

2011 Carbon Neutral Action Report



Executive Summary



Demands on health care continue to increase each year as populations grow and age. More complex needs, including a surge in chronic diseases, also require proactive planning and the most efficient delivery and use of health care resources. To accommodate for growth, we need to build and expand our infrastructure. And, in doing so, we must ensure we consider the environmental impact, minimizing harm and taking actions to reduce our carbon footprint wherever possible.

The Vernon Jubilee Hospital Polson Tower, which opened in September 2011 and was designed to the LEED Gold Standard, is a great example of how Interior Health has taken positive action. This new seven storey tower is 231,000 square feet in total and meets high environmental standards in the areas of: sustainable site development, water efficiency, energy efficiency, materials selection, and indoor environmental quality.

In June 2011, Interior Health was recognized for its leadership in sustainability and received the Energy & Environmental Stewardship Award from the Canadian College of Health Leaders (CCHL) — the first organization in Western Canada to receive this award.

Over the last several years, Interior Health has also placed an increasing focus on measurement and accountability. We now have detailed energy consumption information for all of our sites and this information is being shared with managers and supervisors so they can address areas of concern. These measurement efforts have positioned us to better manage our utilities and decrease our carbon footprint.

I invite you to read our fourth annual Carbon Neutral Action Report which provides an overview of Interior Health's environmental activities for the 2011 calendar year, including both accomplishments and actions initiated. I am proud of the progress we've made to date, and the efforts we continue to make to improve our environmental accountability.

A handwritten signature in black ink, appearing to read 'R. Halpenny'.

Dr. Robert Halpenny
President & Chief Executive Officer



Strategic Direction

OUR VISION

To set new standards of excellence in the delivery of health services in the Province of British Columbia.

OUR MISSION

Promote healthy lifestyles and provide needed health services in a timely, caring, and efficient manner, to the highest professional and quality standards.

OUR VALUES

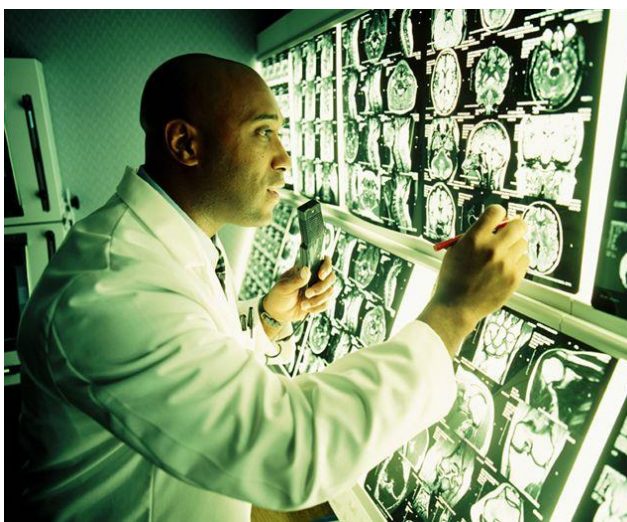
- Quality – We are committed to safety and best practice.
- Integrity – We are authentic and accountable for our actions and words.
- Respect – We are courteous, and treat each other as valued clients and colleagues.
- Trust – We are free to express our ideas.

OUR GOALS

1. Improve Health and Wellness.
2. Deliver High Quality Care.
3. Ensure Sustainable Health Care by Improving Innovation, Productivity, and Efficiency.
4. Cultivate an Engaged Workforce and a Healthy Workplace.

OUR GUIDING PRINCIPLES

- Innovative
- Clear & Respectful Communication
- Continual Growth & Learning
- Teamwork
- Equitable Access
- Evidence-based Practice

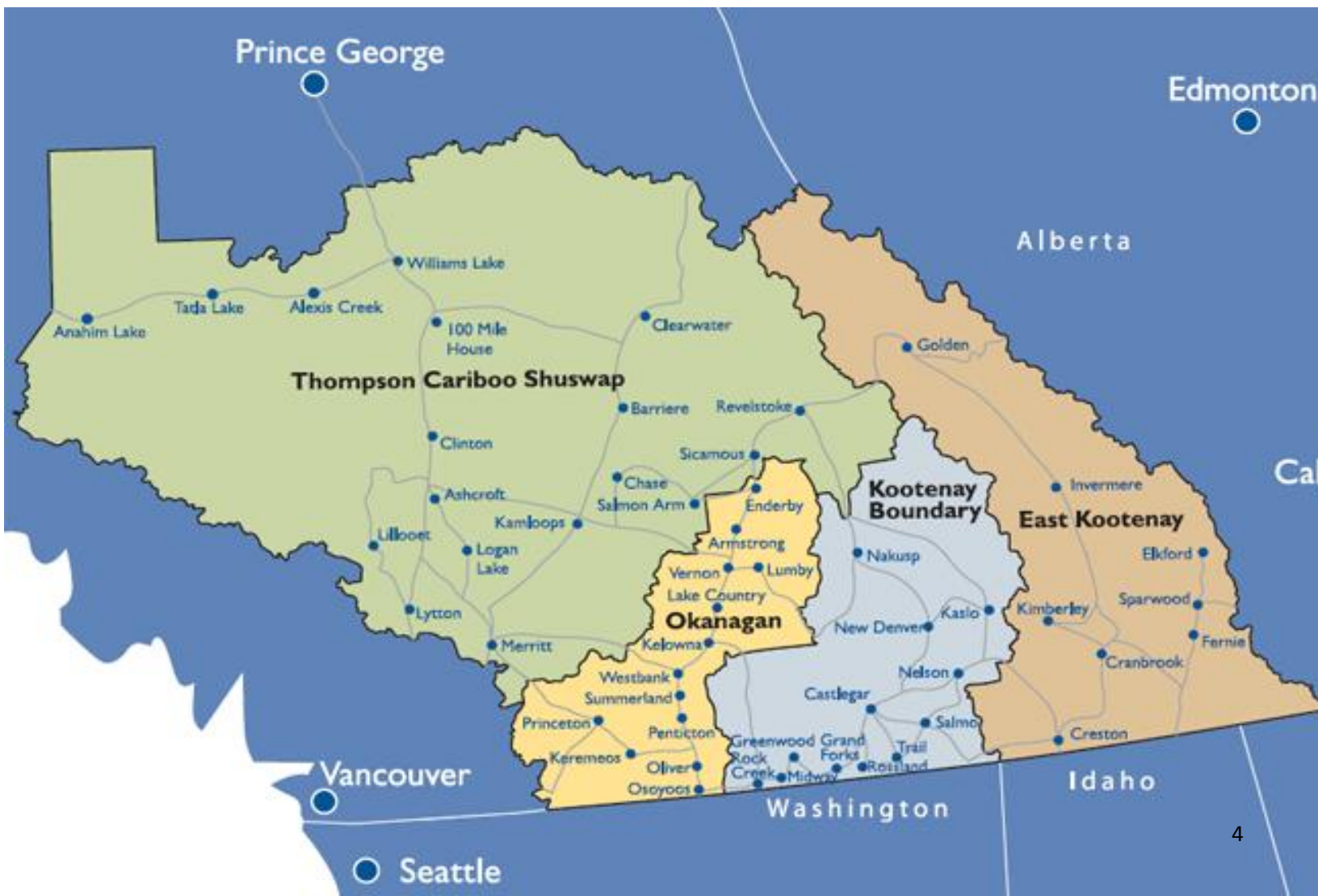


Background

Interior Health was established as one of five geographically-based health authorities in 2001 by the Government of British Columbia. It is responsible for ensuring publicly-funded health services are provided to residents of Interior Health. Interior Health provides services across a vast geographic region to an aging and growing population. Interior Health's operations are complex and vary from large urban cities such as Kelowna and Kamloops to smaller rural communities such as Chase and Sparwood. The climate also varies within Interior Health's 216,000 square kilometre region from the southern interior of the province to the Cariboo Chilcotin to the Rocky Mountains to the Canada–US border. A considerable amount of travel and numerous buildings and related infrastructure are required to provide high quality care to a region of this scale.

