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Overview and Executive Summary

This is the 2013 Carbon Neutral Action Report (CNAR) for North Island College. This report contains our 2013 emissions profile, offsets purchased, the actions we have taken in 2013 to reduce our GHG emissions and our plans to continue reducing emissions in 2014 and beyond.

By June 30, 2014, North Island College's final CNAR will be posted to our website at http://www.nic.bc.ca/about_us/environmental.aspx.

North Island College is a community college committed to high quality and excellence in our programs and services. Among the College's Vision Statements is being a respectful steward of our unique natural setting. The College's Values frame everything we do and express our commitment to our students, communities, residents of our region and ourselves, in part through social and environmental responsibility by actively engaging in the economic and social development of our communities and as active stewards of the unique natural environment in which we reside. Among the College's Strategic Directions that are fundamental to the College achieving its vision are working with community partners to improve transport to and between campuses, working with our communities to promote awareness of the beauty of our natural setting, and supporting implementation of environmentally sustainable practices.

Our actions in 2013 towards becoming carbon neutral include education, developing sustainability policies and reducing greenhouse gas emissions through upgrading and refitting lighting and HVAC equipment as this equipment reaches the end of their functional life cycles. We have ongoing commitments to refit equipment and upgrade services to improve efficiency and reduce greenhouse gas emissions. North Island College endeavors to improve and test efficient technologies for building infrastructure and communications.

The recently established Environmental Sustainability Team provides leadership with regards to the types of activities and steps that we can take to serve as a respectful steward of our unique natural setting and support implementation of environmentally sustainable practices. The Environmental Sustainability Team includes a cross-section of employees and students from our four campuses to provide local campus knowledge and a broad representation of perspectives when developing recommendations for operational changes and other green initiatives.

Canada Green Building Council presented the final elements of the Leadership in Energy and Environmental Design (LEED) Canada Certification for the Gold Rating achieved in 2013 for the North Island College's Trades Training Centre located at the Comox Valley Campus. This building has brought the college forward in new technologies and identified opportunities to apply to the college facilities. This building is the first LEED targeted building in the Comox Valley and as such has generated considerable attention. As an educational value of the green building features to inspire and educate occupants and interested parties about the benefits of sustainable building and practices, guided tours are provided by North Island College to various groups and individuals upon request.

Actions taken to reduce greenhouse gas emissions in 2013 include the following:

- Installation of 2 electric vehicle charging stations at the Campbell River Campus.
- Development of a Remote Web-based Science Laboratory that allows students to control and collect real data from actual science lab equipment over the internet, reducing carbon emissions through travel between learning centers and campuses.
- Lighting upgrades at the Ucluelet learning center, the Campbell River Vigar Vocational Centre and the Port Alberni & Comox Valley Campuses.
- Replacement of several existing low efficiency gas furnaces with new high efficiency furnaces.
- Retrofitting programmable thermostats to allow better temperature control of buildings, both for programming and for daily temperature adjustments.
- We continue to support community initiatives such as 'Bike to Work Week' and work with local community and governments to support initiatives and awareness.


2013 Greenhouse Gas emissions were also reduced indirectly when the removal and replacement of old carpeting in 7 buildings on 2 campuses was done with new LEED quality commercial carpet tile with a high percentage of recycled product and a Zero VOC glue. By participating in *InterfaceFLOR's* ReEntry 2.0 carpet reclamation program, North Island College's environmental effort and stewardship diverted **9,000** pounds of carpet from the Comox Valley Campus and **4,500** pounds of carpet from the Port Alberni campus from the landfill.

North Island College's greenhouse gas emissions in 2013 were 1,074 tonnes of tCO₂e. This is a decrease of 71.6 tonnes (equivalent) from 2012 emissions. Due to the continued implementation of printing and photocopying fees for students, emphasis on double-sided printing and moving some learning materials to electronic format, paper consumption for 2013 has decreased from 2010 levels by over 75%.

