

Executive Summary.....	1
Context.....	1
Description of Dawson's Waste Management System.....	2
Composting.....	3
Outdoor Garbage Bins.....	3
Hazardous Waste.....	4
Electronic Waste.....	5
Office Furniture.....	5
Construction Contractors Division of concrete, wood, gypsum and metal.....	5
Evolution of our Waste at Dawson College.....	5
What is In Our Waste.....	6
Division Rate.....	7
Carbon Budget.....	7
Proposition.....	7
Education and Communications.....	8
Reduction.....	9
Anticipated Challenges.....	9
Collecting Compost.....	9
No More Garbage Office Pick-up.....	10
Relaying Information.....	10
High Contamination Rates.....	10
Collecting Liquids.....	11
Evaluation and Monitoring.....	11
Projections for Waste Management Tonnage.....	12
Annex 1: Proposed Steps to Implementation.....	12
Hillways.....	12
Offices.....	12
Classrooms.....	13

Laboratories Lounges & Studios.....	13
Library.....	14
Large Open Spaces.....	15
E	5

The recycling world was shaken in January of 2017 when the Chinese Government forbade the import of Western recycled material because contamination rates were high and thus the material demanded too much processing to be worth while. The result of this is an international re-organization of markets and



Cégep St-Laurent, Vanier College) use RAM to collect their glass, metal, plastic as well as paper and cardboard. RAM picks up approximately 50 metric tons of material from Dawson every year. Mixed paper

Hazardous Waste

Hazardous waste is stored in special lab facilities according to WHMIS regulations with modified airflow. Certified hazardous waste pickup companies dispose of these at least each semester.

Departments keep inventories of chemicals with every effort made to reuse material appropriate and safe for that purpose. The [Dawson Toxic Chemical or Gas Spill Protocol](#) is posted on the Facilities Management website.

Fluorescent bulbs are collected and sent to a recycling facility. The College receives proof of recycling and the amount of linear feet of bulbs that is recycled yearly. Other types of bulbs are collected and sent to recycling facilities or landfill, depending on the type of bulb.

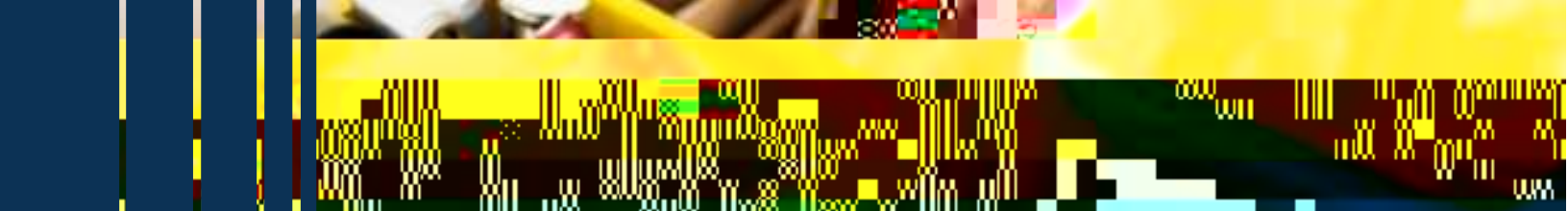
Dawson follows provincial regulated standards for chemicals that are used in cooling equipment. Our plan is to replace equipment that has non-compliant chemicals in the coming years.

The college uses ecological friendly paint (eco source paints), or the equivalent to low VOC products.

Every department or laboratory in the College, where any kind of chemicals or hazardous materials are used, or where operated machinery, which can produce any toxic emission, should have the following in a readily accessible location:

1. An updated list of the chemicals or hazardous materials used in the area.
2. A computer printout from WHMIS (available in Facilities Management) on all of the chemicals or hazardous materials used in the area, indicating action and treatment in the event of a spill or harmful exposure to the chemical.
3. Any equipment or first aid supplies necessary for dealing with a spill or harmful exposure and for proper cleanup.

Stationary chemical detection devices are located in all chemistry labs or equivalent use spaces.