Interior Health Quick Facts

- ❖ Annual Budget: \$1.8 billion
- ❖ Area Population: 742,000
- ❖ Employees: 18,239
- ❖ Physicians: 1,478
- ❖ Acute Beds: 1,299
- ❖ 6,257 Residential & Assisted Living Beds
- ❖ 58 Municipalities & 95 Unincorporated
- ❖ 53 First Nation Communities
- ❖ 7 Regional Hospital Districts



Emissions Reduction Activities

Actions Taken to Reduce Greenhouse Gas Emissions in 2011

There is an old management adage that says “you can't manage what you don't measure” and it is still very relevant and accurate today. In fact, at Interior Health this is a key management philosophy that has also been woven into the fabric of our management culture.



In December 2010, Interior Health (IH) purchased utility management software from FAME Asset Management Solutions. In early 2011, we engaged the vendor and requested an enhancement that would allow for utility consumption to be normalized for weather and allow for the generation of cost avoidance graphs and tables. Today, IH has robust analytical abilities and can share timely meaningful information with plant managers, supervisors, and other stakeholders. Custom reports are generated by the online tool, allowing plant managers and supervisors to log into the software and quickly retrieve their building performance data. Given that approximately 95% of the carbon emissions and 98% of carbon taxes for Interior Health are derived from buildings, this investment was crucial and strategic.



Health care buildings typically have a 70 year lifespan and bringing these older facilities to current energy performance targets can be challenging. Moving forward, it's crucial that adequate planning be undertaken to ensure the construction and ongoing usage of a facility is sustainable. In 2006, IH built the Hillside Acute Psychiatric Facility in Kamloops, which was the first LEED Gold Standard Certified inpatient facility in Canada. This was an instrumental first step for IH and we now ensure all new builds and planning for future buildings follow these same standards.

The table below provides an overview of the facilities built since 2006, and those planned to open over the next several years; these buildings all incorporate LEED Gold standards and account for approximately 950,000 square feet or 17% of IH's owned portfolio:

| Year | City | LEED Gold Standards |
|------|------------|----------------------------------|
| 2006 | Kamloops | Hillside Acute Psychiatric |
| 2008 | Lytton | Lytton Health Centre |
| 2009 | Salmon Arm | Emergency & Diagnostic Imaging |
| 2010 | Kelowna | IH/UBC Clinical Academic Campus |
| 2011 | Vernon | VJH Polson Tower |
| 2012 | Kelowna | KGH Centennial Building |
| 2012 | Kelowna | KGH Dr. Walter Anderson Building |
| 2016 | Kelowna | Interior Heart & Surgical Centre |



Interior Health's Green Team has been up and running since 2008 and now stands at 150 dedicated volunteers. Recent internal surveys continue to indicate that most staff are passionate about sustainability. Interior Health recognizes the efforts of this team and appreciates the challenges they face.

In the summer of 2011, the Green Team issued a request for proposal within Kelowna for the purpose of selecting the greenest hotel. The RFP contained over sixty questions that covered energy, water, housekeeping, waste management, sustainability culture, proximity to key IH sites, transit, and food/beverage. The Best Western Plus Kelowna Hotel and Suites was the successful respondent to the RFP.

IH managers and staff who spend approximately 1,300 room nights in Kelowna per year are strongly encouraged to stay at this preferred hotel.



Where opportunities arise, Interior Health uses its size and scale to influence its partners and stakeholders to take action to green up their operations. Not only is this the right approach to ensure a reduction in our ecological footprint; it's a must when these steps also decrease the cost of delivering health services. In 2009, IH partnered with Medi-Van, a private operator, to transport low acuity patients between hospitals within the Okanagan. In the summer of 2011, Interior Health

provided the financing to enable Medi-Van to upgrade one of its older fleet vehicles, which used a lot of fuel and had higher maintenance costs, to a new Honda Odyssey minivan. IH will be reimbursed over time for the financing through operational savings. The Honda Odysseys are 46% more fuel efficient and, considering ever-increasing fuel prices and the high utilization of this service, a lot of carbon emissions have been avoided.

↓ 46%

The three foundational principles that are universally accepted with respect to consumption are: Reduce, Reuse, and Recycle. Health care is a large participant within the Canadian economy representing approximately 10% of gross domestic product. A large portion of that activity is the use of supplies and equipment to provide high quality health services. Due to high clinical quality standards and the need for strict infection control practices, many of our supplies are single use and end up in our landfills.

1



Interior Health is pursuing options to minimize waste being sent to landfills. Unused supplies from operating rooms are being saved by environmentally-conscious staff. These supplies, along with surplus equipment that is near the end of its life according to Canadian standards, are being shipped to developing countries.

2



Local non-profit organizations such as the Okanagan Gleaners, North Okanagan Gleaners, MASH Team and environmentally-minded residents volunteer their time to pick up these supplies/equipment from Interior Health facilities. They are stored and shipped out in containers.

3



4



In 2011, six containers were shipped, and these supplies and equipment enabled health services to be provided in Haiti, Congo, Zimbabwe, Nicaragua, and Ethiopia.

5

Passionate leaders, comprising both nurses and physicians, also volunteer their time and pay out-of-pocket to travel to Boaco, Nicaragua for ten days to perform surgeries for local residents and to provide clinical training for local practitioners.





Over the last decade, Interior Health has been recognized with a number of awards for its leadership on environmental sustainability. Being first is certainly not easy as it entails taking risks and introducing programs that may not be embraced by all stakeholders. However, Interior Health recognizes that certain actions must be taken as they are the right thing to do, even though they may not be popular or universally accepted. By taking these actions we open the door and enable others to follow. In the years ahead, Interior Health will expand on its environmental journey, implementing new initiatives and continuing to make a difference.



Interior Health is the first organization in Western Canada to receive the Energy & Environmental Stewardship Award from the Canadian College of Health Leaders (CCHL).

Plans to Continue Reducing Greenhouse Gas Emissions (2012 – 2014)

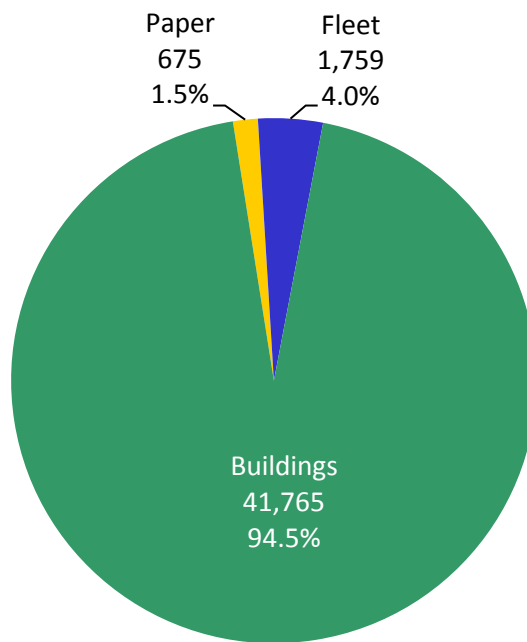
Interior Health has set a solid foundation for environmental sustainability and is looking forward to continuing to take action on environment initiatives. There will not be any significant changes in direction or focus over the next year, as the portfolio is currently positioned strategically to enable success. This means Interior Health will continue to work on the following initiatives:

- Increasing the Regional Green Team membership to ensure all regions are represented along with all professional groups.
- Sharing best practices and stories with staff to educate and inspire them to take action on the environment.
- Benchmarking of utility data to seek opportunities for capital improvements and/or behaviour change.
- Launching energy behaviour campaigns at select sites to decrease demand by 5%.
- At Interior Health's larger acute sites, work with multi-stakeholder groups to change staff and physician behaviour from single occupancy vehicles to alternative transportation. Parking continues to be a challenge and the health authority's priority is to deploy capital funding to improve clinical operations.
- Reviewing innovative solutions for the treatment of bio-waste. Currently the majority of bio-waste is shipped out of province for incineration.
- Seeking opportunities to embed sustainability into our Food Services portfolio.
- Opening the LEED Gold designed Centennial Building and Dr. Walter Anderson Building at Kelowna General Hospital, as well as planning and design work for the LEED Gold designed Interior Heart & Surgical Centre building at Kelowna General Hospital.
- Assessing the technical and economic feasibility of connecting Parkview Place and the Enderby Community Health Centre (PVP) to the Enderby District Heating System (DHS). This system uses wood waste from local landfills in a biomass boiler to heat local municipal and commercial buildings within the Enderby city limits.
- Assessing the technical and economic feasibility of using biomass boilers at all sites requiring boiler replacements.
- Adding insulating blankets to hot water heating equipment (pumps, valves, strainers, heat exchangers, etc.) located in mechanical and boiler rooms. Sites that use expensive propane will be targeted first to reduce heat losses.
- Enrolling all large gas consuming sites into the FortisBC Gas program for either high-level energy assessments or more detailed energy audits.
- Supporting Interior Health and BC Hydro in the push for Health Shared Services BC to implement Desktop Power Management (DPM) on all PCs that are eligible to be turned off.
- Continuing with enrolling building operators in energy-conservation training programs offered in-house and by third parties like Natural Resources Canada, FortisBC, and BC Hydro.

2011 Greenhouse Gas Emissions

Consumption data was compiled from utility vendors and suppliers to determine IH's carbon footprint for the 2011 calendar year. The following chart provides an overview of IH's emissions by source. The majority of IH's emissions are derived from fossil fuels (natural gas/propane) to heat health care facilities.

By Source for the 2011 Calendar Year (tCO₂e*)



Total Emissions: 44,199

Offsets Applied to Become Carbon Neutral in 2011

- Total offsets purchased: 44,127
- Total offset investment: \$1,103,175
- Emissions which do not require offsets: 72 **

*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.

It was estimated that fugitive emissions comprise less than 0.01% of Interior Health's total emissions, and the ongoing effort to collect or estimate emissions from this source annually is disproportionately onerous. Thus, these emissions meet both the requirement to be below 1% of Interior Health's total emissions and the requirement to be onerous to collect. For this reason, emissions from this source have been deemed out-of-scope and are not included in Interior Health's total greenhouse gas emissions profile or offset purchase.

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| Actions Towards Carbon Neutrality | | | | | | | |
|---|----------------------------|---|---|--|---|------------|--------------------------|
| The actions listed below contribute to a reduction in greenhouse gas emissions from sources for which public sector organizations are responsible under the carbon neutral government regulation of the <i>Greenhouse Gas Reduction Targets Act</i> . | | | | | | | |
| Action | Status (as of 12/31/11) | Performance to Date (as of 12/31/11) | | Steps Taken in 2011 | Steps Planned for 2012 -2014 | Start Year | End Year |
| Mobile Fuel Combustion (Fleet and other mobile equipment) | | | | | | | |
| Vehicle fuel efficiency | | | | | | | |
| Replace vehicles with more fuel-efficient models | Ongoing/In Progress | 29 | % of vehicles are fuel- efficient models | Purchased 42 new vehicles that replaced old inefficient vehicles. Purchahase included 19 hybrids and 12 Honda Fits. | Continue to allocate budget and replace older fleet with new hybrids. | 2002 | No End Date (Continuous) |
| Replace larger vehicles with smaller models according to fleet "right-sizing" principles | Ongoing/In Progress | | | Where appliable smaller models replaced larger vehicles. Other factors, such as safety and geographic region the vehicle will be used is considered. | Will continue to pursue oppurtunities to right size as this not only saves fuel used, but decreases vehicle maintenance costs. | 2002 | No End Date (Continuous) |
| Perform regular fleet maintenance specifically to improve fuel-efficiency | Ongoing/In Progress | | | All fleet vehicles were regularly maintained, which included inspections of various components of the vehicle. | Continue to maintain fleet to ensure fuel efficiency is optimal and ensure fleet has a long life. | 2002 | No End Date (Continuous) |
| Behaviour change program | | | | | | | |
| Provide fleet driver training to reduce fuel use | In Development | | | | Select target groups based on historical fuel consumption efficiency and provide information/training to enhance fuel mileage. | 2012 | No End Date (Continuous) |
| Encourage carpooling in fleet vehicles | Ongoing/In Progress | | | Encouraged staff who travel to internal education events to share vehicles by carpooling. Majority of staff carpool when attending meetings in different communities due to large geographic region. | Continue internal messaging and reminders to departments to carpool. This will include using our website and other tools to get the message out. Over the last few years, IHA's staff behaviour is changing and more staff are carpooling. | 2008 | No End Date (Continuous) |
| Promote alternatives to fleet vehicle travel where possible (e.g., bicycles, public transit, walking) | Ongoing/In Progress | | | A few staff have used alternative transportation modes to travel between sties. This topic is gaining more traction and several staff and leaders are supportive of encouraging more staff to use alternative transportation. | Take the momeuntum and remove barriers for staff, inlcuding lanunching specific target campagins in Kelowna and other IH communities. | 2010 | No End Date (Continuous) |
| Stationary Fuel Combustion, Electricity and Fugitive Emissions (Buildings) | | | | | | | |
| Planning/management | | | | | | | |
| Enrol in a building energy benchmarking program (e.g., GREEN UP) | Ongoing/In Progress | 100 | % of surveys completed | Particpate in the Canadian Federal Government NRCAN / Statscan commerical building energy benchmarking survey's for twenty two sites. | Continue participating in this benchmarking program. | 2008 | No End Date (Continuous) |
| Reduce office space (square meters) per employee | Ongoing/In Progress | | | Reduce office space requirements per employee (i.e. sq ft) through consolidation of office locations | Development of strategies to take advantage of opportunities is ongoing. | 2009 | No End Date (Continuous) |
| Install a real time metering system (e.g. Pulse, Reliable Controls, Houle Controls) | Ongoing/In Progress | 45 | % of buildings with a real time metering systems installed on both electricity and gas meters | Five out of eleven buildings have both gas and electricity usage being benchmarked through the BC Hydro Continuous Optimization program using online Energy Management Information System (EMIS) through Pulse Energy. Two additional buildings have electricity monitored only. | The two buildings with electricity monitored will have gas meters being added in Spring 2012. The remaining four buildings in the BC Hydro continous optimization program will be rolled out in 2012. Penticton Regional Hospital is being enrolled into a similar building optimization program piloted by Fortis BC Electric. | 2010 | No End Date (Continuous) |
| Owned buildings | | | | | | | |