We plan to continue to reduce greenhouse gas emissions through energy conservation by educating and encouraging behavioral change. As the greatest portion of the College's greenhouse gas emissions are generated by stationary fuel combustion and electricity, to improve efficiency in order to reduce these emissions the College will continue to retrofit equipment and upgrade services. We will continue to work with BC Hydro to perform energy and lighting retrofits to improve efficiency. Planned upgrading and retrofit projects for 2014 include mechanical HVAC upgrades for the Comox Valley Campus and the upgrading of the Port Alberni and Comox Valley campus's Direct Digital Control systems to allow better temperature control of the buildings, both for programming and for daily temperature adjustments. Washroom upgrades started in 2013 that will be completed in 2014 include replacing existing fixtures with low-flow toilets, hands-free low-flow taps, and hands free paper towel dispensers to reduce water and paper use. Upgrades will also include replacing old metal toilet partitions that are being sent to a metal recycler with new partitions that are solid plastic with 90% or better recycled content.

Emissions and Offsets Summary:

Organization X GHG Emissions and Offsets for 2013 (TCO2E)	
GHG Emissions created in calendar year 2013 (from SMARTTool Homepage)	
Total Emissions	1075
Total Emissions for Offsets	1074
Adjustments to GHG Emissions Reported in Previous Years (from SMARTTool Homepage)	
Total Emissions	5
Total Emissions for Offsets	5
Credit owing from PCT at end of 2012 reporting year (if applicable – from May 15 Invoice):	
Credit Owing	102
Total Emissions for Offsets for the 2013 Reporting Year (from Offset Invoice):	977

 Signature	May 28, 2014 Date
CAROL BAERT Name (please print)	VICE PRESIDENT FINANCE & FACILITIES Title

About North Island College

North Island College, as a public, post-secondary institution, offers over 900 courses and 70 credit programs that serve the diverse needs of citizens of North Vancouver Island and beyond. We strive to develop the knowledge and skills required to strengthen our communities and to foster leadership and growth. We work with our community partners to create opportunities for rewarding careers for our students, to fulfill dreams, and to facilitate positive change.

North Island College's primary service area encompasses the geographic region covered by School Districts 49, 70, 71, 72, 84 and 85 which includes northern Vancouver Island and the BC mainland coast from Desolation Sound to Klemtu. North Island College serves over 159,000 people over 80,000 square kilometers with four campuses, one learning center, and two vocational centers.



North Island College holds a vision of being a premier community and destination college, in a spectacular west-coast environment, that inspires and prepares students for success in a rapidly changing world. We want to expose to not only students from our region, but also to those from elsewhere in Canada and from throughout the world to the excellence and spectacular learning environment that is North Island College. One of the College's vision criteria is being fulfilled by being a respectful steward of our unique natural setting. A key value at North Island College is for Social and Environmental Responsibility by actively engaging in the economic and social development of our communities and being active stewards of the unique natural environment in which we reside.

Greenhouse Gas Emissions

Under the British Columbia Provincial *Greenhouse Gas Reduction Targets Act*, Chapter 42, the targets established for the purpose of reducing BC greenhouse gas (GHG) tCO₂e emissions are 33% by 2020 & 80% by 2050.

As well, in 2008 the BC Government reviewed and accepted the recommendations of the Climate Action Team, establishing interim GHG reduction targets of 6% below 2007 levels by 2012 and 18% by 2016. Each public sector organization, which North Island College has been categorized as, shall be carbon neutral for the 2010 calendar year and for each subsequent calendar year.

As seen from the table below, the vast majority of our carbon emissions are generated through building's stationary fuel combustion and electricity. North Island College's carbon footprint in 2013, in accordance with the Greenhouse Gas Reduction Targets Act (as reported in SMARTTool), was 1,074 tonnes. This represents a reduction of 71.61 tonnes from our 2012 footprint of 1,145.61 tonnes.

