



TEST PRACTICE GREENHEALTH - HEALTHCARE FACILITY
WITH BEDS AND ORS #3 — no.1707362

Partner for Change - 2016: Climate

Introduction

Growing evidence points to **climate change** as one of the most serious and pressing environmental issues and emerging threats to human health. A growing number of hospitals and health systems have begun to consider the impact of their operations on climate change. While PGH recognizes that data collection, tracking and strategy development around climate change is still in its infancy in healthcare, it will play a growing role in sustainability going forward. PGH looks forward to acknowledging and celebrating your climate change efforts to date.

Greenhouse Gas Emissions

Addressing climate change is a multi-step process that includes understanding the facility's impact, tracking the facility's impact and mitigating the facility's impact. This section of the application will help you understand the different greenhouse gas emissions reporting categories and point you to key resources for assistance in tracking these emissions. Not surprisingly, energy use is the primary contributor to greenhouse gas emissions. However, waste generation, production and transportation of supplies and food, water usage and employee travel and commute all have a significant impact on the facility's carbon footprint.

Please Note: If you are using [EnergyStar Portfolio Manager](#), the tool tracks both direct (Scope I) and indirect (Scope II) greenhouse gas (GHG) emissions in Metric Tons of CO₂ equivalent (CO₂e). To access your facility's GHG emissions data in Portfolio Manager, login, click on the Reporting tab, scroll down to Emissions Performance in Templates and Reports, and generate a new report. Be sure to select the 12-month period beginning Jan 1, 2015 and ending Dec 31, 2015.

To enter your Portfolio Manager data in Table A, go to the row called **Other Scope I Emissions** and type *Portfolio Manager Scope I* in the first column and enter your Scope I emissions (in MTCO₂e) in the 2nd column. Repeat the same process for Scope II (Indirect Emissions). Portfolio Manager does not calculate Scope III emissions.

Learn more about tracking GHGs with Energy Star's [GHG emission calculation resources](#).

Please enter your facility's **GHG emissions** in **Table A**. Please enter all data in **Metric Tons of Carbon Dioxide Equivalents (MTCO₂e)**.

Table A: Greenhouse Gas Emissions

Category	Current Year
Scope I (Direct Emissions)	Metric Tons of CO ₂ e Emissions
Stationary Combustion of Fuels (E.g. Boilers, generators, onsite incinerators, etc.)	<u>1.</u> <input type="text"/>

Mobile Fuel Combustion by Fleet Vehicles	<u>2.</u> <input type="text"/>
Refrigerants (Fluorinated Gases)	<u>3.</u> <input type="text"/>
Waste Anesthetic Gases (Process Emissions)	<u>4.</u> <input type="text"/>
<u>5.</u> Other Scope I Emissions (please describe): <input type="text"/>	<u>6.</u> <input type="text"/>
Total Scope I Emissions	<u>7.</u> <input type="text" value="0"/>
Scope II (Indirect Emissions)	Metric Tons of CO2e Emissions
Purchased Electricity	<u>8.</u> <input type="text"/>
Purchased Steam or Hot Water	<u>9.</u> <input type="text"/>
Purchased Electricity/Steam/Hot Water from CHP Facility	<u>10.</u> <input type="text"/>
Purchased Chilled Water	<u>11.</u> <input type="text"/>
Emission Reductions from RECs	<u>12.</u> <input type="text"/>
<u>13.</u> Other Scope II Emissions (please describe): <input type="text"/>	<u>14.</u> <input type="text"/>
Total Scope II Emissions	<u>15.</u> <input type="text" value="0"/>
Scope III (Indirect Emissions)	Metric Tons of CO2e Emissions
Purchased Goods or Services	<u>16.</u> <input type="text"/>
Capital Goods	<u>17.</u> <input type="text"/>
Fuel and Energy-Related Activities (not in Scope I or II)	<u>18.</u> <input type="text"/>

Transportation and Distribution of Products	19. <input type="text"/>
Disposal of Waste Generated in Operations	20. <input type="text"/>
Employee Business Travel	21. <input type="text"/>
Employee Commuting	22. <input type="text"/>
Processing of Sold Products	23. <input type="text"/>
End of Life Treatment of Sold Products	24. <input type="text"/>
Leased Assets	25. <input type="text"/>
26. Other Scope III Emissions (please describe): <input type="text"/>	27. <input type="text"/>
Total Scope III Emissions	28. <input type="text" value="0"/>
Total GHG Emissions	29. <input type="text" value="0"/>