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| Action | Status (as of 12/31/11) | Performance to Date (as of 12/31/11) | | Steps Taken in 2011 | Steps Planned for 2012 -2014 | Start Year | End Year |
|---|----------------------------|---|--|--|--|------------|-----------------------------|
| Establish energy performance baseline for owned buildings | Ongoing/In Progress | 100 | % of owned buildings have an established energy performance baseline | Energy consumption information was collected and inputted into a utility tracking software system (FAME). All sites have baselines that have been adjusted for weather. Plant Managers and Supervisors have been provided custom reports for their region. Moreover, utility benchmarking was conducted and information is being provided to managers on a quarterly basis, whcih allows them to take action. | Continue to share benchmarking information with managers on a regular basis. Information will be used to indentfy sites for capital improvements and energy projects. | 2008 | No End Date (Continuous) |
| Achieve LEED NC Gold certification at a minimum for new construction or major renovations | Ongoing/In Progress | 1 | % of owned buildings are certified LEED NC Gold or LEED NC Platinum | Vernon Jubilee Hospital Polson Tower was designed to LEED Gold Standard and was opened in September 2011. This new tower includes 231,000 total square feet. | In May 2012 IH will open its Centennial Building addition at Kelowna General Hospital. This LEED Gold designed building will include 360,000 total square feet. IH will continue to design all new buildings to LEED Gold Standards | 2008 | No End Date (Continuous) |
| Incorporate integrated design process into new construction or during renovations of owned buildings | Ongoing/In Progress | 100 | % of buildings built or renovated since start year indicated used the integrated design process | All new construction and major renovations follow this process. IH has been approved to build a \$430 million expansion to Kelowna General Hospital for the Interior Heart & Surgical Center tower. Planning work is taking place, which include incorporating LEED Gold Standards. Energy Manager was consulted and provided recommendation for sustainability and energy efficiency. | This is a standard practice for IH. | 2008 | No End Date (Continuous) |
| Incorporate a refrigerant management strategy into regular building management/maintenance to reduce fugitive emissions | Ongoing/In Progress | | | All plant maintenance personnel are aware of the legislative requirements regarding refrigerant capture/containment and the importance of early leak detection. All units over five tons undergo annual testing. | This requirement will continue. | 2008 | No End Date (Continuous) |
| Perform energy retrofits on existing, owned buildings | Ongoing/In Progress | 4 | % of owned buildings have undergone energy retrofits since start year indicated | Two lighting upgrades are in progress for Gateby (GIF) in Vernon and Columbia View Lodge (CVL) in Trail. Three extensive energy upgrades were completed in 2011. These projects include Queen Victoria Hospital (QVH) in Revelstoke, South Okanagan General Hospital (SOGH) in Oliver and Royal Inland Hospital (RIH) in Kamloops. | Plans are to install premium efficiency motors at Shuswap Lake General Hospital (SLGH) in Salmon Arm and Kootenay Boundary Regional Hospital (KBRH) in Trail. Lighting upgrades are planned for the Chase Health Centre (CDF) in Chase, Bastion Place (BSP) in Salmon Arm, the parkade at Royal Inland Hospital (RIH) in Kamloops, and F.W. Green Home (FWG) in Cranbrook. Retrofits to the Domestic Hot Water (DHW) systems at Cottonwoods (CTW) in Kelowna and Gateby (GIF) in Vernon are also being considered. | 2009 | No End Date (Continuous) |
| Retrofitting owned buildings | | | | | | | |
| Upgrade mechanical systems (heating, cooling, ventilation) during retrofits | Ongoing/In Progress | 43 | % of retrofits since start year indicated had heating, cooling, and ventilation systems upgrades | Mechanical upgrades have been completed at Queen Victoria Hospital (QVH) in Revelstoke, Royal Inland Hospital (RIH) in Kamloops, and South Okanagan General Hospital (SOGH) in Oliver. Mechanical upgrades include installation of Variable Frequency Drives (VFD) , boiler upgrades, hybrid gas/electric heating systems, heat recovery, and installation/optimization of Building Automation Systems (BAS). | Planned mechanical upgrades include more Variable Frequency Drives (VFD), premium efficiency motors and boiler upgrades at various sites. Equipment insulating blankets are to be installed and their effect studies at the major propane-consuming sites. | 2009 | 2011 |

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| Action | Status (as of 12/31/11) | Performance to Date (as of 12/31/11) | | Steps Taken in 2011 | Steps Planned for 2012 -2014 | Start Year | End Year |
|--|----------------------------|---|--|--|--|------------|-----------------------------|
| Upgrade lighting systems during retrofits | Ongoing/In Progress | 57 | % of retrofits since start year indicated had lighting systems upgrades | Lighting upgrades have been completed at Golden District Hospital (GDH) in Golden, Queen Victoria Hospital (QVH) in Revelstoke, Elk Valley Hospital (EVH) in Fernie and South Okanagan General Hospital (SOGH) in Oliver. These measures include retrofitting existing T-12 fluorescent luminaries with T-8s, replacing incandescent lamps with CFLs and replacement outdoor lamps with ceramic Metal Halides. | Two lighting upgrades are in progress for Gateby (GIF) in Vernon and Columbia View Lodge (CVL) in Trail. Lighting upgrades are planned for the Chase Health Centre (CDF) in Chase, Bastion Place (BSP) in Salmon Arm, the parkade at Royal Inland Hospital (RIH) in Kamloops, and F.W. Green Home (FWG) in Cranbrook. | 2009 | 2011 |
| Upgrade/adjust control systems during retrofits | Ongoing/In Progress | 43 | % of retrofits since start year indicated had control system upgrades or adjustments | Optimization and upgrades have been completed at Queen Victoria Hospital (QVH) in Revelstoke, Royal Inland Hospital (RIH) in Kamloops and South Okanagan General Hospital (SOGH) in Oliver. These measures include optimization of algorithms, scheduling and temperature resets. | Upgrades to control systems will be completed at: - East Kootenay Regional Hospital (EKRH) in Cranbrook. - Swan Valley Lodge (SVL) in Creston. - Parkview Place (PVP) in Enderby. - Pleasant Valley Manor (PVM) in Armstrong. | 2009 | 2011 |
| Improve building insulation (including windows) during retrofits | Ongoing/In Progress | 14 | % of retrofits since start year indicated had insulation improvements | Building envelope sealing is been completed at Royal Inland Hospital (RIH) in Kamloops. These measures include sealing cracks and penetrations and replacing weather-stripping. | Thermal insulating blankets are to be custom made and installed on common hot water equipment (pumps, valves, strainers, bonnets, etc.) in boiler rooms. The effect regarding lower ambient room temperature and decreasing gas consumption is to be studied. Initial focus will be at the major propane-consuming sites of Queen Victoria Hospital (QVH) in Revelstoke, Golden District Hospital (GDH) in Golden, and Invermere District Hospital (IDH) in Invermere. | 2009 | 2013 |
| Install an on-site renewable energy demonstration project | Ongoing/In Progress | 29 | % of retrofits since start year indicated had on-site renewable energy components | Solar thermal heating of Domestic Hot Water (DHW) at the following two (2) sites have been completed: - Penticton Regional Hospital (PRH) in Penticton. - Summerland Health Center (SHC) in Summerland. | Revisit the five completed solar thermal and biomass studies to develop implementation strategy which include seeking alternative funding to make payback attractive. As energy prices increase and system prices decrease, renewable energy technology will be continuously revisited. A technical and economic feasibility study will be completed for using a solar wall at the Creston Valley Hospital (CVH) in Creston. Solar walls use baffled siding on southern walls to preheat cold outside air prior to being taken in by Air Handling Units. Using the large amount of East Kootenay winter sunshine's may be an attractive way to lower natural gas consumption when heating cold outside air. | 2009 | No End Date (Continuous) |
| Leased buildings | | | | | | | |
| Establish energy performance baseline for leased buildings | Ongoing/In Progress | 42 | % of leased buildings have an established energy performance baseline | Energy consumption information was collected and inputted into an energy software system (FAME). Note that 58% of IH's lease sites agreements bundle utilities cost into the lease, thus IH does would not have data. Baselines have been set and adjusted for weather. | Continue to collect and analyze data. Share utility consumption data with managers and occupants of space. | 2008 | No End Date (Continuous) |
| Develop a green lease policy that requires green features to conserve energy be included in all lease negotiations | In Development | | | | Planning to work with provincial health authorities on developing sustainability leasing requirements. | 2012 | No End Date (Continuous) |
| IT power management | | | | | | | |

