



An initiative from the Canadian Coalition for Green Health Care

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**The Canadian Coalition
for Green Health Care**

**Coalition canadienne pour
un système de santé écologique**

Housekeeping

- Attendees will be automatically muted for the duration of this webinar
- Please use the Q&A feature to enter your questions at any time during the session
- Answers to general queries about the GHS can be found in the [FAQ section](#)
- This session is being recorded. The slides and recording will be sent to all registrants and posted on the [GHS webpage](#)
- Contact Krishna at krishna@greenhealthcare.ca if you have any questions
- Please find survey links below. The deadline for submission is **Friday, October 1, 2021**

2019 data collection
survey

2020 data collection
survey

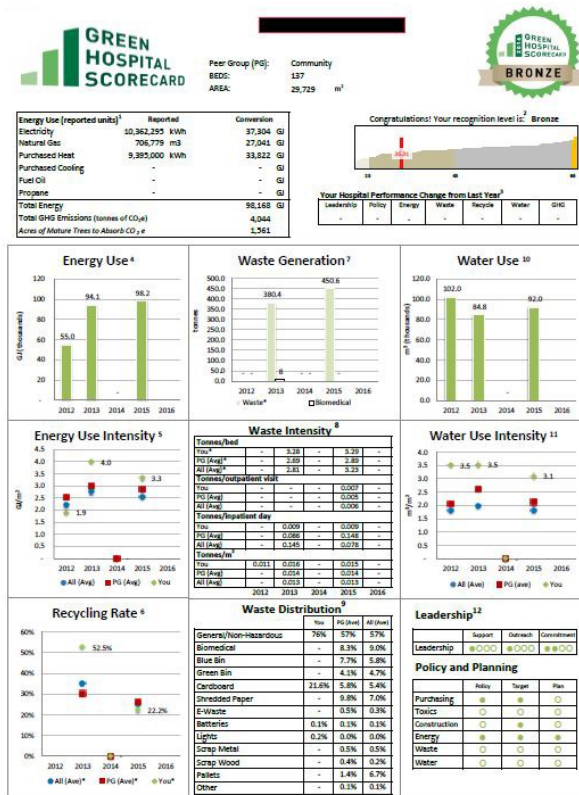
Agenda

1. GHS Introduction
2. What's New
3. General Information
4. Energy
5. Water
6. Waste
7. Pollution Prevention
8. Corporate Leadership, Planning and Management
9. Transportation
10. Food
11. Climate Change
12. Anaesthetic Gas
13. Energy Behaviour
14. Survey Completion
15. Membership
16. Looking Ahead
17. Q&A

Green Hospital Scorecard

Participating Hospitals receive:

- Individualised scorecard, benchmarking your progress in Energy, Water, Waste, Pollution Prevention, and Leadership.
- Be recognized as a Bronze, Silver, or Gold Leader in green health care
- Qualifying for the annual Green Health Care Awards.



Green Hospital Scorecard

- Only five sections weighted towards the final score
 - Energy: 40%
 - Water: 15%
 - Waste: 15%
 - Pollution Prevention: 10%
 - Leadership: 20%
- Other sections do not count towards final score, but extremely useful for GHS sector report
- Energy Behaviour section is an exception; does not count towards final score but evaluated independently for Energy Behaviour Award

Data Confidentiality

- The Coalition has managed the GHS since 2016
- The Coalition respects data confidentiality
 - Information from the GHS is stored on a secure platform.
 - Data de-identified for reports

2020 GHS Timeline



A huge thanks to our sponsors!

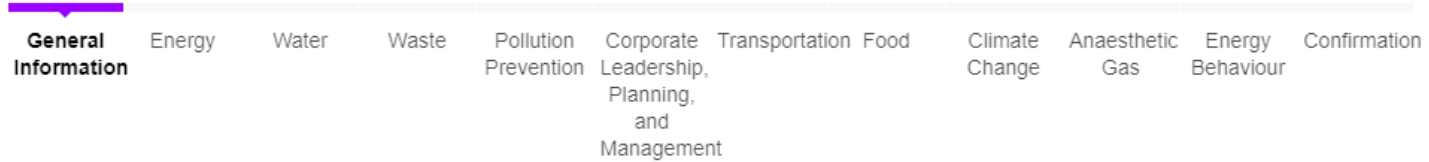


Medtronic

What's New

1. Collecting data for two calendar years: 2019 and 2020
2. Collaboration with Mazzetti and CHES for the IFHE 2022 awards
3. A few new questions
4. Visual changes
5. Quality of life improvements
6. Short feedback survey

Navigation



- Complete the first section, in order to navigate freely between sections
 - Navigate between sections by clicking the sections names on the progress bar at the top
 - Be sure to save so answers are not be lost if you navigate to a different section
- On the bottom of the survey, you can click 'Back' or 'Next' to navigate through the survey and return to sections to edit responses
- You must save before exiting the browser window

Back - General Information

Next Section - Water

Save

Saving Progress

- Can I start the survey and come back to it? **YES!**
- Click SAVE, and you will be presented with this window:

Your progress has been saved.

Copy or email the link below and return to your form to complete your submission.

Copy your form link:

https://www.cognitoforms.com/CCGHC/_2020GreenHospitalScorecardSurvey2019D

Email me my link:

Send

Sharing the Survey

- Forward your **form link** to anyone you wish to have access to the survey
- Note: they will be able to see and edit any responses that have been entered
- When they're finished, have them click **SAVE**
 - A prompt to email the link will show up once again
 - Your email link will still work and show the updated information.

