reflect the improved state of campus conditions. These have encompassed strategies to improve energy usage, on-site storm water management, expansion of waste streams to include organics, extensive recycling programs, green building, and various green initiatives within all ancillary operations, including housing, food services, parking, printing and the bookstore.

Rationalizing desirable and sustainable levels of service and related standards is critical to the long-term stewardship of the site. This continues to be challenging as resources have been tested by restricted budgets, while demand for service is up because of new development.

Public Engagement

An important companion in all sustainability related initiatives is communication to the community. In the past, resources have limited for outreach to staff, faculty and student community members, but expanded student internships, greater use of graduate assistants, and more active participation in faculty research, including work with University advisory bodies, committees and research units, has heightened the impact CSBO has had on creating and sustaining positive change. While specific priorities vary, overarching support for the

expansion of sustainability and quality of life on campus continues to call community members to action.

This past year, CSBO's Environmental Design and Sustainability Office continued to focus on energy conservation, in support of York's broader Energy Management Program, through programs which included the Res Race to Zero (resident students) and "Unplugged" (faculty and staff). Collaboration with IRIS and Transportation Services gave rise to two community surveys. That information, together with the insights provided by student groups, assisted in formulating plans for the expansion of cycling initiatives and the installation of electric vehicle recharging stations at Keele Campus. Collaboration with the University of Toronto Urban Forestry program continued on the campus tree inventories. Future work on this project will include the creation of a website to share the information collected on York's trees.

Environmental Performance Indicators

Energy Consumption

Energy efficiency at the Keele campus is assessed by measuring energy consumed per square meter of built space. This metric also incorporates energy utilization by York's Central Utilities Building (CUB). The CUB utilizes electricity, natural gas and water to produce thermal utilities, including heating (steam);

cooling (chilled water) and power (electricity). The power is produced by natural gas turbine engines in York's 10 Megawatt cogeneration plant.

Cogeneration represents a cleaner, more efficient and less costly means of producing electricity than the use of simple cycle power generation and conventional heating boilers. It recovers waste heat to produce steam that is used for heating and cooling. York can produce up to 10 MW from cogeneration, or approximately 60% of typical annual consumption.

Variations from year to year in electricity and natural gas consumption reflect careful management of comparative electricity to natural gas costs in the marketplace. As electricity prices in the marketplace escalate relative to natural gas, the University relies on its cogeneration units to produce electricity which will increase its consumption of natural gas. When natural gas prices escalate, the University assesses the economic advantage of purchasing electricity directly from the marketplace. The overall downward trend in energy utilization is reflected in Consumption per student (megajoules per capita) and in Per cent Reduction since 2007.

Ratio of total amount of energy used:	Unit of Energy	2005	2006	2007	2008
Electricity (purchased from Toronto Hydro, incuding Glendon)	kWh (adjusted Kwh used)	61,733,351	65,969,152	58,099,111	53,084,210
Electricity (purchased from Toronto Hydro, incuding Glendon)	MegaJoules (1 kWh = 3.6 MJ)	17,148,153	18,324,764	16,138,642	14,745,614
Natural Gas (cogeneration, heating, & tri-generation cooling)*	Cubic Metres (m3)	28,554,000	36,905,570	39,656,698	32,783,018
Natural Gas (cogeneration, heating, & tri-generation cooling)*	MegaJoules (37.69 MJ/m3)	1,076,200,260	1,390,970,933	1,494,660,948	1,235,591,948
Oil (used when gas is not available)	lbs	222,600	0	119,062	0
Oil (used when gas is not available, longer term diesel generator)	MegaJoules	4,524,216	0	2,419,866	0
Total	**MegaJoules**	**1,097,872,629**	**1,409,295,698**	**1,513,219,455**	**1,250,337,562**
Student population at York (fiscal)		46,794	50,691	51,420	51,819
Consumption per student (megajoules per capital)		**23,462**	**27,802**	**29,429**	**24,129**

Ratio of energy used per square metre:					
Total gross Square Meteres (GSM) Keele Campus Plant		**549,257**	**722,388**	**723,123**	**723,123**
Electricity	MJ/Sq.M	31	25	22	20
Gas	MJ/Sq.M	1,959	1,926	2,067	1,709
Oil (used when gas is not available)	MJ/Sq.M	8	0	3	0
Total	MJ/Sq.M	**1,998.8**	**1,950.9**	**2,092.6**	**1,729.1**
Per cent reduction since 2007 (includes leased space & Auxillary units)		***4.5%***	***6.8%***	***0.0%***	***17.4%***
*does not include diesel used for routine emergency power generation					
*note: data is based on calendar year (not fiscal)	GJ/Sq.M	2.0	2.0	2.1	1.7