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|--|----------------------------|---|--|--|---|------------|-----------------------------|
| Install power management software which shuts down computers outside of regular business hours | In Development | 25 | % of computers shut down automatically outside of regular business hours | IH participated in the BC Hydro "GREEN IT" study, completed by GreenHalo. This study provided justification for employing a desktop power mangement strategy. An internal audit showed that about 25% of elligible 9-to-5 PC's are shutdown at night. IH encouraged PC users to shutdown their PC manually at the end of the work day. Note that the responsibilities of IH desktops was shifted to the Health Shared Services BC (HSSBC), IH has shared their plans and expectation with HSSBC, but the final implementation will be HSSBC responsibility. | Due to the fact that this is one of the single most simple and effective solutions at decreasing energy consumption there is a high likelihood, that HSSBC will employ a DPM solution. | 2009 | No End Date (Continuous) |
| Apply auto-sleep settings on computer monitors and CPUs | Ongoing/In Progress | 100 | % of computers have auto-sleep settings applied | All of IH monitors have this setting. Staff are advised not to change settings as the settings help decrease power consumption and extend life monitors. | Will continue this practice. | 2001 | No End Date (Continuous) |
| Remove stand-alone printers, copiers, and/or fax machines and install multi-function devices | Ongoing/In Progress | 80 | % reduction in printers, copiers, and/or fax machines since start year indicated | IH continued its practice to remove stand alone printers. Please note, that in some cases due to unique program requirements and/or user requirements a stand alone printer is required. IH is replacing stand alone printers with multi-function devices (copy, fax, print, scan) that are shared by multiple users. | Continue to replace stand-alone equipment with multi-purpose when the opportunity arises. HSSBC will be evaluating the 'print and hold' strategy. | 2006 | No End Date (Continuous) |
| Apply auto-sleep settings on printers, copiers, fax machines, and/or multi-function devices | Ongoing/In Progress | 100 | % of devices have auto-sleep settings applied | Majority of IH's printers, copiers and fax machines have the auto sleep setting applied. | Will continue to purchase devices with this setting | 2009 | No End Date (Continuous) |
| Replace computers with ENERGY STAR models during regular computer upgrades | Ongoing/In Progress | 100 | % of computers are ENERGY STAR rated | All computer are Energy Star compliant. Furthermore, IH has taken steps to shift desktops to Ultra Slim Desktops (USDTs) which employ the lowest wattage power supplies. | Will continue to purchase ENERGY STAR rated devices and replace older desktops with USDTs. | 2001 | No End Date (Continuous) |
| Appliances and electronic devices | | | | | | | |
| Replace refrigerators with ENERGY STAR models or source ENERGY STAR models for future purchases | Ongoing/In Progress | 100 | % of fridges are ENERGY STAR rated | 100% of all new refrigerators purchased are Energy Star rated. Existing refrigerators may not be and will not be replaced until they are no longer operable or require considerable repairs to maintain operation. | All new refrigerators are to be Energy Star rated. | 2001 | No End Date (Continuous) |
| Replace other appliances or electronic devices with ENERGY STAR models or source ENERGY STAR models for future purchases | Ongoing/In Progress | 100 | % of appliances (if available) are ENERGY STAR rated | 100% of all new appliances purchased are to Energy Star rated, if available. | Appliances will be replaced as they wear out and funding is made available. | 2009 | No End Date (Continuous) |
| Replace desk lamp incandescent bulbs with compact fluorescent (CFL) bulbs or source more efficient desk lamps for future purchases | Ongoing/In Progress | 95 | % of task lighting that is energy efficient lighting. | Majority of the incandescent lamps have been replaced with more energy-efficient compact fluorescent lamps (CFLs). | Incandescent lamps will be phased-out entirely for most equipment. Certain specialty equipment will still employ incandescent lamps due to required functionality constraints or inability to source a low energy alternative. Examples of these include OR lamps, projector bulbs and other specialty equipment. | 2008 | No End Date (Continuous) |
| Behaviour change program | | | | | | | |
| Ask staff to unplug electrical equipment or switch off power bars when not in use | Ongoing/In Progress | | | Staff were reminded and encouraged to shut down electrical devices that are not being used. This is a common concern for Green Team members and a very easy one to indenfity. | Will continue to get this messaging out and use incentives to reward positive behaviour. | 2009 | No End Date (Continuous) |
| Ask staff to close blinds at end of work day to reduce heating/cooling demands | Ongoing/In Progress | | | Where applicaable some windows do not have blinds) staff are being encouraged to close blinds. At times this is done by evening cleaning crews. | Will continue efforts. | 2008 | No End Date (Continuous) |

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|---|----------------------------|---|--|---|--|------------|-----------------------------|
| Encourage use of stairs instead of elevators | Ongoing/In Progress | | | Staff were encouraged to use stairs when possible. The stairwell painting at Cranbrooks (East Kootenay Regional Hospital) completed in 2010 recieved a lot of positive feedback which was shared both internally and externally. Explored other locations in IH that would be able to paint stairwells. | Would like to expand on the Cranbrook stairwell painting by creating partnerships in other communities. Will be targeting Kelowna General Hospital and the local high schools to rollout silmiliar initiative. | 2010 | No End Date (Continuous) |
| Provide reminders for turning off lights (e.g., signs, stickers, messages) | Ongoing/In Progress | | | IH has signed an agreement with BC Hydro to launch the "Workplace Conservation Awareness Program". This program provides many of the tools and posters to help change staff behaviour. | Roll out the Workplace Conservation Awareness Program and continue to post the posters in appropriate places. | 2011 | No End Date (Continuous) |
| Promote hot water conservation | In Development | | | Staff are very careful with using hot water. In the past staff washed hands with soap and warm water and now staff use hand sanitizing solutions | Will continue historic efforts and better understand options for reducing hot water in Support Services (laundry, food services and housekeeping). | 2010 | No End Date (Continuous) |
| Other Stationary Fuel Combustion, Electricity, and Fugitive Emissions Actions | | | | | | | |
| Ultra Slim Desktop (USDT) PCs. | Ongoing/In Progress | | | When older PC's need replacing and/or upgrading IH replaces them with slim desktops. In 2011 IH added 407 slim desktops, bringing the total to 2,800 slim desktops. These ultra slim desktops use significantly less energy, require less GHG and physical footprint. | A signifiant upgrade will be made in 2012 and IH will continue to upgrade its desktops as older machines reach their targeted life span. | 2008 | No End Date (Continuous) |
| Security Contract additional requirement - turn off lights. | In Development | | | | Planning to include in new contract with security vendor that the expectation that security staff check lighting during their rounds. All unnecessary lighting, including lighting duringin non operational hours will be expected to be turned off, where appropraite. | 2012 | No End Date (Continuous) |
| Wotkplace Conservation Awareness Program | Ongoing/In Progress | | | Signed agreement with BC Hydro after consultation with internal stakeholders. Agreed to include three hospital sites with significant electrical consumption. The facilities selected are Vernon Jubilee Hospital, Shuswap Lake General Hospital (Salmon Arm) and Royal Inland Hospital (Kamloops). The program commenced with an energy conservation awarness survey to gauge baseline attitudes towards energy conservation at all three sites accompanied by a site visit by eenergy management team. Survey results were shared with all sites and contest winners notified. Twenty one new Green Team members were also recruited through on-site promotion. | Green team members will be engaged at each site to facilitate the rollout of the subsequent phases on the program. This will include quarterly campaigns to encourage the turning off of lights and the shutting off of eligible comptures and computer monitors followed up by an awards and recognition at the end of each program year. | 2011 | 2013 |
| Supplies (Paper) | | | | | | | |
| Paper Type | | | | | | | |
| Purchase 30% post-consumer recycled paper | Ongoing/In Progress | | | IH purchased a portion of its total paper as 30% recycled. In addition, IH purchased FSC (Forest Stewardship Council) approved paper. FSC-certified paper contributes to conservation, responsible management, and community level benefits for people near the forests that provide paper. | Continue to purchase 30% recycled paper and FSC certified paper. | 2005 | No End Date (Continuous) |
| Printer/document settings | | | | | | | |