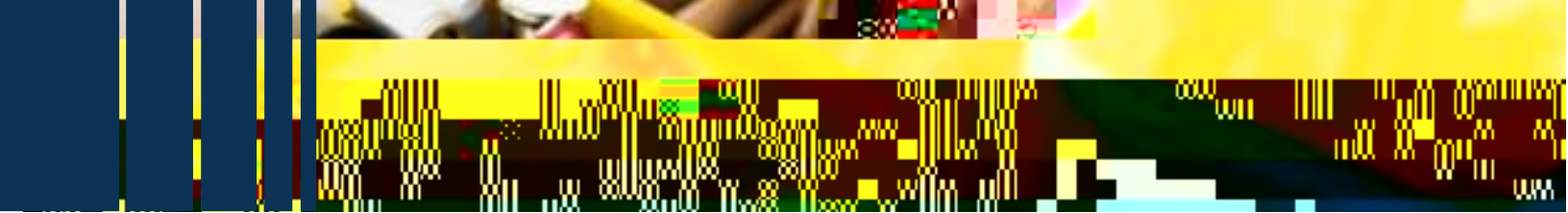


Figure 4

The 2017 diversion rate is in the order of 25% and ought to expand rapidly with the deployment of the new system and the removal of the old infrastructure. The stated objective in the Sustainability Plan of reducing our landfill-bound waste by 40% by 2030 would bring us to a diversion rate of 37% to 43%, depending on whether the material is reduced or better diverted.

The impact of our waste on our carbon budget is not to be underestimated. In 2016/2017, our carbon represented 251 Metric tons of CO₂ equivalent, 42% of our total, excluding emissions related to travel. Dawson aims to be carbon neutral by 2017/2018 (scope 3) and the total emission tonnage can be significantly reduced with an efficient waste management system in place. High participation rates in the College's planned compost system could reduce this building's emissions by at least half.

There are many standard garbage cans. These are repositories for recycled and compostable material as users tend to go to the nearest receptacle for the material they wish to discard. These should be

The other major change that we can propose is to move all recycling to single stream, commingled. Our recycler does not need material to be pre-sorted. This will also simplify the collection and the choice by the user as the system will resemble municipal systems in the region.

Facilities Management plans to collaborate with the cafeteria and eventually also work with the Alexis Nihon Plaza food vendors to improve and perhaps find ways to reduce the disposable packaging sold with their food. It will also be necessary to keep working on education programs to impact the users so that they reduce their production of waste and sort correctly. Opportunities to collaborate with teachers will be reviewed (field work students, projects, data collection, etc).

The communications effort related to these changes, including standardizing signage, will be important. A few different models of bins should be chosen and these should have consistent colors as well as consistent signage.

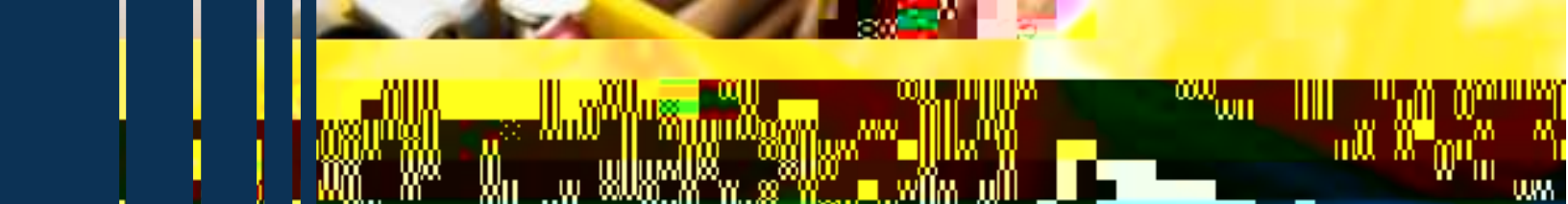
A detailed description of how to approach each type of College location as well as how this fits into a timeline, is in the appendix section of this document.

the Borough of Côte des Neiges and the University of Montreal to pick up some of the Université de Montréal's compost. Facilities will keep a close eye on the development of this program. This means that a company will have to be hired to remove our material and compost it. This is happening with Compost Montreal. Although their price is high (by volume of containers), they assure us that a much greater volume would benefit from an economy of scale and will not impact our overall costs very much. One notable advantage of this company is that their compost site is less than 5 kilometers away. Compost Montreal estimates that the cost of a tripling of volume will be about \$15,000 per year.