To calculate your **Scope III emissions** related to Disposal of Waste Generated in Operations, you can use **US EPA's WARM Model**. Practice Greenhealth supports the efforts of the Environmental Protection Agency's (EPA) efforts to measure the greenhouse gas emissions of waste through the Waste Reduction Model (WARM). WARM calculates and totals GHG emissions of baseline and alternative waste management practices—source reduction, **recycling**, combustion, composting, and landfilling. The model calculates emissions in metric tons of carbon equivalent (MTCE), metric tons of carbon dioxide equivalent (MTCO₂E), and energy units (million BTU) across a wide range of material types commonly found in municipal **solid waste** (MSW). WARM offers both a **web-based calculator** or a **Microsoft Excel spreadsheet** with which you can calculate GHG emissions related to waste disposal.

Practice Greenhealth modeled its GHG reporting categories on the **GHG Protocol utilized by the Carbon Disclosure Project (CDP)** as well as the **Federal Greenhouse Gas Accounting and Reporting Guidance** provided by the US government. Learn more about the **Greenhouse Gas Protocol**.

Renewable Energy

30. Does the facility generate or purchase **renewable energy**?

- ☒ Yes
☐ No

Renewable energy has a significantly different **carbon footprint** than conventional energy and is an important strategy for climate change mitigation. Based on the data entered in the Energy section of this application, the percentage of the facility's energy portfolio from renewable

sources is:

0

31. Has the organization performed a **Greenhouse Gas (GHG) Emissions audit**?

- ☒ Yes
☐ No

31.a Did the facility contract with a **3rd party firm** to conduct a greenhouse gas audit?

- ☒ Yes
☐ No

31.a.a Please share name of firm conducting audit:

32. Has the facility signed on to a climate challenge or commitment?

- ☒ Yes
☐ No

32.a Please select which **climate change challenges or commitments** the facility has signed:

- ☐ American College & University Presidents' Climate Commitment (ACUPCC)
☐ Climate Registry
☐ Local/state/regional commitment
☒ Other

32.a.a Please explain other commitment:

32.b Please attach **pledge or commitment statement**.

33. Has the facility advocated for or promoted policies or legislation that **protect public health from the causes of climate change**?

- ☒ Yes
☐ No

34. Does the facility have a **written plan** to address **climate change mitigation** over time with timelines and goals?

- ☒ Yes

☐ No

34.a Please describe:

34.b Please attach:

Please indicate who is **accountable** for plan:

34.c Name:

34.d Title:

34.e Email:

34.f Phone:

35. Has the organization calculated the carbon footprint of its **anesthetic gas emissions**?

☒ Yes

☐ No

35.a Please describe what **data** the facility used to **calculate the CO₂e** (e.g. purchasing data, etc.)

The American Society of Anesthesiologists provides guidance on Greening the OR for anesthesiologists in **Greening the Operating Room: Reduce, Reuse, Recycle and Redesign**.

Climate Resilience

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- 36.** Has the facility developed a plan for **addressing key health care service delivery needs during and following extreme weather events?** such as cold or heat waves, hurricanes, droughts, etc.?
- ☒ Yes
☐ No
-

- 37.** Has the facility created a priority action plan to address **key building and infrastructure vulnerabilities** related to climate change?
- ☒ Yes
☐ No
-

Learn more with the recent HHS Toolkit: **Primary Protection: Enhancing Health Care Resilience for a Changing Climate**

Divestment from Fossil Fuels and Investment in Clean Technology

Today, institutions and organizations across the world are examining how their investment policies can be used to help address climate change. One example of this is divesting from (or selling) fossil fuels investments. In the case of tobacco, many health organizations followed a similar path, selling their tobacco stocks to bring attention to the serious health risks associated with tobacco and to ensure their institutions weren't profiting from the harm being caused by tobacco.