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| Action | Status (as of 12/31/11) | Performance to Date (as of 12/31/11) | | Steps Taken in 2011 | Steps Planned for 2012 -2014 | Start Year | End Year |
|--|----------------------------|---|---|---|--|------------|-----------------------------|
| Switch networked printers and photocopiers to automatic double-sided | Ongoing/In Progress | | | Majority of corporate printers have been defaulted to duplex printing. In some of IH's clinical setting we are unable to duplex print because of the various software systems, report formats, and behavior change. | Continue to default printers to duplex when the opportunity arises. Replace old printers with newer models that have capability to duplex. | 2005 | No End Date (Continuous) |
| Electronic media in place of paper | | | | | | | |
| Install collaborative software for electronic editing (e.g. SharePoint, Groove, etc.) | Ongoing/In Progress | 100 | % of staff workstations with software installed | IH adopted SharePoint to enhance collaboration among team members and increase efficiency for retrieving documents and making decisions. IH has Intranet sites and SharePoint teams sites to allow departments, portforlios and teams to significantly reduced paper consumption. | Continue to use SharePoint and other technologies as needed to carry out business. | 2007 | No End Date (Continuous) |
| Post materials online that were previously printed | Ongoing/In Progress | | | There is a lot of focus within IH to reduce paper. IH's new InsideNet allows for departments, teams and various programs to post material online. With enhancements for navigation completed, more and more IH staff are posting information online. | Continue to educate staff and department on using the IH InsideNet and making it easier to find information. | 2010 | No End Date (Continuous) |
| Switch to an electronic payroll notification system in place of paper pay stubs | Ongoing/In Progress | | | Staff received their payroll stubs electronically for many years. In July 2008, staff where able to receive payroll information on "I-Site", however an email via "Mox" was still being send to employees. Some staff would print these emails. Effective Nov 2010 the "Mox" emails were eliminated and staff can only view payroll information on "I-site" where it cannot be printed. This action will save a lot of paper for IH. In 2011, work was undertaken to allow for T4 slips to be availible online for staff. Many staff choose to only keep a electric copy and do not print T4. | Continue to provide payroll information on "I-site" which restricts staff from printing paper | 2010 | No End Date (Continuous) |
| Behaviour change program | | | | | | | |
| Train staff to use collaborative software for electronic editing (e.g. SharePoint, Groove, etc.) | Ongoing/In Progress | | | IH encouraged staff and departments to put common documents and information on its Intranet. Many staff have been trained to edit IH's Insidenet. Not only have these staff helped improve IH's productivity but they have put a large dent in IH's paper consumption. | Continue promoting SharePoint and the IH InsideNet to staff. | 2005 | No End Date (Continuous) |
| Encourage staff to hold paperless meetings or presentations (i.e., no handouts) | Ongoing/In Progress | | | IH's Senior Executive Team along with other key managers and all Board Director Members were provided with laptops in order to decrease paper and increase productivity. Staff adapted to the laptop and have taken steps to minimize paper usage. | Continue to change staff behaviors through education, and empowerment. | 2008 | No End Date (Continuous) |
| Other Paper Supplies Actions | | | | | | | |
| Support Services switched to a more environmentally paper towel for all of IH sites. | ongoing/In Progress | | | Researched alternative towel, performed product testing and evaluation. Selected a more environmental friendly paper towel that includes a higher recycled content and rolled out to all sites. | Continue to monitor performance and feedback from clients. | 2010 | No End Date (Continuous) |

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| Actions to Reduce Provincial Emissions and Improve Sustainability | | | | | | | |
|---|----------------------------|---|---|---|--|------------|-----------------------------|
| The actions listed below contribute to a reduction in greenhouse gas emissions from sources that fall outside of the reporting requirements defined in the carbon neutral government regulation of the <i>Greenhouse Gas Reduction Targets Act</i> . Public sector organizations can optionally use this section to report on actions that will help British Columbia meet its provincial greenhouse gas reduction targets, engage the public, and improve environmental sustainability across all aspects of their organization. | | | | | | | |
| Action | Status (as of 12/31/11) | Performance to Date (as of 12/31/11) | | Steps Taken in 2011 | Steps Planned for 2012 -2014 | Start Year | End Year |
| Business Travel | | | | | | | |
| Policy and budgeting | | | | | | | |
| Create a low-carbon travel policy or travel reduction goal | Ongoing/In Progress | | | In 2011 IH selected a green preferred hotel in Kelowna for business travel. In 2009 IH created a Green Travel Policy. IH's finance department produces travel expense reports, which are shared with various key leaders. | Continue to educate staff on policy and make updates where appropriate. | 2008 | No End Date (Continuous) |
| Virtual meeting technology | | | | | | | |
| Install web-conferencing software (e.g., Live Meeting, Elluminate, etc.) | Ongoing/In Progress | 100 | % of computers have web-conferencing software installed | Majority of computers have the ability to web conference. The primary software that is used and promoted within IH is MS Live Meeting. | Continue to encourage staff to use MS Live Meeting. | 2008 | No End Date (Continuous) |
| Make desktop web-cameras available to staff | Ongoing/In Progress | | | Many staff have ordered web-cameras and are using them for meetings. IH's IMIT department supports the use of web-cameras and provides authorization to staff who order web-cameras. With more and more staff wanting more flexibility in their work and signaling a preference to work from home, there is a shift taking place with staff switching their desktops to laptops. All of the laptops have built in web-cameras. | Continue to implement and expand personal web camera's where applicable. | 2008 | No End Date (Continuous) |
| Install video-conferencing units in meeting rooms or provide mobile video-conferencing units | Ongoing/In Progress | | | Due to IH's large geographic region, video conferencing technology has been placed in meeting rooms. Staff are continually encouraged to video conference to save money and provide a better work life balance. Travel is discouraged during winter month's due to staff safety. | Continue to add video conferencing technology in meeting rooms when feasible and appropriate. | 2003 | No End Date (Continuous) |
| Behaviour change program | | | | | | | |
| Train staff in web-conferencing | Ongoing/In Progress | | | IH's IMIT education department took a leadership role in pushing this web conferencing technology to staff. This technology is very easy to use and staff are able to self learn as well. | Continue to educate and train staff to use web-conferencing. | 2008 | No End Date (Continuous) |
| Train staff in video-conferencing or provide technical support for video-conferencing set-up | Ongoing/In Progress | | | Trained staff to operate video conferencing technology. IMIT provides dedicated technical support for all video conferencing. All rooms with video conference have instructions available for staff troubleshoot and get the system running. | Continue to educate and train staff to use web-conferencing. | 2005 | No End Date (Continuous) |
| Encourage staff to consider virtual attendance/presentation at events where possible | Ongoing/In Progress | | | Managers encouraged staff to utilize teleconference or video conference for meetings instead of travel. Many departments have reduced the number of face to face meetings by substituting them for teleconferences. | Continue to encourage staff to use teleconferencing or video conference to decrease travel cost and enable better work life balance. | 2007 | No End Date (Continuous) |

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| Action | Status (as of 12/31/11) | Performance to Date (as of 12/31/11) | | Steps Taken in 2011 | Steps Planned for 2012 -2014 | Start Year | End Year |
|---|----------------------------|---|--|---|--|------------|-----------------------------|
| Encourage carpooling to meetings | Ongoing/In Progress | | | Encouraged staff who travel for internal education to share vehicles. Majority of staff carpool when attending meetings in different communities due to large geographic region. Staff have the ability to view fleet cars and see who has signed them out and where the vehicle is traveling to, allowing them the opportunity to connect directly and carpool. | Continue to encourage staff to carpool. | 2007 | No End Date (Continuous) |
| Education, Awareness, and Engagement | | | | | | | |
| Team-building | | | | | | | |
| Create Green, Sustainability, Energy Conservation, or Climate Action Teams with executive endorsement | Ongoing/In Progress | | | Site based green teams were consolidated into a Regional Green Team in 2010. In addition to the Regional Green Team, IH has a Support Services Green Team and a Senior Environmental Advisory Committee that provides overall direction to the portfolio. Approximately 155 members participate in these teams | Continue the momentum and increase membership. | 2008 | No End Date (Continuous) |
| Provide resources and/or dedicated staff to support teams | Ongoing/In Progress | | | IH has deployed sufficient resources including, a dedicated Manager Sustainability & Waste Operations along with a full time Energy Manager who is funded by BC Hydro. In September with funding from Fortis BC an Energy Specialist was hired. | Continue to provide corporate resources to ensure Green Teams are successful and IH meets it provincial requirements. | 2008 | No End Date (Continuous) |
| Awards/Recognition | | | | | | | |
| Establish a sustainability/green awards or recognition program | Ongoing/In Progress | | | Staff appreciation and recognition is important. It is even more important when staff are volunteering their personal time to green the organization. The Green Team members are thanked frequently for their efforts and it's well known within IH that they are doing great work. In December, IH's Chief Executive Officer wrote a thank you letter to the green team members to acknowledge these efforts. Have piloted a "Green Stars" program to recognize outstanding individual initiatives that are self launched by staff. | Continue to recognize outstanding achievement and roll out the "Green Stars" program. | 2010 | No End Date (Continuous) |
| Staff Professional Development | | | | | | | |
| Support green professional development (e.g., workshops, conferences, training) | ongoing/In Progress | | | Dedicated sustainability staff to attend conferences and workshops with BC, most of which are within IH's region. Energy Manager training includes the following: Completion of the Association of Energy Engineers (AEE) course and successful passing of the exam to be a Certified Energy Manager (CEM) ; IH courses include 'Indigenous Cultural Competency' course; BC Hydro courses/workshops include 'Energy Manager Forum' and the '2011 Power Smart Forum'. | Future Energy Manager training will include the following BC Hydro courses/workshops at the 'Energy Manager Forum', the '2012 Power Smart Forum', and the 'Energy Manager Education Series' workshops; other courses provided by APEGBC will be attended as a part of P.Eng. requirements. | 2009 | No End Date (Continuous) |
| Staff awareness/education | | | | | | | |
| Provide education to staff about the science of climate change | In Development | | | Co-founder of Greenpeace Bill Darnell along with local activist environmental leader Angela Reid provided sustainability presentation to staff in October. Angela is one of 250 Canadians personally trained by Former Vice President All Gore to deliver "theclimatoproject" to IH staff. | Plan to bring experts to continue the momentum within IH. | 2010 | No End Date (Continuous) |