Ratio of total amount of energy used:	Unit of Energy	2009	2010	2011	2012	2013
Electricity (purchased from Toronto Hydro, incuding Glendon)	kWh (adjusted Kwh used)	81,663,033	62,466,202	53,685,654	62,719,861	53,550,965
Electricity (purchased from Toronto Hydro, incuding Glendon)	MegaJoules (1 kWh = 3.6 MJ)	22,684,176	17,351,723	14,912,682	17,422,184	14,875,268
Natural Gas (cogeneration, heating, & tri-generation cooling)*	Cubic Metres (m3)	26,479,916	28,876,594	31,022,516	28,019,871	27,644,065
Natural Gas (cogeneration, heating, & tri-generation cooling)*	MegaJoules (37.69 MJ/m3)	998,028,034	1,088,358,828	1,169,238,628	1,056,068,938	1,041,904,810
Oil (used when gas is not available)	lbs	7,958	0	0	0	0
Oil (used when gas is not available, longer term diesel generator)	MegaJoules	161,742	0	3,812,904	522,321	0
Total	**MegaJoules**	**1,020,873,952**	**1,105,710,551**	**1,187,964,214**	**1,074,013,443**	**1,056,780,078**
Student population at York (fiscal)		51,989	53,205	54,237	54,507	53,974
Consumption per student (megajoules per capital)		**19,636**	**20,782**	**21,903**	**19,704**	**19,579**

Ratio of energy used per square metre:						
Total gross Square Meteres (GSM) Keele Campus Plant		**723,123**	**723,123**	**723,123**	**724,918**	**724,918**
Electricity	MJ/Sq.M	31	24	21	24	21
Gas	MJ/Sq.M	1,380	1,505	1,617	1,457	1,437
Oil (used when gas is not available)	MJ/Sq.M	0	0	5	1	0
Total	MJ/Sq.M	**1,411.8**	**1,529.1**	**1,642.8**	**1,481.6**	**1,457.8**
Per cent reduction since 2007 (includes leased space & Auxillary units)		***32.5%***	***26.9%***	***21.5%***	***29.2%***	***30.3%%***
*does not include diesel used for routine emergency power generation		2009 Cogen down time due to high gas prices				
*note: data is based on calendar year (not fiscal)	GJ/Sq.M	1.4	1.5	1.6	1.5	1.5

Atmospheric Emissions

The general decline in carbon dioxide emissions per capita experienced between 2007 and 2009 can be attributed to the implementation of the University's energy performance measures, less adverse weather conditions and lower utilization of the cogeneration units. Annual atmospheric emissions represent the direct emission of CO2 from York University based on oil and gas burned, including the operation of the cogeneration plant. Adopting cogeneration as a means of producing in-house electricity has increased York's direct emissions since the two units were installed (in 1997 and 2003). However, the emissions are less than the emissions that would result through the production of an equal volume of electricity by other electricity producers in the province (using a mix of coal, oil, natural gas, hydraulic, nuclear). The increases in per capita emissions in 2010 and 2011 reflect the University's increased reliance on the cogeneration plant for electricity production due to sharp escalation of electricity costs in the marketplace. Emissions per capita decreased again in 2012 as a result of gas to electricity purchase cost optimization and the fact that the cogeneration units were shut down for maintenance for extended periods of time.

Figure 2: Annual Carbon Dioxide Equivalent Emissions Per Capita (student population) Keele Campus