CO ₂ e Emission Source (1)	CO ₂ e Emissions (Tonnes)			
	2013	2012	2011	2010
Stationary Fuel Combustion & Electricity (Buildings)	1044	1132	1175	985
Supplies (Paper)	19	7	42	1
Mobile Fuel Combustion (Fleet & Other Mobile Equipment)	11	6	10	82
Total Carbon Footprint (tCO₂e) (2)	1074	1146	1227	1069
Emissions per Full-time Employee (323.75)/Student (2644.81)	0.36	n/a	n/a	n/a
Emissions per Building Space (32,819.60 m ²)	0.03	n/a	n/a	n/a

- (1) It was estimated that Fugitive Emissions from cooling equipment do not comprise more than 0.01% of North Island College's total emissions and an ongoing effort to collect or estimate emissions from this source would be disproportionately onerous. For this reason, emissions from this source have been deemed out-of-scope and have not been included in our total greenhouse gas emissions profile.
- (2) Due to rounding values, the total Carbon Footprint of tCO₂e does not add exactly.

Energy & Environmental Sustainability

North Island College's Environmental Sustainability Team was created in 2012 to provide leadership and direction in assisting the College in achieving its sustainability commitments as outlined in NIC's 2011-2015 Strategic Plan as well as the ACCC Pan-Canadian Protocol for Sustainability. The Environmental Sustainability Team was established with a mandate to model sustainability leadership at North Island College campus locations by increasing awareness of sustainability issues, supporting the implementation of practices that reduce the environmental footprint of College operations, and encouraging dialogue and discussion about environmental sustainability amongst the college community and the community-at-large in the North Island College region. The link to the Environmental Sustainability Team webpage is located at http://www.nic.bc.ca/about_us/environmental.aspx. This website contains College sustainability information and links to sites such as the Comox Valley Conservation Strategy and the Low Energy Housing Project – Vancouver Island. Through the work of the Environmental Sustainability Team, NIC continues to seek new, innovative methods to achieve sustainability.

In addition to developing a sustainability policy for the College and providing input into the development of Campus Master Plans, other priority areas/initiatives that the Environmental Sustainability Team has identified for further investigation and implementation include:

- Reduce/Reuse/Recycle initiatives such as waste reduction (i.e. water bottle fill stations to replace bottled water), improved/enhanced recycling programs, education/communication to reduce printing and improved/enhanced composting practices.
- Energy reduction initiatives such as enhanced use of programmable thermostats, low-energy lights and motion-activated/timer lights.
- Transportation initiatives such as promotion/support for alternative (to single occupant car) commuting methods and being an advocate for improved public transit options for College community.
- Community Engagement /Education initiatives include provision of easy access to sustainability ideas and information via North Island College website and portal, facilitation of dialogue about sustainability issues amongst the College community and support for the integration of sustainability into programming/curriculum (where appropriate) and staff development programs.

Environmental Sustainability members have been selected from all campus locations and constituencies in order to ensure all facets of the College are represented. Membership of the Environmental Sustainability Team are reviewed and adjusted each fall in order to ensure that the Team maintains a broad representation of the College community.

NIC has been a member of the Pan-Canadian Protocol for Sustainability since 2010 and, by signing the protocol; we have pledged to maximize our contribution to a sustainable future. We are committed to our role as a community leader in environmental stewardship.

NIC has been a BC Hydro Power Smart Partner since 2002, committing to doing our part to save energy and create a culture of sustainability, adopting the principles of energy efficiency into our ongoing business management practices, and upgrading our existing facilities with energy conservation measures.

Carbon Offsets

North Island College was carbon neutral in 2013. This was achieved through the key achievements for emissions reduction and sustainability and through carbon offsets purchased from the Pacific Carbon Trust. The in-scope carbon offsets tCO₂e emissions in 2013 amounted to 1,074 tonnes, based upon the 2013 building energy data, paper use, and fleet information entered into Climate Action Secretariat's SMARTTool data entry program and the GHG measurements based upon this data.

Key Achievements for Emissions Reduction & Sustainability

Canada Green Building Council presented the final elements of the Leadership in Energy and Environmental Design (LEED) Canada Certification for the Gold Rating achieved this year for the North Island College's Trades Training Centre located at the Comox Valley Campus. This building has brought the college forward in new technologies and identified opportunities to apply to the college facilities. This building is the first LEED targeted building in the Comox Valley and as such has generated considerable attention. As an educational value of the green building features to inspire and educate occupants and interested parties about the benefits of sustainable building and practices, guided tours are provided by North Island College to various groups and individuals upon request.