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| Action | Status (as of 12/31/11) | Performance to Date (as of 12/31/11) | | Steps Taken in 2011 | Steps Planned for 2012 -2014 | Start Year | End Year |
|--|----------------------------|---|--|---|--|------------|-----------------------------|
| Provide education to staff about the conservation of water, energy, and raw materials | Ongoing/In Progress | | | Emails and other correspondence are shared with staff with respect to energy conservation. During Green Team meetings, IH's Energy Manager provides updates and answers staff questions. More and more staff are becoming aware of the need to conserve energy and other scarce natural resources. | Continue to educate staff and patients. | 2009 | No End Date (Continuous) |
| Provide green tips on staff website or in newsletters | ongoing/In Progress | | | The IH newsletter and other communication tools (In the Loop) are very effective channels to spread sustainability information as they reach a broad segment of IH's employees. Many articles and tips were inserted in 2011. IH updated its sustainability webpage on its external website. Weblink http://www.interiorhealth.ca/AboutUs/Accountability/EnvironmentalSustainability/Pages/default.aspx | Planning to create a separate newsletter for sustainability. Also will continue to explore all opportunities to increase staff awareness about sustainability, through tips and suggestions. | 2009 | No End Date (Continuous) |
| Provide sustainability education during new staff orientation | ongoing/In Progress | | | IH has an online orientation program, which includes a section for environmental sustainability. Staff are provided a high level overview of the program and encouraged to go to IH's sustainability website and to be part of the green team. | Update orientation information as needed. | 2009 | No End Date (Continuous) |
| Client/public awareness/education | | | | | | | |
| Provide education to clients/public about the conservation of water, energy, and raw materials | Ongoing/In Progress | | | Sustainability messaging was shared with stakeholders via, radio, newspapers and television on a few occasions. The media are a great channel to get messaging out. | Will continue to use media and do interviews for the purpose of educating the broader public. | 2009 | No End Date (Continuous) |
| Provide green tips on client/public website or in newsletters | Ongoing/In Progress | | | IH did a major overhaul of it external website. The sustainability section continues to remain front and center under the "accountability" tab along with the organizations financial information. The sustainability website was updated to allow users to more easily navigate and find information. | Will continue to maintain and update the sustainability website when needed. | 2009 | No End Date (Continuous) |
| Other Sustainability Actions | | | | | | | |
| Water conservation | | | | | | | |
| Establish a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models | In Development | | | Toilets have been replaced from the traditional 12 liters per flush to 6 liters per flush. Low-flow units are being specified for all replacement fixtures, including new construction and large renovations. | IH will continue to seek all opportunities to reduce water consumption. | 2009 | No End Date (Continuous) |
| 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 | Ongoing/In Progress | | | The Royal Inland Hospital cooling tower in Kamloops was replaced in 2009 with a low-energy, low-water consuming unit. | IH will continue to seek all opportunities to reduce water consumption. | 2006 | No End Date (Continuous) |
| Waste reduction/diversion | | | | | | | |
| Put in place an operations policy to facilitate the reduction and diversion of building occupant waste from landfills or incineration facilities | In Development | | | The use of foam cups within hospitals is problematic and concerning for our stakeholders. At Royal Inland Hospital in Kamloops a lot of work has been undertaken to reduce foam cup usage. A discount is being provided for re-useable mugs. At Kelowna General Hospital a pilot was launched on a few acute wards to substitute foam cups with reusable plastic jugs. This initiative faced some challenges and more work needs to be done to ensure its success. | To closely monitor foam cup consumption and take appropriate action where needed to shift behaviors. | 2010 | No End Date (Continuous) |

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| Action | Status (as of 12/31/11) | Performance to Date (as of 12/31/11) | | Steps Taken in 2011 | Steps Planned for 2012 -2014 | Start Year | End Year |
|---|----------------------------|---|--|---|---|------------|-----------------------------|
| Procurement (non-paper supplies) | | | | | | | |
| Implement sustainable purchasing program for cleaning products, disposable paper products and trash bags | In Development | | | In 2011, IH evaluated the pilot program launched in 2011 of switching to environmental friendly dish washing chemicals at four sites. The outcome of the evaluation was successful, the new product meets the product performance standards. In addition to the four pilot sites of Penticton Regional Hospital, Kelowna General Hospital, South Okanagan Hospital (Oliver), and Summerland Health Centre, the initiative will be expanded to four additional sites to include Vernon Jubilee Hospital, Vernon Noric House, Vernon Gateby House and Princeton General Hospital. | Continue to monitor performance and feedback from clients and expand to other IH sites where possible. | 2010 | No End Date (Continuous) |
| Building construction, renovation, and leasing | | | | | | | |
| Establish a policy to reuse materials where possible and divert construction and demolition debris from landfills and incineration facilities | Ongoing/In Progress | | | All new construction is being built to LEED Gold standards. This entails the minimization of landfill waste and proper handling and segregation recycled materials. The City of Vernon waste handling department has given IH glowing remarks about the proper handling of these streams in the construction of the Vernon Jubilee Hospital tower expansion. | This procedure will continue. | 2008 | No End Date (Continuous) |
| Indoor air quality | | | | | | | |
| Incorporate low volatile organic compounds (VOCs) standards into procurement policy for products such as paints, carpets, and furniture | Ongoing/In Progress | | | All new construction is being built to LEED Gold standards. This entails the minimization of VOC containing solvents, paints, flooring and furniture. | This procedure will continue. | 2008 | No End Date (Continuous) |
| Commuting to and from home | | | | | | | |
| Introduce telework/work from home policy | In Development | | | IH has rolled out a pilot for select excluded staff and departments in 2010. This pilot closed in 2011 and was evaluated. The outcome of the evaluation was positive and led to development of telework guidelines and policy. | Plan to rollout telework initiative when other major organizational projects slow down and/or are completed. | 2010 | No End Date (Continuous) |
| Encourage commuting by foot, bicycle, carpool or public transit | Ongoing/In Progress | | | Staff are reminded and encouraged to use alternative transportation when commuting. IH participated in both the 'Bike to Work Week' and 'Commuter Challenge' programs. | Continue to educate staff and influence behavior change to decrease green house gases and parking demand at IH sites. | 2008 | No End Date (Continuous) |
| Provide shower or locker facilities for staff/students who commute by foot or by bicycle | Ongoing/In Progress | | | IH has a few sites that provide locker facilities and showers. Where possible considerations are being made to provide showers. For instance, when selecting a lease site, this is one of the considerations. | Continue to find opportunities to build the infrastructure to allow staff to cycle to work. | 2007 | No End Date (Continuous) |
| Provide secure bicycle storage | Ongoing/In Progress | | | Many of IH sites have a secure bicycle storage. It is key to getting staff out of their cars. Through expansion of sites or selection of new lease sites, bicycle storage is considered. | Add secure bicycle storage where possible. | 2004 | No End Date (Continuous) |
| Modify parking fees or parking availability for staff/students | Ongoing/In Progress | | | IH has developed a parking strategy that seeks to meet future demand with future supply. One of the components of the plan is to get staff out of their vehicles and cycle, walk, or use local transit where applicable. IH's recently updated parking policy allows for rate/program adjustments to influence staff to use alternative transportation options. At some sites, dedicated parking stalls are being provided for those that carpool. | Continue to find innovative solutions to meet staff parking needs. | 2008 | No End Date (Continuous) |
| Other Sustainability Actions | | | | | | | |