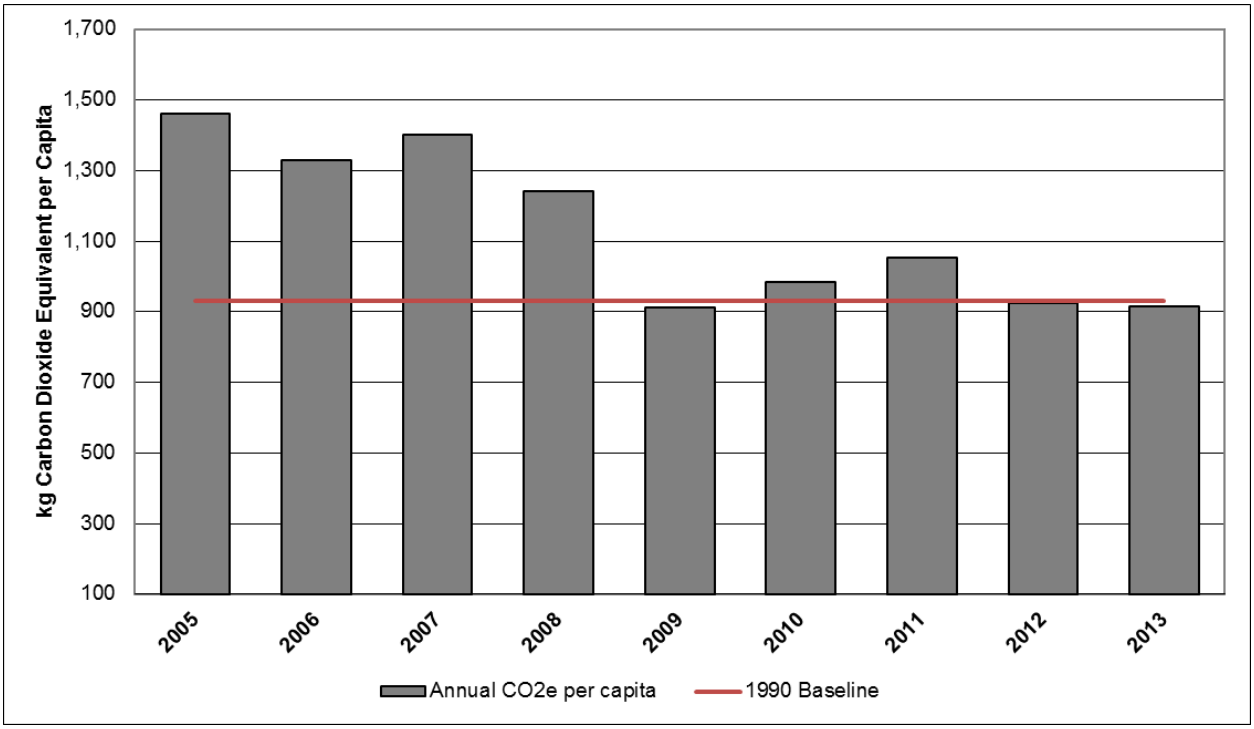
	Unit	1990	2005	2006	2007	2008
Total amount of carbon dioxide equivalent emitted	1990 Baseline	37,340,030	37,340,030	37,340,030	37,340,030	37,340,030
Total amount of carbon dioxide equivalent emitted*	Kg/year	37,340,030	68,368,000	65,838,000	71,058,000	63,819,000
Student population at York		40,144	46,794	49,496	50,691	51,420
Total gross Square Meteres (GSM) Keele Campus Plant		476,827	549,257	722,388	723,123	723,123
Carbon Dioxide Equivalent emissions per capita (population)	**Kg/Capita**	**930**	**1,461**	**1,330**	**1,402**	**1,241**
Carbon Dioxide Equivalent emissions per capita (population)	1990 Baseline kg capita	930	930	930	930	930
Carbon Dioxide Equivalent emissions per capita (Sq.M.)	**Kg/Capita**	**78**	**124**	**91**	**98**	**88**
Carbon Dioxide Equivalent emissions per capita (Sq.M.)	1990 Baseline kg capita	78	78	78	78	78
					0.0%	***-11.5%***
					0.0%	***-10.2%***
	Unit	**2009**	**2010**	**2011**	**2012**	**2013**
Total amount of carbon dioxide equivalent emitted	1990 Baseline	37,340,030	37,340,030	37,340,030	37,340,030	37,340,030
*Total amount of carbon dioxide equivalent emitted**	Kg/year	47,309,000	51,161,000	56,041,000	50,234,000	49,485,163
Student population at York		51,819	51,989	53,205	54,237	53,974
Total gross Square Meteres (GSM) Keele Campus Plant		723,123	723,123	723,123	724,918	724,918
Carbon Dioxide Equivalent emissions per capita (population)	**Kg/Capita**	**913**	**984**	**1,053**	**926**	**917**
Carbon Dioxide Equivalent emissions per capita (population)	1990 Baseline kg capita	930	930	930	930	930
Carbon Dioxide Equivalent emissions per capita (Sq.M.)	**Kg/Capita**	**65**	**71**	**77**	**69**	**68**
Carbon Dioxide Equivalent emissions per capita (Sq.M.)	1990 Baseline kg capita	78	78	78	78	78
		-34.9%	***-29.8%***	***-24.9%***	***-33.9%***	***-34.6%***
		-33.4%	***-28.0%***	***-21.1%***	***-29.5%***	***-30.5%***

* Direct combustion including CO2, CH4, N2O from natural gas and oil, not including purchased electricity, fleet, or emergency power generators. Emissions calculated using O.Reg.419/52 Global Warming Potentials.

Note: Data is based on calendar year (not fiscal) and results are very dependent on cogeneration utilization and natural gas prices relative to electricity prices.

Source: Department of Campus Services and Business Operations

Figure 2A: Annual Carbon Dioxide Equivalent Emissions Per Capita (student population) Keele Campus



Source: Department of Campus Services and Business Operations

Direct combustion including CO2, CH4, N2O from natural gas and oil; not including emissions from purchased electricity, fleet, and emergency power generators

Results are very dependent on cogeneration utilization and natural gas prices relative to electricity prices.