- 38.** Has the facility or its parent company **divested or sold off** fossil fuel holdings?
- ☒ Yes
☐ No
-

38.a Please describe:

-
- 39.** Has the facility or its parent company committed to **freezing future investments in fossil fuel companies?**
- ☒ Yes
☐ No
-

39.a Please describe:


-
- 40.** Has the facility **invested in clean (renewable) energy technology?**
- ☒ Yes
☐ No
-

40.a Please describe:

To learn more about divestment from fossil fuels and investment in clean technologies for health care institutional investors, see [Divestment & Investment](#).

Transportation

41. Does the facility purchase **alternative-fueled vehicles** for transportation purposes?


Yes 

41.a Please indicate **which alternative fuels** are used:

- ☐ Biodiesel B20-B100
- ☐ Electricity
- ☐ E8 Ethanol
- ☐ Hydrogen
- ☐ Methanol
- ☐ Natural Gas
- ☐ Propane
- ☐ P-Series
- ☐ Other

Alternative fuels include: Biodiesel B20-B100, Electricity, E8 Ethanol, Hydrogen, Methanol, Natural Gas, Propane, P-Series (a family of renewable, non-petroleum, liquid fuels that can substitute for gasoline).

42. Does your facility **purchase low-emitting and fuel-efficient vehicles** for **fleet** transportation?

Yes 

Please describe program in Table B.

Table B. Low-emitting and fuel-efficient vehicles

Manufacturer	Model	Number of Vehicles	Fuel Source
42.a <input type="text"/>	42.b <input type="text"/>	42.c <input type="text"/>	42.d Alternative fuels include: <input type="text" value="Select an option..."/>
42.e <input type="text"/>	42.f <input type="text"/>	42.g <input type="text"/>	42.h Alternative fuels include: <input type="text" value="Select an option..."/>
42.i <input type="text"/>	42.j <input type="text"/>	42.k <input type="text"/>	42.l Alternative fuels include: <input type="text" value="Select an option..."/>

Low-emitting is defined as zero emission vehicles by California Air Resources Board. **Fuel-efficient** is defined as achieving a minimum green score of 40 on [American Council for an Energy Efficient Economy \(ACEEE\) annual vehicle rating guide](#).

43. Does the facility **participate in** or has the facility **implemented** any of the following:

- ☐ Participate in regional transportation planning
- ☐ Demonstrate reduction in single vehicle car use
- ☐ Provide "vouchers" or subsidies for public transportation
- ☐ Provide preferred parking for carpool participants and low-emission, fuel-efficient vehicles (hybrids, smart cars)
- ☐ Provide bike racks and showering facilities for bike riders
- ☐ Install electric vehicle charging stations

44. Has the facility encouraged or required its suppliers to become an **EPA SmartWay Shipper Partner** as a means to drive down Scope III GHG emissions from freight transportation?

- ☒ Yes
☐ No

In **Table C**, please list the three (or more) top projects that are major components of the organizations' GHG emission reduction strategy in 2015. Reduction metrics must be in **metric tons of CO2e**. Please remember to include any projects related to **waste anesthetic gas minimization or volatile anesthetic agent management** and source reduction.

Examples of mitigation programs could include **recycling**, composting, purchase of local food, and energy or water reduction activities.

Table C. GHG Emission Reductions

Project Description	Scope Emissions & Sub-Scope	CO2e Savings(metric tons)	Dollar Savings (list total savings (+) or expenditure (-))
45. <input type="text"/>	46. <input type="text" value="Select an option..."/>	47. <input type="text"/>	48. <input type="text"/>
49. <input type="text"/>	50. <input type="text" value="Select an option..."/>	51. <input type="text"/>	52. <input type="text"/>
53. <input type="text"/>	54. <input type="text" value="Select an option..."/>	55. <input type="text"/>	56. <input type="text"/>
57. <input type="text"/>	58. <input type="text" value="Select an option..."/>	59. <input type="text"/>	60. <input type="text"/>
61. <input type="text"/>	62. <input type="text" value="Select an option..."/>	63. <input type="text"/>	64. <input type="text"/>
Total		65. <input type="text" value="0"/>	66. <input type="text" value="0"/>

Please describe any other successes or innovations in the climate program or projects at your facility in the spaces provided below. Please feel free to provide commentary and/or attach a file.

67. Success 1: Please describe

68. Please attach any additional documentation (optional):

69. Success 2: Please describe

70. Please attach any additional documentation (optional):

71. Success 3: Please describe

72. Please attach any additional documentation (optional):