North Island College's faculty has developed technology enabling learners in distant locations as far reaching as Denver, Alaska and Hawaii to conduct laboratory experiments remotely. The Remote Web-Based Science Laboratory (RWSL) is a suite of audio, video, hardware and software that allow students to control and collect real data from actual science lab equipment in real time over the internet. Encouraging people in disparate, low density areas to learn, work, and stay where they live has an added benefit of supporting these communities by retaining skilled work forces. RWSL has garnered attention throughout North America for its innovative approach to distance and online learning.

The educational use of interactive, videoconference courses for distance classes provides students opportunities to pursue education where they live. From Ucluelet to Port Hardy, North Island College offers Interactive Television (ITV) classes, allowing students to participate in lectures from the nearest main campus, reducing the requirement to travel while allowing students to ask questions and discuss course material in real-time. Because the students live in many different communities on Vancouver

Island, the varied experiences and perspectives available to the class is a special added benefit of ITV learning.

The College has installed two Electric Vehicle (EV) Charging Stations at the Campbell River campus which is available to staff, students, and the general public at no charge.

North Island College's Datatel Portal & Datatel Colleague web portal technology continues to be improved to provide increased electronic communications and accessibility to information among the College's staff and students. The portal is used for managing education-related tasks, scheduling, reviewing grades and class assignments, mailboxes, calendaring, task management, targeted communications, online collaborations of spaces and tools, as well as online data storage and information aggregators. By blending all of the academic and administrative processes across the institution into one fully integrated enterprise, operations will be optimized, unified access to different online systems will be provided, and the college will be better able to support student success. The Datatel Portal and Datatel Colleague support reductions in printing, and supports implementation of environmentally sustainable practices.

The Human Resources department has been one of the early adopters of the use of ImageNow at North Island College, utilizing ImageNow in two ways. The first is for scanning of electronic files which allows for receipt of electronic documents (i.e. appointment letters) that can be directly uploaded to ImageNow without having to print the document, which also reduces use of paper in Payroll as the documents can be accessed without printing. The second utilization is ImageNow workflows which allows for the creation of and processing of electronic documents between departments in the College. The Human Resources department is in early stages of using ImageNow workflows, but as more departments at the College fully implement the ImageNow product, the College anticipates being able to utilize even more workflows and reduce our paper use.

Lighting upgrades continue to take place at North Island College. A major lighting upgrade in Campbell River at the Heritage Lands Education Complex and at the Vigar Vocational Centre in 2013 included changing T-12 lighting fixtures with T-8's and replacing incandescent exit signs with LED exit signs. Lighting upgrades in 2013 in the Campbell River Vigar Vocational Centre will realize an estimated average saving of 39,773 KWh, and a lighting upgrade at the Ucluelet Learning Centre will realize an estimated saving of 2,694 KWh. The Comox Valley and Port Alberni campus and the Tebo Vocational Centre have been having older inefficient T-12 ballast fixtures changed for T-8 ballasts as the fixtures require replacing. Energy efficient LED lighting is replacing the existing lighting in the Raven Hall art gallery and in the Shadbolt Art Centre Building.

The Comox Valley Campus Master Plan, issued in April 2013 (https://portal.nic.bc.ca/employee_resources/facilities/Documents/NIC%20Master%20Plan%20Report%20May%2016%202013.pdf), is committed to promoting sustainable thinking for campus development and planning projections. Establishing policy and introducing initiatives to achieve a practical sustainable campus is a high priority. This plan emphasizes sustainable practices which allow for

campus growth and increased population while protecting the natural landscape of forested and undergrowth. All design and development proposals require a sustainability report to be submitted outlining proposed sustainable measures. Sustainable measures are to include the natural environmental, water conservation, energy efficiency and atmospheric emissions, construction materials and resources, and the indoor environment.