General Information



General information

Hospital Site Name *

Include Organisation Name and Site Name, e.g. University Health Network - Toronto General Hospital. If your organisation is not on the list, please type it in.

If your facility does not have any inpatient beds please identify the building type:

If your building type is not on the list, please enter.

General information

Conditioned Floor Area

Conditioned floor area is restricted to air conditioned areas. This excludes underground parking and other large, maintained areas that are not common to all hospitals. Area must include all medical buildings. You may elect to include non-medical buildings if the energy, waste, and water data for these buildings can be reported consistently throughout the survey.

✕ Building 1

Conditioned Floor Area *

Unit *

Building Name *

Building Type *

Building Address *

Address Line 1

City

State / Province / Region

Postal / Zip Code

Canada



+ Add Building

- **Conditioned Floor Area** – numeric value of the floor size of air conditioned (heated and cooled) areas. Include all medical buildings.
- **Unit** – select “Square Feet” or “Square Metre”
- **Building Type** – select “Medical”; “Administrative”; “Mixed”; “Research” or “Other”

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General information

Total Beds *

Total Inpatient Days in 2019 *

An inpatient day is the actual number of days that beds are occupied by patients. "Total Inpatient Days" includes inpatient days in the following types of beds: acute, chronic (complex continuing care), general rehab, special rehab and mental health. This information may be obtained through hospitals' health records, decision support or finance departments. If there are issues obtaining data on inpatient days for your site please contact Krishna at krishna@greenhealthcare.ca.

Total Outpatient Visits in 2019 *

An outpatient visit can include any face to face visits: Ambulatory (ER) visits, day surgeries or surgical cases. This information may be obtained through hospitals' health records, decision support or finance departments. If there are issues obtaining data on outpatient days for your site please contact Krishna at krishna@greenhealthcare.ca.

General information

GHS participants over past six years, by peer group



- **Academic Hospitals** – All acute general and pediatric hospitals that are members of the Council of **Academic Hospitals of Ontario (CAHO)**.
- **Community Hospitals** – Acute care hospitals that do not fit the definition of a small or academic (teaching) hospital.
- **Non-Acute Hospitals** – Complex continuing care (CCC), rehabilitation, and mental health hospitals. Have stand-alone CCC or rehabilitation beds. They may or may not be members of CAHO.
- **Small Hospitals** – Have less than 3,500 weighted cases, a referral population of less than 20,000, and are the only hospital in the community.

General information

Contact First Name *

Contact Last Name *

Contact Title *

Email Address *

Phone Number *

Questions on the survey? Contact krishna@greenhealthcare.ca. You can also check out our [FAQs](#). Remember to save your progress!

Next Section - Energy

Save

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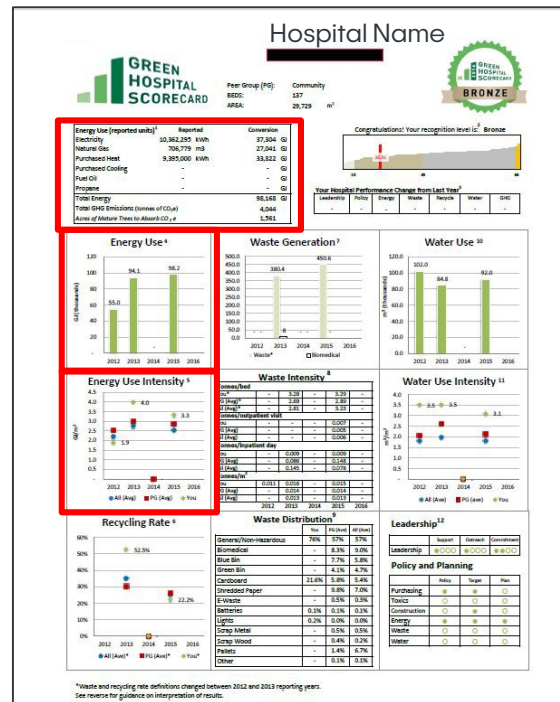


Energy

Total Energy & Total GHG Emissions

Energy Use

Energy Use Intensity



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Energy

The Energy section of the survey collects information on the hospital site's energy sources and use in 2018.

Please ensure that the information provided corresponds with the building data provided in the General Information section.

Fuel Types:

- District Heat: Heat purchased and consumed from a district energy company. This includes steam.
- District Cooling: Chilled water purchased and consumed from a district energy company. This includes deep water cooling.
- Exported Energy: Energy generated on site but not used on site.

What not to report:

- Vehicle fuel use
- Diesel use for backup power generation (unless backup power generation was needed for an unusually long period of time)
- Energy use of buildings that are not represented by the conditioned floor area reported in the survey

Energy

Where applicable, please provide your hospital site's energy consumption (in units billed) for the following:

Electricity	Unit - Electricity
<input type="text"/>	<input type="text"/>
Natural Gas	Unit - Natural Gas
<input type="text"/>	<input type="text"/>
Propane	<input type="text"/>
Fuel Oil	<input type="text"/>
District Heat	<input type="text"/>
District Cooling	Unit - District Cooling
<input type="text"/>	<input type="text"/>
Exported Energy	Unit - Exported Energy
<input type="text"/>	<input type="text"/>

- kWh
- m3
- GJ
- lbs
- BTU
- MMBTU
- litres
- ton-hr
- Other (Please Specify)

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If you use a form of district energy such as imported steam or deep water cooling, please describe the source and type of energy.