Water Consumption

Water consumption has an environmental impact in terms of the overall availability of natural resources for societal use as well as the costs associated with municipal infrastructure delivery and maintenance costs. Water consumption figures are based on actual meter readings of all main water meters. Fluctuation in water consumption per capita can be influenced from year-to-year by weather and by the associated amount of water used for cooling tower makeup, and irrigation of sport fields, gardens and lawns. Since 2009, there have been inconsistencies in the reporting of water consumption from City of Toronto Water, which reflects ongoing recalibration of its metering processes and billing time frames. The average trend over the past five years has been a decrease in per capital consumption reflecting introduction of water conservation measures and more responsible behaviours of consumers on campus. Water consumption may increase over the next few years as the University promotes the phase-out of the sale of bottled water on campus by September 2015 in favour of the use of tap water, and introduces more water bottle re-fill stations. This may have been a contributing factor to the increase in per capita consumption in 2013-2014.

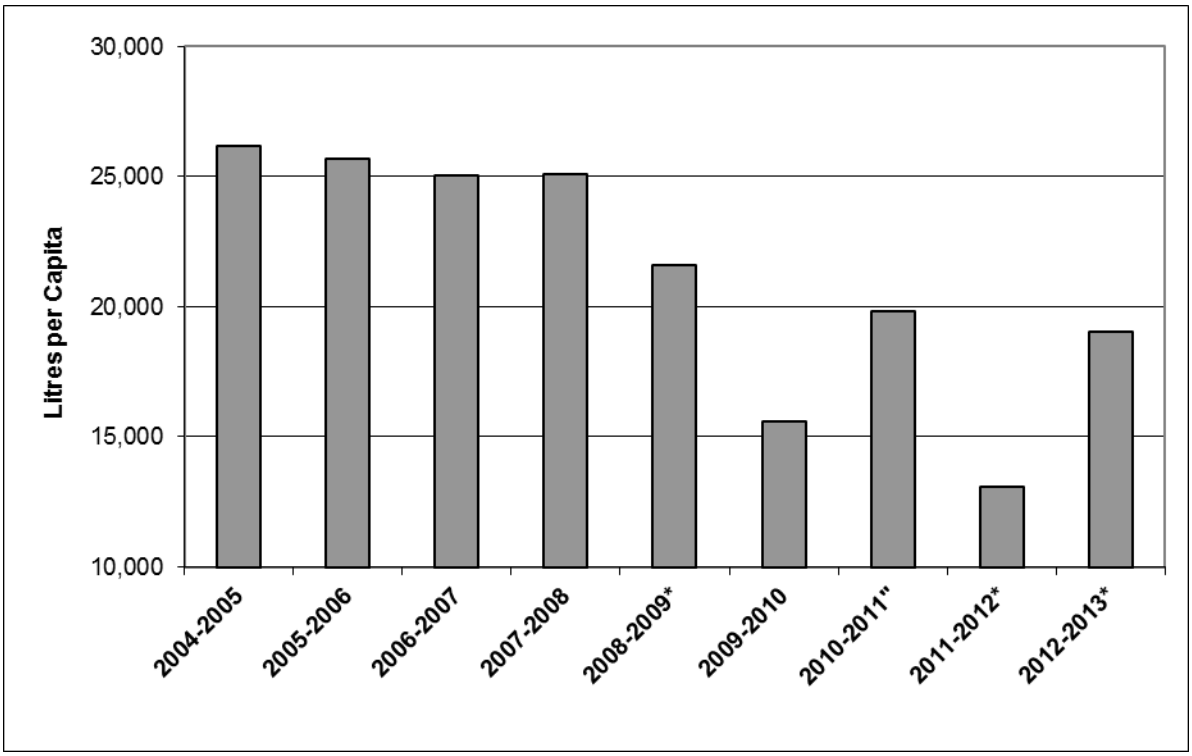
Figure 3: Annual Water Use – Water Used per Capita (student population)

	Unit	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009*
Total amount of water used	Litres/yr	1,296,042,740	1,301,583,045	1,288,629,091	1,300,543,640	1,122,123,992
Student population at York		49,496	50,691	51,420	51,819	51,989
Water used per capita (student population)	**Litres/Capita**	**26,185**	**25,677**	**25,061**	**25,098**	**21,584**

	Unit	2009-2010	2010-2011"	2011-2012*	2012-2013*	2008-2009*
Total amount of water used	Litres/yr	830,620,000	1,075,290,376	711,594,500	1,027,527,814	1,122,123,992
Student population at York		53,205	54,237	54,507	53,974	51,989
Water used per capita (student population)	**Litres/Capita**	**15,612**	**19,826**	**13,055**	**19,037**	**21,584**

Figures are approximate due to City of Toronto Water recalibration of metering and billing time frames
Source: Department of Campus Services and Business Operations

Figure 3a – Annual Water Use – Water Used per Capita (student population)



Figures are approximate due to City of Toronto Water recalibration of metering and billing time frames. Source: Department of Campus Services and Business Operations

Waste Product and Recycling

The Solid Waste Generation category includes all non-recyclable waste. Recyclables at York include: glass, newspaper, fine paper, electronic wastes, plastic, metal, concrete, plant material, furniture, oil, batteries, aluminum cans, tires, computers, fluorescent light bulbs, corrugated cardboard packaging and organic waste. The recycling program at York continues to be successful in diverting major amounts of waste produced on site from landfills.