Removal and replacement of old carpeting in 7 buildings on 2 campuses was done with new LEED quality commercial carpet tile with a high percentage of recycled product and a Zero VOC glue. The old broadloom carpeting was reclaimed and recycled through the *Interface* FLOR reentry 2.0 programs which reclaims existing carpet tile or broadloom and is recycled as raw material for car parts, carpet padding, industrial matting or energy. Current technologies used by Interface allows them to manufacture product with at 64 – 75% total recycled content, including more than 30% post-consumer recycled content. By participating in *Interface* FLOR's ReEntry 2.0 carpet reclamation program, North Island College's environmental effort and stewardship diverted **9,000** pounds of carpet from the Comox Valley Campus and **4,500** pounds of carpet from the Port Alberni campus from the landfill.

Other key achievements for 2013 include, but are not limited to:

- Replacement of several existing low efficiency gas furnaces with new high efficient furnaces.
- Implementation of Microsoft Lync for videoconferences, reducing travel.
- Installation of copy counters on photocopying machines, tracking paper use.
- Students continue to pay to use photocopiers and printers, encouraging less paper use.
- Bicycle supplied by the College to on-site security rather than using vehicle.
- Installation of water bottle fountains in the Comox Valley and Port Alberni Campuses to reduce the number of water bottles reaching the landfills.
- Continuation of kitchen composting and deep fryer oil recycling.
- As a component of the design coordination of public pathways and landscaped berms at the Comox Valley Campus in coordination with Vancouver Island Health Authority (VIHA) as part of the pre-construction works for the new hospital construction site, North Island College supplied and paid for the water for the irrigation of the new landscaped berms containing approximately 700 new trees and 500 new shrubs.
- Retrofitting programmable thermostats to allow better temperature control of buildings, both for programming and for daily temperature adjustments.
- Photocopiers have been reprogrammed to enable scanning documents rather than just copying.
- We continue to support community initiatives such as 'Bike to Work Week' and work with local community and governments to support initiatives and awareness.
- Recycling program was implemented at the Ucluelet learning center.
- The College continues to work as a Power Smart Partner with BC Hydro to reduce energy consumption.

Emission Reduction Goals for 2014

The College will continue to educate users and increase awareness of ongoing efforts to become carbon neutral. Projects already in motion for 2014 to decrease carbon offsets and reduce water use include:

- Mechanical HVAC upgrades for the Comox Valley Campus.
- Direct Digital Control upgrades to allow better temperature control of the buildings, both for programming and for daily temperature adjustments.
- Washroom upgrades including replacing existing fixtures with low-flow toilets, hands-free low-flow taps, and hands free paper towel dispensers to reduce water and paper use. Upgrades will also include replacing old metal toilet partitions that are being sent to a metal recycler with new partitions that are solid plastic with 90% or better recycled content.
- The College continues to explore opportunities to increase recycling in all college communities and to encourage carpooling and use of public transportation. The possibility of coordinating a common shared bus terminal between the North Island College and the adjacent new hospital site in Courtenay is being investigated to promote the use of public transit. North Island College is also working on a pedestrian/bicycle pathway project that will connect Port Alberni's new high school with North Island College's Port Alberni campus along the north side of Echo Park.
- Investing in energy efficient upgrades to existing infrastructure.
- Bringing in real time building energy metering for public education and awareness.



2013 Carbon Neutral Action Report (CNAR) - Part 2 ACTIONS

Created Friday, May 02, 2014

Updated Wednesday, May 28, 2014

<https://fluidsurveys.com/surveys/cas-z/2013-cnar-form-bps-actions/6e332843ca9432cebb094f5bfc42df1d/>

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Please complete the following sections of the 2013 Carbon Neutral Action Report form. Save your work frequently to prevent it from being lost. You can also save a copy for your own use as either a WORD or PDF file using the buttons at the bottom of each page.

This is Part 2 of the Carbon Neutral Action Report form. This section reports on actions taken to reduce emissions during the 2013 calendar year. This information will be included in your final Carbon Neutral Action Report posted on the Ministry of Environment website.

When the form is complete press the submit button on the last page to automatically submit the information to the Climate Action Secretariat (CAS). Do not press submit before you are ready – this may result in a loss of work.

In addition to completing this survey (Part 1 2), you are required to submit your completed Overview (Executive Summary) and Self-Certification Checklist. The 2013 Overview template was included in the email sent and can also be found on the LiveSmart leaders Community.