Please describe and include data for any other applicable energy sources used.

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Energy

Does your facility have a purchasing policy which stipulates that ENERGY STAR® products should be considered when purchasing when available? *

- ☐ Yes, provided policy details last year
- ☐ Yes, have policies to share
- ☐ No
- ☐ Don't know

Which of the following Natural Resource Canada energy tools/programs has your facility participated in or utilized?

	Yes	No	Do not know
Portfolio Manager	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
RETScreen Expert Energy Management Software	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Simple Savings Calculator	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Energy

Which renewable energy options has your facility already implemented? *

- ☐ Biofuels (eg. ethanol)
- ☐ Biogas energy (from landfill or digester gas)
- ☐ Biomass (eg. wood, algae)
- ☐ Deep lake cooling
- ☐ Geothermal
- ☐ Hydrogen
- ☐ Micro hydro systems
- ☐ Solar hot water
- ☐ Solar - photovoltaic
- ☐ Tidal energy
- ☐ Wave energy

☐

Which renewable energy options is your facility considering for the future? *

- ☐ Biofuels (eg. ethanol)
- ☐ Biogas energy (from landfill or digester gas)
- ☐ Biomass (eg. wood, algae)
- ☐ Deep lake cooling
- ☐ Geothermal
- ☐ Hydrogen
- ☐ Micro hydro systems
- ☐ Solar hot water
- ☐ Solar - photovoltaic
- ☐ Tidal energy
- ☐ Wave energy

☐

Energy

Distributed generation (DG), also called on-site generation or decentralized generation, is the term used for electricity generated from sources that are near the point of consumption, as opposed to centralized generation sources such as large utility-owned power plants. Distributed generation systems include on-site renewable energy, combined heat and power (CHP), and small natural gas-fuelled generators which are typically smaller in scale than the traditional generation facilities. These DG systems reduce the amount of energy lost in transmitting electricity because the electricity is generated near the point of consumption, and also help prepare the facility to better manage power outages which are occurring more frequently due to our changing climate.

Another term used is **Distributed Electricity Resources (DERs)**, which are electricity-producing resources (like renewables and CHP) but also include controllable loads that are connected to a local distribution system. Controllable loads include HVAC systems, electric water heaters and other appliances, and electric vehicles for which the facility manager can control electricity usage to avoid peak energy consumption times. Energy storage is also an important part of these systems to facilitate the time of energy use. For additional information on DERs click [HERE](#).

Energy

Has your facility discussed Distributed Generation (DG) or Distributed Electricity Resources (DERs) as part of your energy management strategy?

Renewable energy (including solar panels, wind energy etc.) *

- ☐ Yes, it is part of our energy management strategy
- ☐ Yes, it is in discussion
- ☐ No, not discussed, but may be of interest
- ☐ No, not interested at this time

Small natural gas-fuelled generators *

- ☐ Yes, it is part of our energy management strategy
- ☐ Yes, it is in discussion
- ☐ No, not discussed, but may be of interest
- ☐ No, not interested at this time

Controllable loads: electric water heaters and/or other electric appliances *

- ☐ Yes, it is part of our energy management strategy
- ☐ Yes, it is in discussion
- ☐ No, not discussed, but may be of interest
- ☐ No, not interested at this time

Combined heat and power plants

- ☐ Yes, it is part of our energy management strategy
- ☐ Yes, it is in discussion
- ☐ No, not discussed, but may be of interest
- ☐ No, not interested at this time

Controllable loads: HVAC systems

- ☐ Yes, it is part of our energy management strategy
- ☐ Yes, it is in discussion
- ☐ No, not discussed, but may be of interest
- ☐ No, not interested at this time

Controllable loads: electric vehicles

- ☐ Yes, it is part of our energy management strategy
- ☐ Yes, it is in discussion
- ☐ No, not discussed, but may be of interest
- ☐ No, not interested at this time

Controllable loads: electricity storage *

- ☐ Yes, it is part of our energy management strategy
- ☐ Yes, it is in discussion
- ☐ No, not discussed, but may be of interest
- ☐ No, not interested at this time