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|---|----------------------------|---|--|--|--|------------|-----------------------------|
| Working with regions water suppliers to develop long-term water system improvement plans that maximize system efficiency and sustainability. | Ongoing/In Progress | | | Further defining the importance of urban runoff management to protect drinking water sources and integrating demand-side management as a key element for large water supply systems operations | Strengthen partnerships with suppliers and embed sustainability principals into their long-term plans. | 2005 | No End Date (Continuous) |
| Working with local governments to incorporate health outcomes into sustainability plans and regional growth strategies, including official community plans. | Ongoing/In Progress | | | Review of local government's long range planning to help support inclusion of health outcomes into the planning process | Continued development of working relationships with local governments around health outcomes and the planning process | 2008 | No End Date (Continuous) |
| Transportation Demand Management (TDM) Strategies to reduce vehicle dependency, improve air quality and active transportation options | Ongoing/In Progress | | | Working with local governments on TDM strategies within Kelowna and Vernon. Meet with stakeholder groups in Kelowna to find collaborative solutions. Completion of staff surveys at both sites. | Continue working with stakeholders on developing TDM plan for Kelowna General Hospital. UBC-Okanagan student report to be reviewed by TDM Working Group as part of an identification of short and long term options to relieve parking pressure at KGH site. | 2010 | No End Date (Continuous) |
| Supported "Safe Routes to School" to encourage active transportation for children to walk to school. | Ongoing/In Progress | | | Safe Routes to School plans are complete for three elementary schools in Vernon. This initiative will decrease the number of vehicles on the road and increase physical activity levels for children. | IH's Healthy Community Environment portfolio will support the rollout of two more elementary schools in Vernon. | 2010 | 2012 |
| Initiated two workshops to increase partnership among local governments and health authorities for the purpose of linking health to the built environment. | Ongoing/In Progress | | | Workshop: Collaborative Planning & Action for Community Wellness Feb 2011 drawing on the importance of health professionals and planners working together collaboratively to improve health outcomes | Developing workshops for Thompson-Nicola and Okanagan areas to identify local action plans for health | 2010 | No End Date (Continuous) |
| Member of healthy built alliance to develop policy and action for initiatives related to the built environment | Ongoing/In Progress | | | Participated in numerous teleconferences to develop strategies and resource tools for health professionals and local governments | Introducing a PHSA resource to local governments to link planning and health outcomes. | 2009 | No End Date (Continuous) |
| Strategic Partnerships with Vendors | Ongoing/In Progress | | | Encouraged and provided financing to our partner "Medi-Van", who transports low acuity patients between hospitals to upgrade one of their old fleet vehicles (i.e. Ford 350) which used a lot of fuel and had higher maintenance costs, to a new Honda Odyssey minivans. Interior Health will be paid over time for the financing through operational savings. The Honda Odysseys are 46% more fuel efficient. | Continue to work with vendors to find opportunities that create "win-win" solutions. | 2011 | No End Date (Continuous) |
| Changed Packing Material for Dinners at Home | Ongoing/In Progress | | | With IH's Dinners at Home program approximately 35,000 meals are send to client each year. In 2010, the lids were switched from hard plastic to saran wrap material seal. In 2011 an evaluation indicated that this change was successful, as it uses less material, reduces cost and more importantly provides a higher quality packaging along with higher degree of food safety to the end user. | Continue to monitor performance and feedback from clients. | 2010 | No End Date (Continuous) |
| Collaboration with local, provincial, and federal partner agencies to establish sustainable land-use practices that protect drinking water sources and reduce energy used for treatment | Ongoing/In Progress | | | Further defining the importance of urban runoff management to protect drinking water sources and integrating demand-side management as a key element for large water supply systems operations | Continue to build partnerships and collaborations with key stakeholders. | 2006 | No End Date (Continuous) |
| Preferred Green Hotel (Kelowna, BC) | Ongoing/In Progress | | | Regional Green Team, issued an Request for Proposal to select the greenest hotel in Kelowna. The Best Western Plus Kelowna Hotel and Suites was selected. Communication was shared with IH Managers to consider staying at this hotel when traveling for business. | Continue to seek opportunities to encourage staff to stay at this preferred hotel. | 2011 | No End Date (Continuous) |

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|--|----------------------------|---|--|---|---|---------------------|-----------------------------|
| Local government consultations to increase support for community members to live healthier lives as part of the Healthy Families BC Communities initiative. | Ongoing/In progress | | | Working internally with Community Integration Health Services to identify staff resources for this initiative. | Local government consultations held in Kamloops, Kelowna, Rossland and 100 Mile House. Follow-up with interested local governments to sign MOU for partnering and developing local action plans for health | 2011 | No End Date (Continuous) |
| Partnership with the Regional District of Central Okanagan to develop a model to evaluate health impacts from different land use scenarios. | Ongoing/In progress | | | Identified partner organization, agreement signed, and indicators defined | Health impact model developed and modeled used in comparison communities – Kelowna and Kamloops | 2011 | No End Date (Continuous) |
| Working with the Urban Development Institute(UDI) to identify for developers and planners the barriers within the built environment for community members with a chronic disease | Ongoing/In progress | | | Developed a presentation and other supporting material | Continue working with UDI chapters across IH to enhance knowledge on chronic diseases and impact to daily living within a planning framework | 2011 | No End Date (Continuous) |
| Voting member for the Penticton climate Action Advisory committee | Ongoing/In progress | | | To provide recommendations on; specific environmental, planning, building construction, and waste management goals, policies and bylaws and changes to operational protocols that would improve sustainability. To explore policies and practices to reduce corporate and community GHG emissions | Continue to provide recommendation to Council on goals, bylaws and policy changes to improve sustainability | 2010 | No End Date (Continuous) |
| Voting member of the Vernon Transportation Demand Management Committee | Ongoing/In progress | | | Identification of community issues and incentives and transportation demand management measures which are of benefit to the community to achieve the goal of 20% for all trips to be made by walking, biking and/or transit | Continue to provide recommendations for improvements to active transportation options | 2011 | No End Date (Continuous) |
| Airshed Management Plans | Ongoing/In Progress | | | Worked with Local Governments and encouraged the development of airshed management plans to involve air quality in the overall planning and zoning designations, and incorporate the utilization of resources in an efficient manner to reduce pollution and carbon load. | Make Health Protection staffing/resources availability to airshed management plan committees, provide input and participate in meetings, when required. Subsequent to Local Governments notifying the health authorities of their designate Health Liaison representative as per the requirements of PHA Section 83(2), will connect with representative and initiate planning. | 1997 | No End Date (Continuous) |
| Industrial Referral Response | Ongoing/In Progress | | | Reviewed industrial air discharge referrals and worked with industry and the Ministry of Environment (MOE) to respect health and carbon loading during the air quality MOE industry driven waste discharge permit issuance process. | Continue to provide input and support on waste discharge programs when required by industry or Ministry of Environment. | Started before 1995 | No End Date (Continuous) |