Please ensure you meet the following reporting deadlines:

A DRAFT 2013 CNAR is due to CAS by March 31, 2014. The draft is comprised of the Overview ONLY (no executive sign-off required).

The FINAL 2013 CNAR is due to CAS by May 30, 2014. The final 2013 CNAR includes Part 1 Part 2 survey form and Overview.

The Self-Certification Checklist is due to CAS by May 15, 2014.

For more information about the Carbon Neutral Government process, please refer to *Becoming Carbon Neutral 2013*, or should you have any questions please contact climateactionsecretariat@gov.bc.ca.

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Organization Name

North Island College

Actions Taken to Reduce Emissions

1) Stationary Fuel Combustion, Electricity (Buildings):

Indicate which actions were taken in 2013:

Performed energy retrofits on existing buildings

Yes

Built or are building new LEED Gold or other "Green" buildings.

No

Undertook an evaluation of overall building energy use.

Yes

Please list any other actions taken to reduce emissions from Buildings:

Lighting upgrades at the Heritage Lands Education Complex in Campbell River. This building is owned jointly by North Island College and School District 72.

Replacement of several existing low efficiency gas furnaces with new high efficiency furnaces.

Retrofitting programmable thermostats to allow better temperature control of buildings, both for programming and for daily temperature adjustments.

Lighting upgrades at the Ucluelet learning center, the Campbell River Vigar Vocational Centre and the Port Alberni & Comox Valley Campuses.

A detailed energy audit report completed in June 2013 summarized an energy analysis which outlined potential for annual electrical savings of 21% of 2012 consumption and anticipating a reduction of greenhouse gas emissions by 57 tonnes of CO₂e if implemented.

A detailed exterior lighting analysis was completed in August 2013 for School District # 72. This analysis includes the Timberline/North Island College building, also known as the Heritage Lands Education Complex, that is jointly owned equally between the School District and the College.

The College continues to work as a Power Smart Partner with BC Hydro to reduce energy consumption.

2) Mobile Fleet Combustion (Fleet and other vehicles):

Indicate which actions were taken in 2013:

Do you have a fleet?

Yes

Replaced existing vehicles with more fuel efficient vehicles (gas/diesel)

No

Replaced existing vehicles with hybrid or electric vehicles

No

Reduced the overall number of fleet vehicles

Yes

Took steps to drive less than last year

Yes

Please list any other actions taken to reduce emission from fleet:

Car Pooling was encouraged, and our Bike to Work Week was highly publicized. Ongoing talks with BC Transit to improve their service so it is more usable for staff and students.

The College has installed two Electric Vehicle (EV) Charging Stations at the Campbell River campus which is available to staff, students, and the general public at no charge.

3) Supplies (Paper):

Indicate which actions were taken in 2013:

Used less paper than previous year

No

Used only 100% recycled paper

No

Used some recycled paper

Yes

Used alternate source paper (Bamboo, hemp, etc.)

No

Please list any other actions taken to reduce emissions from paper use:

North Island College's Datatel Portal & Datatel Colleague web portal technology continues to be improved to provide increased electronic communications and accessibility to information among the College's staff and students. The Datatel Portal and Datatel Colleague supports reductions in printing, and supports implementation of environmentally sustainable practices.

The Human Resources department is in early stages of using ImageNow workflows, but as more departments at the College fully implement the ImageNow product, the College anticipates being able to utilize even more workflows and reduce our paper use.

Copy counters were installed on photocopying machines, tracking paper use.

Students continue to pay to use photocopies and printers, encouraging less paper use.

Photocopiers have been reprogrammed to enable scanning documents rather than just copying.

Recycling program was implemented at the Ucluelet learning centre.

Actions Taken to Reduce Emissions - continued

Explain how you plan to continue minimizing emissions in 2014 and future years:

Mechanical HVAC upgrades for the Comox Valley Campus.

Improve natural ventilation options (part of HVAC upgrades).

Exterior Lighting Upgrades to reduce power usage.

Direct Digital Control upgrades to allow better temperature control of the buildings, both for programming and for daily temperature adjustments.