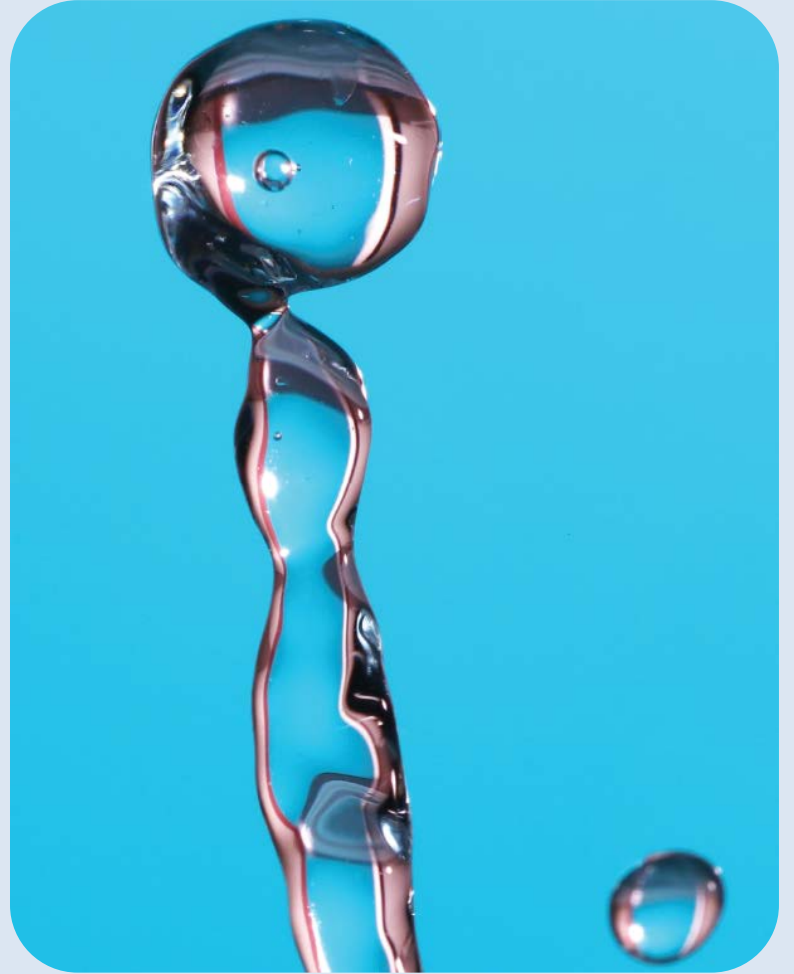
Did your facility receive any financial assistance from the following sources to assist in implementing energy efficiency initiatives at your facility in the survey year (2018)? *

- ☐ Yes
- ☐ No

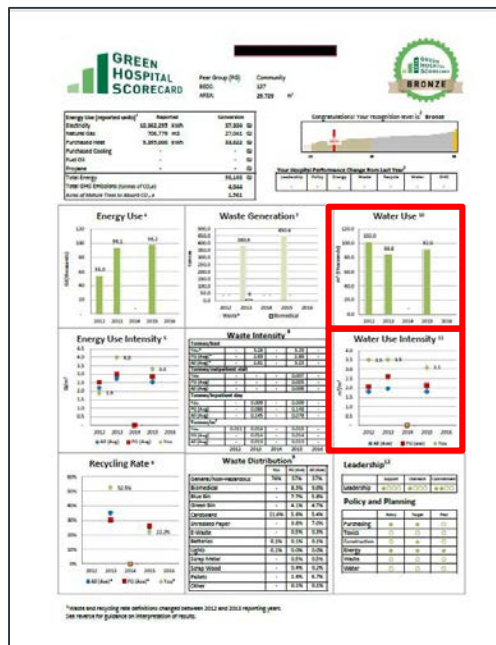
Does your facility use an internal Green Revolving Fund to earmark funding for new energy projects?

- ☐ Yes
- ☐ No

Water



Water



Water Use



Water Use Intensity

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Water

Please ensure that the water consumption listed corresponds with the building data provided in the General Information section.

Total Water Consumption in 2019

Unit

Please input the total annual water consumption for your hospital site.

Is grounds maintenance (i.e. any water use outside of the conditioned floor area) a significant component of your water bill?

- ☐ Yes
- ☐ No

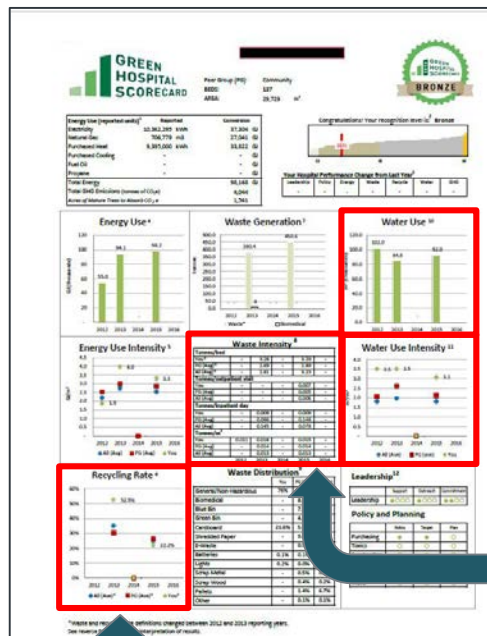
Did your facility implement new technologies or services for energy efficiency and/or conservation you are proud of in the survey year (2019)?

- ☐ No
- ☐ Yes

Waste



Waste



Waste Generation

Waste Intensity

Waste Distribution

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Waste

Waste

This section of the survey collects information on how conventional non-hazardous waste, biomedical waste and recyclable materials are managed through disposal, recycling, green bin, reuse or an alternative form of diversion like on-site composting.

Please ensure that the information provided correlates to the building data provided in the General Information section.

What not to report:

- Your data should represent the weight of the waste "as disposed", not the waste composition.
- Recyclable materials that were present in the general waste stream should be accounted under "General, non-hazardous waste".
- Waste generated from buildings not reported in the General Information section.

How can I to obtain tonnage information for recycled items? Please review the [FAQs](#).

What does Biomedical Waste include? Please review the [FAQs](#).

Waste

General, non-hazardous waste

Unit - General, non-hazardous waste

Source of Data - General, non-hazardous waste

☐ Hauler Records ☐ Estimate ☐ Other

Other

Biomedical waste

Unit - Biomedical waste

Source of Data - Biomedical waste

☐ Hauler Records ☐ Estimate ☐ Other

Other

What does general, non-hazardous waste include?