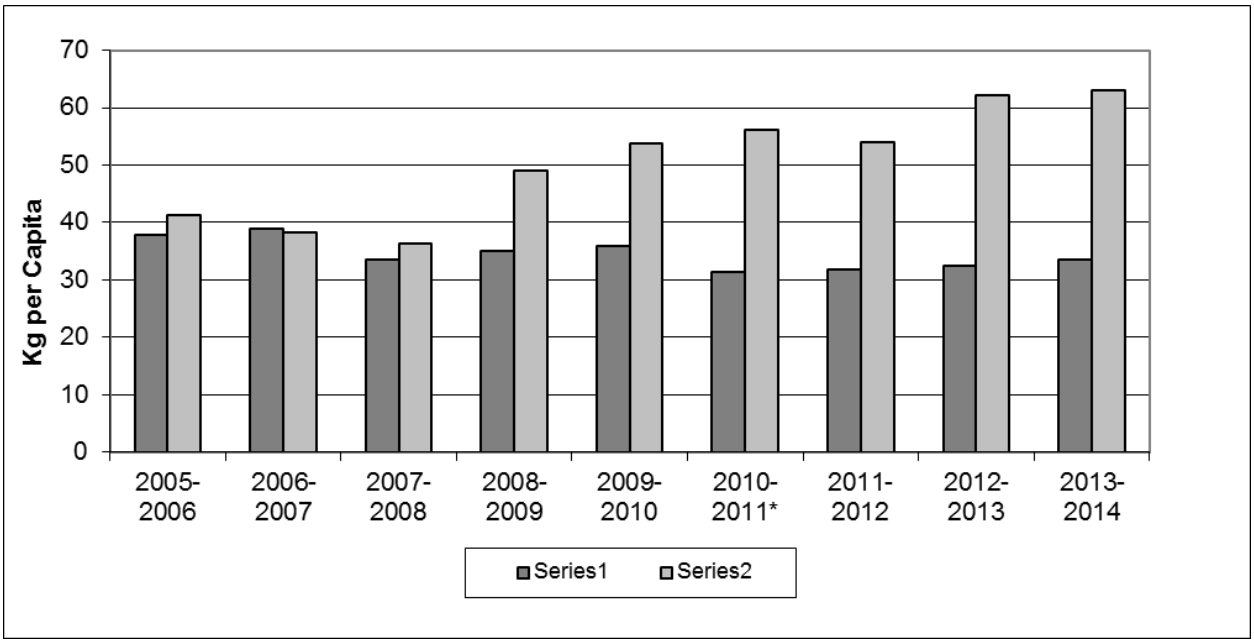
Waste generation has decreased and recyclables have increased appreciably since the early 1990's. The launch of the University's ZeroWaste program in 2010, including an expanded program of organic waste collection, and promotion of greater consumer awareness, have helped maintain the University's waste diversion rate in 2013-2014 at 66%.

Figure 4: Waste Production and Diversion per Capita (student population)

		2005 - 2006	2006 - 2007	2007 - 2008	2008 - 2009	2009 - 2010	2010 - 2011*	2011 - 2012	2012 - 2013	2013 - 2014
Solid Waste produced (excl. 3 Rs initiatives)	Kg	1,915,000	1,997,110	1,997,100	1,826,000	1,911,000	1,702,010	1,737,100	1,767,000	1,812,000
Recyclables produced (Diverted Waste)	Kg	2,092,000	1,969,450	2,163,900	2,549,000	2,856,000	3,044,910	2,946,120	3,399,000	3,397,000
Student population at York		50,694	51,420	59,685	51,989	53,205	54,237	54,507	54,590	53,974
Solid waste per capita	Kg/Capita	37.78	38.84	33.46	35.12	35.92	31.38	31.87	32.37	33.57
Recyclables per capita	Kg/Capita	41.27	38.3	36.26	49.03	53.68	56.14	54.05	62.26	62.94

* Recyclables number in 2010/11 has been adjusted. Source: Department of Campus Services and Business Operations

Figure 4A: Waste Production and Recycling per Capita (student population)