The College continues to explore opportunities to increase recycling in all college communities and to encourage carpooling and use of public transportation. The possibility of coordinating a common shared bus terminal between the North Island College and the adjacent new hospital site in Courtenay is being investigated to promote the use of public transit.

North Island College is also working on a pedestrian/bicycle pathway project that will connect Port Alberni's new high school with North Island College's Port Alberni campus along the north side of Echo Park.

Invest in energy efficient upgrades to existing infrastructure.

Bring real time building energy metering for public education and awareness

If you wish to list any other "sustainability actions" outside of buildings, fleet, paper and travel check "yes". This reporting is optional.

Yes

Actions to Promote Sustainability and Conservation - Optional

The following are actions that fall outside the scope of the *Carbon Neutral Government Regulation*, but which many organizations still undertake and may wish to report on. This section is optional for reporting.

Business Travel

Created a low-carbon travel policy or travel reduction goal (Low-carbon: Lowest emission of greenhouse gases per kilometre per passenger)

(No response)

Virtual Meeting Technology

Installed web-conferencing software (e.g., Live Meeting, Elluminate, etc.)

Yes

Made desktop web-cameras available to staff

Yes

Encourage alternative travel to meetings (e.g., bicycles, public transit, walking)

(No response)

Encourage carpooling to meetings

Yes

Education and Awareness

Have created Green, Sustainability, Energy Conservation, or Climate Action Teams.

Yes

Provided resources and/or dedicated staff to support these teams

No

Provided behaviour change education/training for these teams (e.g., community-based social marketing)

(No response)

Established a sustainability/green awards or recognition program

(No response)

Support green professional development (e.g., workshops, conferences, training)

(No response)

Planning for Climate Change

Have assessed whether extreme weather events and/or long term changes in climate will affect our organization's business areas

(No response)

Long term changes in climate have been incorporated into our organization's decision making.

(No response)

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Actions to Promote Sustainability and Conservation - Optional (continued)

Staff Awareness and Education

Provided education to staff about the science of climate change

(No response)

Provided education to staff about the conservation of water, energy, and raw materials

(No response)

Provided green tips on staff website or in newsletters

Yes

Alternate Work/Commuting Options

Allow for telework/working from home

(No response)

Staff have the option of a compressed work week

(No response)

Commuting by foot, bicycle, carpool or public transit is encouraged

Yes

Shower or locker facilities are provided for staff/students who commute by foot or by bicycle

Yes

Secure bicycle storage is provided

(No response)

Other Sustainability Actions

Establish a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models

(No response)

Put in place a potable water management strategy to reduce potable water demand of building-level uses such as cooling tower equipment, toilet fixtures, etc. and landscape features

Yes

Have put in place an operations policy to facilitate the reduction and diversion of building occupant waste from landfills or incineration facilities

Yes

Have implemented a hazardous waste reduction and disposal strategy (Hazardous Waste: E.g., electronics including computer parts and monitors, batteries, paints, fluorescent bulbs)

Yes

Have incorporated minimum recycled content standards into procurement policy for consumable, non-paper supplies (e.g., writing instruments, binders, toner cartridges, etc.)

(No response)

Established green standards for goods that are replaced infrequently and/or may require capital funds to purchase (e.g., office furniture, carpeting, etc.)

Yes

Incorporated lifecycle costing into new construction or renovations

(No response)

Please list and other sustainability actions you wish to report not included in the previous list.

Reduce/Reuse/Recycle initiatives such as waste reduction (i.e. water bottle fill stations to replace bottled water), improved/enhanced recycling programs, education/communication to reduce printing and improved/enhanced composting practices.

Energy reduction initiatives such as enhanced use of programmable thermostats, low-energy lights and motion-activated/timer lights.

Transportation initiatives such as promotion/support for alternative (to single occupant car) commuting methods and being an advocate for improved public transit options for College community.

Community Engagement /Education initiatives include provision of easy access to sustainability ideas and information via North Island College website and portal, facilitation of dialogue about sustainability issues among the College community and support for the integration of sustainability into programming/curriculum (where appropriate) and staff development programs.