- Landfilled waste
- Recyclable materials that were present in the general waste stream should be accounted for under "General, non-hazardous waste"

Waste

How can I obtain tonnage information for recycled items?

- Reports from waste hauler/waste service provider
- Waste audits
- Estimate waste weight with your waste hauler/waste service provider
- Size and average weight of the **carts/bins**:
 - If price per bin: ask number of carts/bins per week, then multiply to reflect annual totals
 - If paying a flat rate: ask driver for the average number of full bins of each material emptied per week, then multiply to reflect annual totals
- **Cardboard**
 - Front-end or rear-load cardboard bins: ask for average weight per lift, multiply how many lifts per year
 - Cardboard dedicated compactor: hauler has weights each time compactor is emptied

Waste

Material Streams

	Quantity captured	Quantity not captured	Option to divert not available
Blue Bin	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Green Bin	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Cardboard	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Shredded Paper	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Electronics / E-Waste	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Light Bulbs / Tubes / Ballasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scrap Metal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scrap Wood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pallets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Toner	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Batteries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Quantity - Blue Bin

Unit - Blue Bin

Quantity - Shredded Paper

Unit - Shredded Paper

Waste – Diversion

Where applicable, please indicate which material streams your hospital site diverted in 2019 from the general waste stream.

- Blue Bin: Includes plastic, paper, glass or metal/can accepted in your blue bin. If you have diverted plastics, paper, glass or metal outside your blue bin, please use the Other Material Streams section to provide information on the material, its quantity, unit and source of data.
- Green Bin: Includes kitchen, food waste and organics accepted in your green bin. If you compost (or divert from general, non-hazardous waste) food, kitchen waste or other organic materials, please use the Other Material Streams section to provide information on the material, its quantity, unit, source of data.
- If the material is diverted and quantity is captured, please select "Quantity captured" and enter the quantity below.
- If the material is diverted but quantity is not captured, please select "Quantity not captured".
- If the option to divert a particular waste stream is not available, please check "Option to divert not available".



Green Bin

- Kitchen waste
- Food waste
- Organics



Blue Bin

- Plastic
- Paper
- Glass
- Metal/Can

Waste – Diversion

Other Material Streams

Please add any other diverted material streams here.

✖

Stream 1

Name/Description

Quantity

Unit

+ Add Stream

If applicable, please list other disposal methods by material not included in waste destined for landfill, recycling, reuse or composting.

Examples: agricultural use (land application) or incineration.

Waste – Food

Does your facility have a food waste management program?

☒ Yes ☐ No

If yes, please use the questions below to identify the food waste management options currently used by your facility, identifying where the food originates in the facility.

Below, please check off the waste management options for each site of origin for food waste in your facility.

Hospital food prep area

☐ Onsite dehydration

☐ Onsite composting

☐ Offsite composting

☐ Food waste to farms

☐ Disposed to landfill or incineration

☐ Maceration and disposal to the drain

☐ Other

Patient care area

☐ Onsite dehydration

☐ Onsite composting

☐ Offsite composting

☐ Food waste to farms

☐ Disposed to landfill or incineration

☐ Maceration and disposal to the drain

☐ Other

Hospital cafeteria

☐ Onsite dehydration

☐ Onsite composting

☐ Offsite composting

☐ Food waste to farms

☐ Disposed to landfill or incineration

☐ Maceration and disposal to the drain

☐ Other

Other area

☐ Onsite dehydration

☐ Onsite composting

☐ Offsite composting

☐ Food waste to farms

☐ Disposed to landfill or incineration

☐ Maceration and disposal to the drain

☐ Other

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Waste – Circular economy

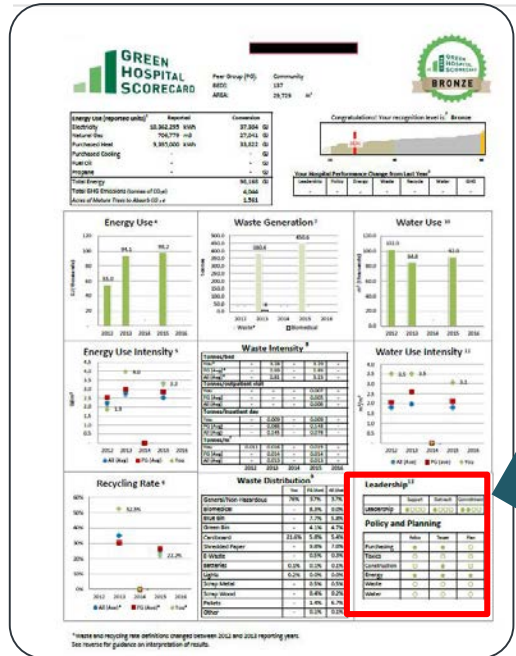
- This is a new set of questions
 - Focused on circular economy and PPE
- Circular economy: on the principles of designing out waste and pollution, while keeping products and materials in use, and regenerating natural systems.
- Multiple choice questions
 - Results will be used to obtain insights for the PPE project (<https://greenhealthcare.ca/ppe-msup/>)



Pollution Prevention



Pollution prevention



Pollution Prevention

- Measure of actions to reduce impact on the environment
- Management of harmful materials and operational practices.

Pollution prevention

Policy:

Statement of intention on Environmental objectives and targets. Providing a framework for action.

Target:

Performance requirement. Formed through environmental policies. Set and met to achieve the policy objectives.