Source: Department of Campus Services and Business Operations

Biodiversity

Tree and shrub plantings were undertaken as components of capital projects and landscape improvements in various exterior locations of the campuses. On Arbor Day, York Is U and other student volunteer events continued their tradition of adding to green areas on both campuses, including areas adjacent to existing woodlot areas. A wider variety of native trees, shrubs and plants are used, and particularly those which have shown success over repeated years of tracking survival in local conditions. The amount of planting varies from year to year, depending to some extent on the amount of redevelopment and new construction. Fertilizer is applied in order to maintain healthy

turf and certain garden areas. Factors which influence the annual applications include condition of turf, weather patterns, and traffic. Additional applications may be required in any given year in order to maintain an acceptable standard of growth, and as a result, there are fluctuations within the amounts of fertilizer used in any one year. Beginning in 2008, conditions required a return to a higher level of fertilizer application in order to sustain healthy turf and gardens. The dramatic drop in fertilizer use in 2012-2013 is largely the result of the reconstruction of one natural turf sports field in 2012 and the University's decision to install artificial turf in place of natural turf in the York Stadium in 2013.

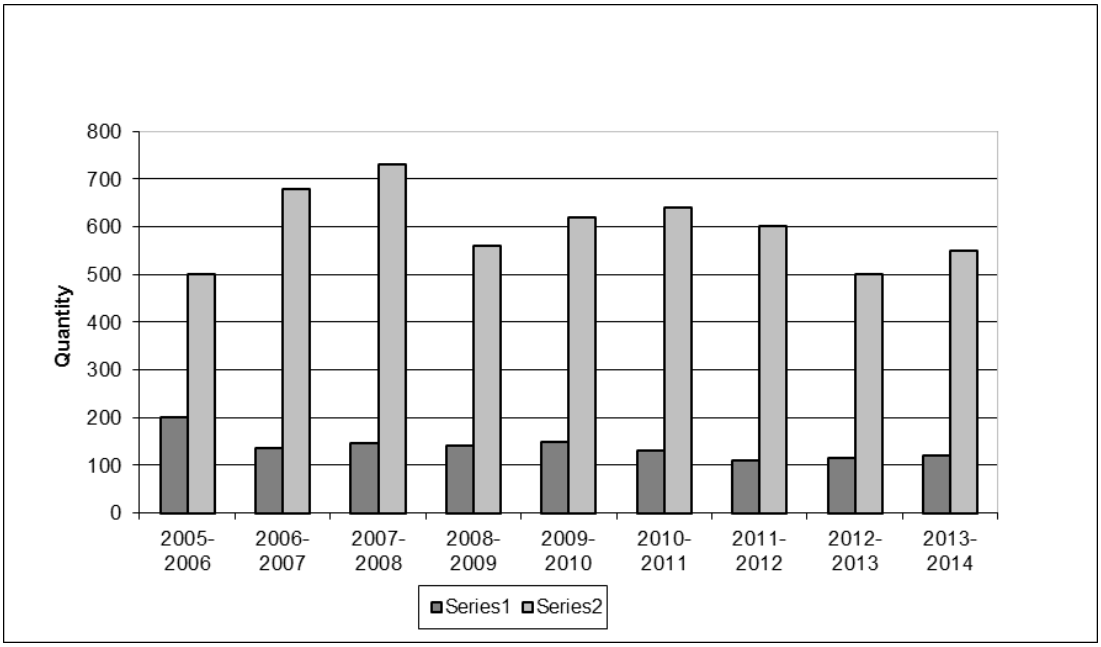
Pesticides and herbicides are limited in use to control such pests as insects and rodents. Continuing efforts to minimize their use lessen environmental impacts and potential harm to research work conducted on campus.

Figure 5: Grounds Management / Native Species & Shrubs

	2005 - 2006	2006 - 2007	2007 - 2008	2008 - 2009	2009 - 2010	2010 - 2011	2011 - 2012	2012 - 2013	2013 - 2014
Trees	200	136	145	140	148	130	110	115	120
Shrubs	500	680	730	560	620	640	600	500	550
Total Amount of Fertilizer Used (Kg)	18250	9,400	12,000	19,040	17,000	16,000	17000	6818	12000
Total Amountof Herbicides and Pesticides Used (Kg)	2	1	1	1	1	1	1	1	1