2013 Greenhouse Gas emissions were also reduced indirectly when the removal and replacement of old carpeting in 7 buildings on 2 campuses was done with new LEED quality commercial carpet tile with a high percentage of recycled product and a Zero VOC glue. By participating in InterfaceFLOR's ReEntry 2.0 carpet reclamation program, North Island College's environmental effort and stewardship diverted 9,000 pounds of carpet from the Comox Valley Campus and 4,500 pounds of carpet from the Port Alberni campus from the landfill.

Washroom upgrades started in 2013 that will be completed in 2014 include replacing existing fixtures with low-flow toilets, hands-free low-flow taps, and hands free paper towel dispensers to reduce water and paper use. Upgrades will also include replacing old metal toilet partitions that are being sent to a metal recycler with new partitions that are solid plastic with 90% or better recycled content.

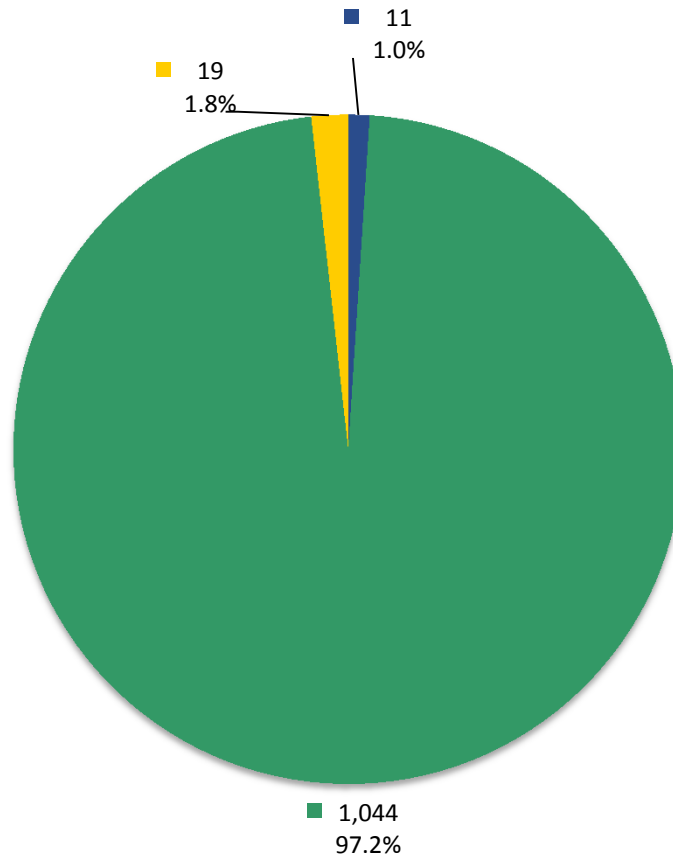
In coordination with Vancouver Island Health Authority as part of the pre-construction work for the new adjacent hospital construction site, North Island College supplied the water for the irrigation of new landscaped berms containing approximately 700 new trees and 500 new shrubs.

Continuation of kitchen composting and deep fryer oil recycling.

Installation of water bottle fountains in the Comox Valley and Port Alberni Campuses to reduce the number of water bottles reaching the landfills.

*Staff carpooling is encouraged with staff through the use of the carpool information board on the North Island College portal. Three parking stalls were designated as carpool stalls in 2012.
The number of bike racks on campus was increased in 2012.*

North Island College Greenhouse Gas Emissions by Source for the 2013 Calendar Year (tCO₂e*)



Total Emissions: 1,075

- Mobile Fuel Combustion (Fleet and other mobile equipment)
- Stationary Fuel Combustion (Building Heating and Generators) and Electricity
- Supplies (Paper)

Offsets Applied to Become Carbon Neutral in 2013 (Generated May 21, 2014 2:41 PM)

Total offsets required: **1,074**. Total offset investment: **\$26,850**. Emissions which do not require offsets: **0** **

*Tonnes of carbon dioxide equivalent (tCO₂e) is a standard unit of measure in which all types of greenhouse gases are expressed based on their global warming potential relative to carbon dioxide.

** Under the *Carbon Neutral Government Regulation of the Greenhouse Gas Reduction Targets Act*, all emissions from the sources listed above must be reported. As outlined in the regulation, some emissions do not require offsets.