Action Plan:

Designates responsibilities for achieving targets. Timeline and means in which targets are achieved, May include: training, processes, procedures and controls, measurement system, auditing protocols, review and revision of existing documentation.

Pollution prevention

Target examples:

- **Environmentally Preferable Purchasing:** Reduce packaging waste by 20% by 2019, increase reusable products by 15% by 2018.
- **Toxins Management:** Establish inventory of toxic materials by 2019 or replace phthalate-containing PVC medical devices with safer plastics by 2019.
- **Sustainable Construction/Renovation Practices:** Implement green renovation procedures/guidelines by 2020.

Action Plan example:

To reduce packaging waste by 20% by 2018, steps in Action Plan can include:

- Establish packaging waste baseline by June 2015 (Facilities Manager/Waste Auditor)
- Select and prioritize feasible products and suppliers by December 2019 (Waste/ Purchasing/ Finance Officers, etc.)



Pollution prevention

If applicable, please describe any other Pollution Prevention measures or initiatives the hospital has in place which are not identified anywhere else in the survey. Please provide quantifiable benefits achieved as a result of the Pollution Prevention measures or initiatives.

Chance to explain any innovative initiatives taking place at your hospital!

Corporate Leadership, Planning and Management



Leadership

Leadership

Does your organisation's corporate commitment to green initiatives include the following:

	Yes	No	Unaware
A corporately recognized environmental mandate or commitment	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
An executive sponsor accountable for the overall hospital environmental strategy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A dedicated FTE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A Green Team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Leadership

Does your organisation offer staff engagement and outreach programming in the following areas?

	Yes	No	Unaware
Energy conservation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water conservation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Waste management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Green events, such as Earth Day	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If applicable, please describe any other staff engagement and outreach programming that the hospital has in place which are not identified anywhere else in the survey.

Leadership

Does your organisation provide a budget for staff engagement and outreach programming in the following areas?

Yes No

Energy conservation

☐ ☐

Water conservation

☐ ☐

Waste management

☐ ☐

Green Events, such as Earth Day

☐ ☐

Leadership

Monitoring and Management

How frequently do you track and review your billing data?

- ☐ Monthly
- ☐ Quarterly
- ☐ Biannually
- ☐ Annually
- ☐ Not Tracked

Planning

Does your organisation's corporate commitment to environmental performance improvements include policy in the following areas? Please enter the policy name and policy URL if applicable. Alternatively, you can also upload the policy document if available.

Energy conservation

- ☒ Yes
- ☐ No

Policy Name (if applicable) *

Policy URL (if applicable)

Upload policy document (if available)

or drag files

here.

Water conservation

- ☐ Yes
- ☒ No

Waste management

- ☒ Yes
- ☐ No

Policy Name (if applicable) *

Policy URL (if applicable)

Upload policy document (if available)

or drag files

here.

- **Policy:** A statement by the organization of its intention; provides a framework for action.
- Policy upload feature

Leadership

Does your organisation have clearly defined targets in the following area?

Energy conservation

If yes, what is the target? Include amount to be reduced, by which year, based on which baseline year.

☒ Yes

☐ No

Water conservation

☐ Yes

☒ No

Waste management

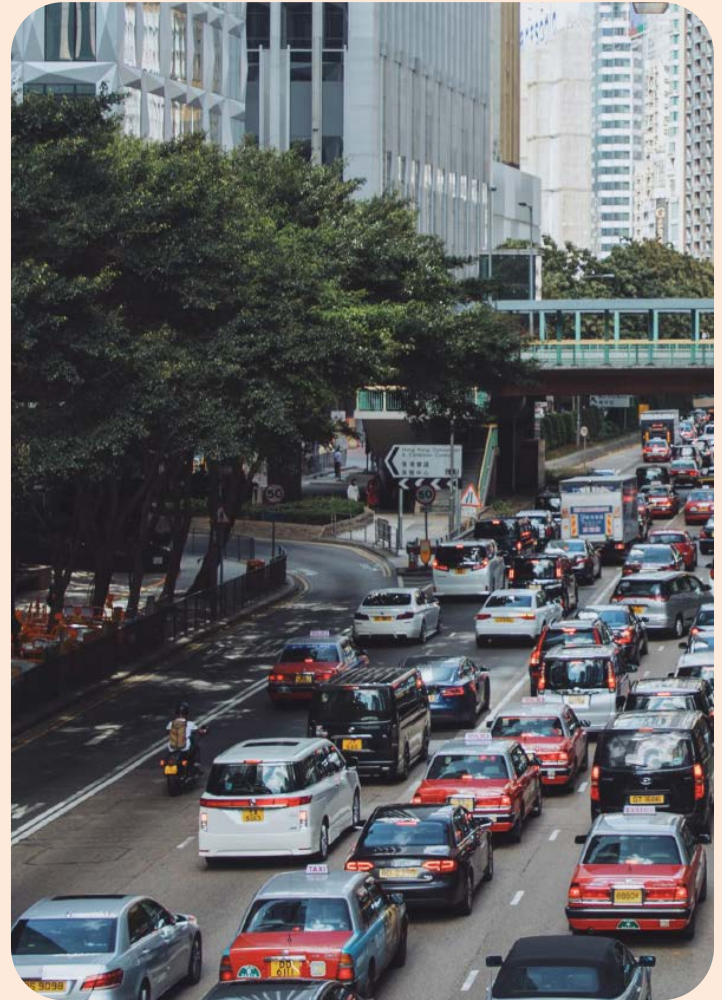
If yes, what is the target? Include amount to be reduced, by which year, based on which baseline year.