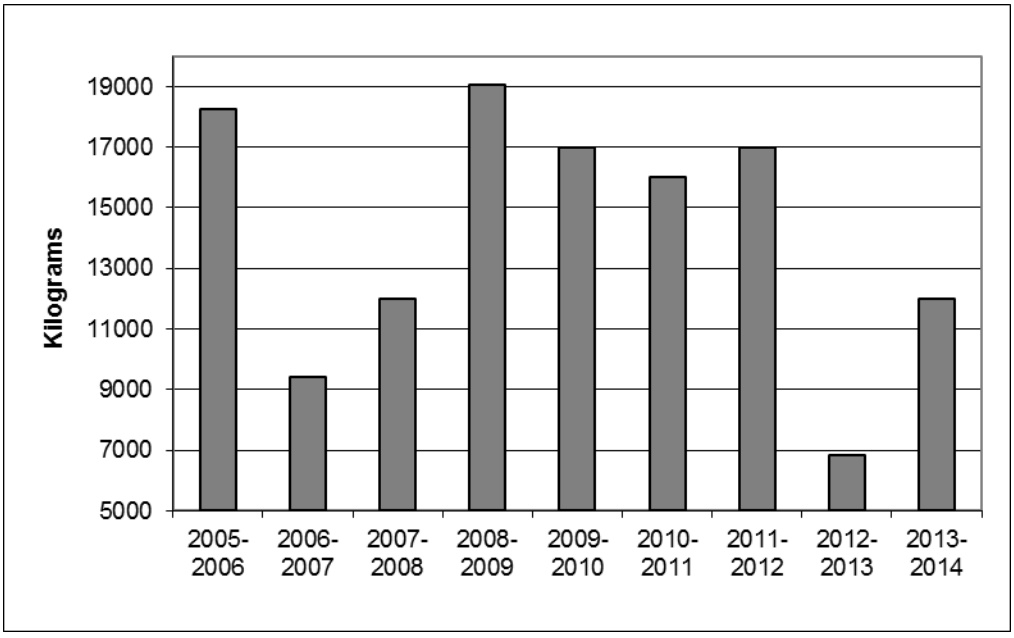
Planted Source: Department of Campus Services and Business Operations

Figure 5A: Number of Native Species and Shrubs Planted



Source: Department of Campus Services and Business

Operations Figure 5B: Total Amount of Fertilizers Used



Source: Department of Campus Services and Business

Transportation

The commuter modal split in 2013-2014 was approximately 20/80 per cent single occupant vehicle to other means of commuting, including public transit. This compares to 35/65 per cent in 2009-2010 and 65/35 per cent in 1998 when York's first "green plan" for parking and transportation was developed. The trend continues toward the use of public transit for commuting to campus. In Fall 2009, the York University Busway opened, making it much quicker for TTC buses to travel between the University's Keele campus and Downsview Station. There has been an increase in the number of transit bus trips serving the Keele campus daily, from 1,100 in 2004 to 2666 in 2013 (counts performed in September each year). More dramatic is the comparative change since 1999 when there were only 575 daily bus trips to the Keele campus. The increase in bus trips in 2013 is attributable in part to the TTC increasing the frequency of buses to and from Downsview Station in order to maintain transit schedules and better accommodate demand and predicted delays from construction related to the subway extension. There has also been an increase in the number of students living closer to campus and walking or cycling from the Village (the residential community immediately south of the campus) and this has significantly increased the number of trips provided by the University's Campus Shuttles. In 2007, CSBO introduced

Zipcar, a car sharing company on campus, to complement the other transportation initiatives. There are over 800 members of the York community who have joined this new program.

A continued rise in the use of transportation modes other than a single occupant vehicle (transit, carpooling, cycling) will further reduce harmful vehicle emissions that contribute to poor air quality and increased greenhouse gases.

Reducing single occupancy vehicle use also lessens traffic congestion and the land-intensive demand for parking on both campuses.

Figure 6: Transportation

	2002 - 2003	2003 - 2004	2004 - 2005	2005 - 2006	2006 - 2007	2007 - 2008	2008 - 2009	2009 - 2010	2010 - 2011	2011- 2012	2012 - 2013	2013 - 2014
Number of Parking permits issued	17,282	16,086	16,710	14,289	15,757	14,833	12,634	12,215	10,573	10,893	12,583	9,952
Number of Carpool permits issued annually	617	436	391	439	494	449	334	387	404	490	593	410
Student population at York	43,635	46,794	49,496	50,691	51,420	51,819	51,989	53,205	54,237	54,507	54,590	53,974
Number of parking permits per 1,000 students	**396.06**	**343.76**	**337.6**	**281.88**	**306.44**	**286.25**	**243.01**	**229.58**	**194.94**	**199.85**	**230.50**	**184.39**
Number of carpool permits per 1,000 students	**14.14**	**9.32**	**7.9**	**8.66**	**9.61**	**8.66**	**6.42**	**7.27**	**7.45**	**8.99**	**10.86**	**7.60**
Number of buses serving campus daily	**843**	**1,000**	**1,100**	**1,516**	**1,650**	**1,685**	**1700**	**1700**	**1750**	**1750**	**2574**	**2666**

Source: Department of Campus Services and Business Operations

Safety

Safety is an important aspect of a sustainable environment. Benchmark information that illustrates the safe and peaceful environment of the University campus, relative to the surrounding city community is presented in Figure 8 below.