No More Garbage Office Pickup

A stoppage of waste material pickup from offices will be resisted. Facilities Management needs to communicate gently but firmly how office occupants should take care of their own waste management. Staff have come to expect that their waste bins are emptied for them. Facilities Management will / is a negotiable what task is set





Inventory present office infrastructure. Suggest a plan for each group of offices. Choose proper bins and purchase them or plan the move and removal of infrastructure. In larger office groupings, it might be appropriate to consult the occupants in order to get their proposed location ideas and create buy-in.

Any printer needs to have a recycle bin immediately beside it for misprinted paper. If the office has central printers, these should be equipped with a recycle bin immediately adjacent to it.

Changes to office waste procedures will be announced in the summer of 2018, further procedures will be announced through the fall of 2018.

Classrooms

Classroom garbage cans should be removed and the teachers' help requested in order to help the students take responsibility for their garbage.

Implement a pilot project along one particular hallway segment with different parameters. Test the cleanliness of the spaces before and after the change to establish the impact. If the pilot has acceptable results, inventory classrooms. Remove garbage cans and other waste infrastructure which might be present.

: the pilot was carried out and concluded that there was a small difference of objects left in classrooms without garbage cans as compared to those with garbage cans. The difference is not large enough to be significant and thus the decision to remove garbage cans from classrooms has been taken and the work is well underway to remove these and repair and paint the surface underneath.

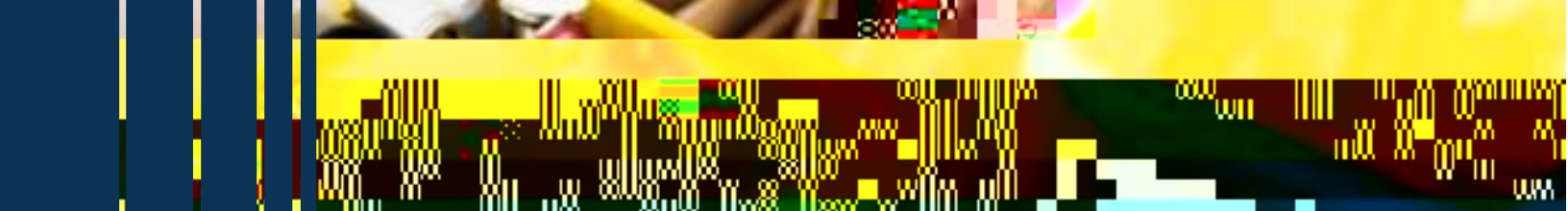
Remove the steel bins (what to do with them?) and remove steel plaques which hold them. Paint under the bins.

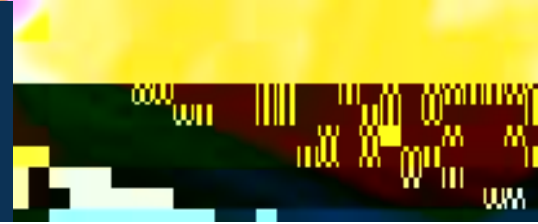
Any printer needs to have a recycle bin immediately beside it. Ideally, this is a bin with a slit at the top in order to identify it as a "paper" bin.

Classroom garbage bins will be removed in the summer of 2018. Classrooms with printers will be equipped with recycle bins at the same time.

Laboratories, Lounges & Studios

In these spaces, a central location or locations should be chosen to host a garbage can, recycle bin and small compost bin. Models which are similar to those in the hallway will be chosen if budgets permit. Otherwise, Dawson will use equipment that it already has. All other stand alone garbage cans will be removed.





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