☒ Yes

☐ No

Target: A detailed performance requirement in order to achieve the policy.

Transportation



Transportation

What is active transportation?

- According to the Government of Canada, active transportation is using your own power to get from one place to another and includes walking, jogging and biking. Clean transportation includes public transit, car-pooling, shuttles and low- emission vehicles.

Why measure it?

- To understand the behaviours, programs and initiatives of Canadian health care facilities promoting alternative and active forms of transportation
- To gain knowledge on the initiatives and trends in transportation programming of Canadian healthcare facilities



Transportation

Does your facility have a policy to address active and clean transportation?

- ☐ Yes, provided policy details last year
- ☒ Yes, have policies to share
- ☐ No
- ☐ Do not know

If yes, please provide the policy name. *

Policy URL

Upload policy document (if available)

Upload

or drag files

here.

Does your facility have a program to promote alternative transportation to replace single occupancy vehicles?

- ☒ Yes
- ☐ No

If yes, what percentage of staff commute to your facility in other means other than single occupancy vehicles?

Example: 34% of staff carpool, 27% take transit, etc

Does your facility have on site bicycle facilities and/or storage options?

- ☒ Yes ☐ No ☐ Not applicable

Examples include bike racks, bike sheds, etc

Does your facility have electric vehicle charging stations?

- ☒ Yes
- ☐ No
- ☐ Not applicable

If yes, for whom? Check all that apply. *

- ☐ Staff
- ☐ Visitors

Does your facility have preferred parking for low emission vehicles?

- ☐ Yes
- ☒ No
- ☐ Low parking availability

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Does your facility have low emission vehicles within the hospital emergency fleet?

- ☐ No emergency fleet.
- ☒ Yes
- ☐ No

If yes, what types of vehicles?

If yes, how many vehicles?

Is telemedicine utilized at your hospital?

- ☐ Yes ☐ No ☐ Other

Please indicate practices needed to better utilize telemedicine.

Example: hospital does not have equipment to support this program. Need more...

Did your facility implement new technologies or services for clean transportation you are proud of in the survey year (2019)?

- ☐ Yes
- ☐ No
- ☐ Don't know

Food



Food

Health care facilities have begun to adopt policies and practices to support a healthy food system. This is a system that includes environmental sustainability, improves nutritional quality, supports a shift to low-carbon foods, builds healthy communities, and supports culturally appropriate and sustainable foods.

Why measure it?

- To better understand the efforts, policies and practices of Canadian health care facilities on supporting a more sustainable food system
- To gain knowledge on the gaps in the work, and what resources and programs can help support facilities in creating and contributing to more sustainable food systems

Food

Does your facility have a healthy food policy?

- ☐ Yes, provided policy details last year
- ☐ Yes, have policies to share
- ☐ No
- ☐ Do not know

If your facility does have a policy, please provide the policy name and URL.

Does your facility include local or sustainable purchasing criteria in contracts or RFPs?

- ☐ Yes.
- ☐ No
- ☐ Do not know

Does your facility actively source meats that are raised without antibiotics?

- ☐ Yes.
- ☐ No
- ☐ Do not know

Does your facility purchase local foods?

- ☐ Yes.
- ☐ No
- ☐ Do not know

Has your facility replaced animal based proteins with vegetable based proteins?

- ☐ Yes
- ☐ No
- ☐ Do not know

Food

Does your facility have any of the following initiatives? Please check all that apply.

- ☐ Onsite farmers markets
- ☐ Onsite food gardens
- ☐ Community Shared Agriculture programs
- ☐ Produce prescription program for vulnerable populations
- ☐ Education programs for diet and nutrition
- ☐ Traditional food programs for First Nation, Metis, or Inuit populations
- ☐ Room service
- ☐ Other

Did your facility implement new technologies or services for a sustainable and healthy food system you are proud of in the survey year (2019)?

- ☐ Yes
- ☐ No
- ☐ Don't know

Climate Change



Climate change

How has climate change been recognized by Management at your facility as an issue of concern? Please check all that apply.

- ☐ At least one person has been assigned some climate change responsibility.
- ☐ Climate change risk has been acknowledged in a facility Strategic Plan
- ☐ Climate change risks have been identified in specific policies.
- ☐ It has not been recongized.
- ☐ Do not know.
- ☐ Other

Has your facility recognized climate change in specific policies?

- ☐ Yes, provided policy details last year
- ☒ Yes, have policies to share
- ☐ No
- ☐ Don't Know

If yes, please submit the name of the policies here:

Climate change

Which climate change-related events have impacted your facility?

- ☐ Extreme heat - including extended heat periods
- ☐ Extreme cold
- ☐ Extreme rain and floods
- ☐ Extreme snow
- ☐ Extreme winds
- ☐ Ice storm
- ☐ Drought
- ☐ Wildfire
- ☐ Tornado
- ☐ Extreme storm (thunderstorm, lightening)
- ☐ Hurricanes and related storms
- ☐ Avalanche, rock/mud/land slides, debris flow
- ☐ Rising sea level; coastal flooding, storm surges
- ☐ New and emerging infectious diseases
- ☐ Not applicable
- ☐ Other

Please describe how your facility was affected. Please check all that apply.