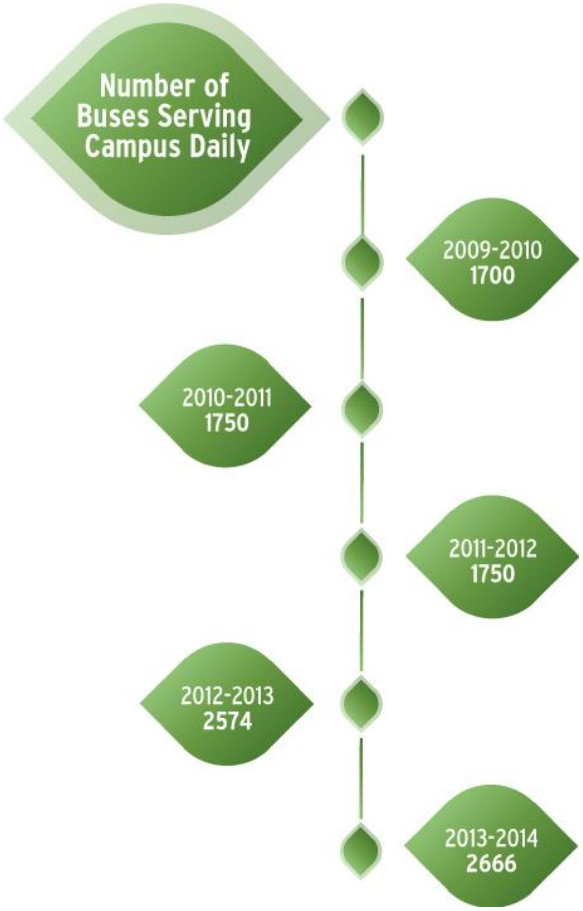
Figure 8: Safety and Security - Per Capital Comparison of York University Incidents to City of Toronto

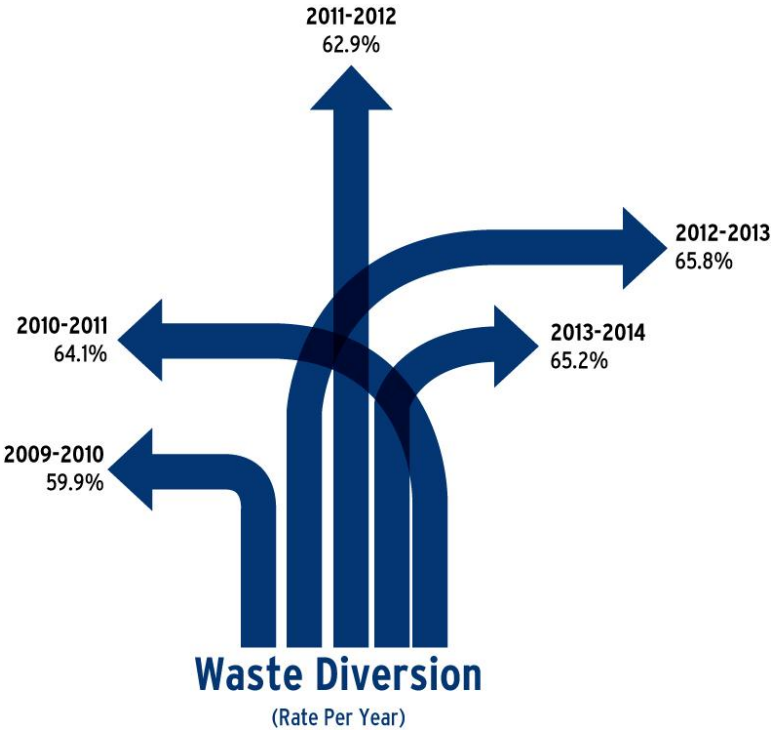
Crimes Against Persons per 1,000 Population	2006	2007	2008	2009	2010	2011	2012	2013
City of Toronto*	13	12	12	11	11	11	N/A	N/A
Toronto Police 31 Division*	17	17	16	16	14	16	N/A	N/A
York University	3	2	2	2	2	2	2	2

Property Crimes per 1,000 Population	2006	2007	2008	2009	2010	2011	2012	2013
City of Toronto*	43	41	39	37	33	32	30	N/A
Toronto Police 31 Division*	40	41	36	33	28	31	27	N/A
York University	12	11	9	11	9	7	10	6

*Data drawn from Toronto Police Annual Statistical Report; 2013 Report Not Available at the publication time Source: Department of Campus Services and Business Operations

Energy Use Per Year	
2007	1513219455.49235
2008	1250337562.30889
2009	1020873951.59659
2010	1020873951.59659
2011	1187964213.70667
2012	1074013442.60111
2013	1056780078.01111




2011-2012
62.9%
2012-2013
65.8%
2010-2011
64.1%
2013-2014
65.2%
2009-2010
59.9%
Waste Diversion
(Rate Per Year)