- ☐ Damage to infrastructure
- ☐ Reduced access to critical services
- ☐ Reduced access to critical services such as transportation, power, water supply, communications
- ☐ Reduced access to medical supplies and products
- ☐ Reduced access to non-medical supplies and services (food, cleaning, linen, sterilization)
- ☐ Closing/delay of health services such as closing the hospital, delay in surgeries and/or clinical services
- ☐ Increased number of patients admitted such as from patient transfer from their hospitals, patients suffering from climate-related events
- ☐ Health care worker impacts such as stress, exhaustion, mental health
- ☐ Hospital emergency plan activated
- ☐ Not applicable
- ☐ Other

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Climate change

Has your facility undertaken a climate change resiliency assessment?

- ☐ Yes
- ☐ No
- ☐ Do not know
- ☐ Other

Did your facility implement new technologies or services for climate resiliency you are proud of in the survey year (2019)?

- ☐ Yes
- ☐ No
- ☐ Don't Know

Has your facility participated in a climate change vulnerability assessment?

- ☐ Yes
- ☐ No
- ☐ Do not know
- ☐ Other

Anaesthetic Gas



Anaesthetic gas

What is it?

Anesthetic gases used for surgeries under general anesthesia are potent greenhouse gases which hospitals regularly discharge unabated into the atmosphere. In England, the National Health Service (NHS) discovered the following:

- 5% of the carbon footprint for acute care organisations is from anaesthetic gases
- For acute care organisations, this is equivalent to around half the emissions from gas used to heat buildings and water
- Desflurane and nitrous oxide causes the most global warming and sevoflurane the least
- Measuring, monitoring and reporting carbon dioxide equivalent emissions is crucial for reducing emissions

Not a mandatory section! You can bypass this section if your site does not use anaesthetics.

Anaesthetic gas

Key questions:

- What anaesthetic gases did your health care organisation purchase?
- What practices to reduce greenhouse gas emissions from discharging scavenged anaesthetics are employed or being explored at your facility?

a. Isoflurane - 100ml bottles

☐ Yes ☐ No ☐ Not sure

If yes, please provide the number of 100 ml Isoflurane bottles purchased

of 100 ml bottles

b. Isoflurane - 250ml bottles

☐ Yes ☐ No ☐ Not sure

If yes, please provide the number of 250 ml Isoflurane bottles purchased

of 250 ml bottles

Anaesthetic gas

A series of yes/no questions:

- Are anaesthesiologists within your anaesthesia department choosing to eliminate or reduce the use of Desflurane to reduce greenhouse gas emissions from wasted anaesthetic gases?
- Are anaesthesiologists within your anaesthesia department choosing to increase the use TIVA to reduce greenhouse gas emissions from wasted anaesthetic gases?
- Are anaesthesiologists within your anaesthesia department choosing to increase the use of regional anaesthesia or local nerve blocks to reduce greenhouse gas emissions from wasted anaesthetic gases?

Energy Behaviour



Energy behaviour

- This section will NOT be impacting your score, but will be evaluated for a new Energy Behaviour Award.
- This section is to be answered by the person who is responsible for facility energy

Title * Director of Facilities

Name (first and last) * John Adams

Email * john.adams@example.com

What is your understanding of Energy Behaviour? *

Does your facility have an Energy Behaviour initiative(s)?

☐ Yes

☐ No

General Information Energy Water Waste Pollution Prevention Corporate Leadership, Planning, and Management Transportation Food Climate Change Anaesthetic Gas **Energy Behaviour** Confirmation

Energy behaviour

A series of rating questions related to staff engagement, senior leadership support and energy behaviour within the organisation:

Comment on the following statements using the scale of 1 – 7. For example:

1. If you very strongly disagree with the statement;
2. If you moderately disagree with the statement;
3. If you slightly disagree with the statement;
4. If you are undecided as to the statement;
5. If you slightly agree with the statement;
6. If you moderately agree with the statement;
7. If you very strongly agree with the statement

Survey completion

- Terms of use agreement:
 - "If you agree to have your data used in this manner, please click 'yes' below. By clicking 'yes', your data will be used for benchmark reporting, and your hospital will be eligible for performance recognition. If you do not agree to have your data used in this manner, please click 'no' below. Your data will not be used for benchmark reporting and you will not receive the individual Green Hospital Scorecard report. As such, your organisation will not be eligible for performance recognition."
- Five short feedback questions:
 - Overall experience, length of GHS, concerns, pain points
- [Sign up](#) for the Green Digest!

Membership

- GHS participation does not imply membership in the Coalition
- However, participants are encouraged to become Coalition members. This support helps fund the Coalition's operations
- Benefits of membership:
 - Networking and Peer Exchange Webinars
 - Governance and voting
 - Priority access to lead and host pilot projects
- Learn more [HERE](#)
- Contact Ozora at ozora@greenhealthcare.ca for any questions about membership

Looking ahead

- Catching up to the GHS timeline with the two-year data call for 2020 GHS
- 2021 GHS will be back on track
- Expanding GHS to [long term care sector](#)
- Improvements to the GHS survey platform
 - Online dashboard
 - User accounts
 - Real-time tracking
 - No delays in data analyses and result generation

Thank You!



Questions?

Contact Krishna at
krishna@greenhealthcare.ca



www.greenhealthcare.ca/ghs

FAQ

www.greenhealthcare.ca/ghs-faq