



Climate

Introduction

According to The Lancet Commission, "Tackling climate change could be the greatest global health opportunity of the 21st century." Climate change is the most serious and pressing environmental issue and emerging threat to human health. Practice Greenhealth looks forward to learning about and celebrating your climate change leadership, mitigation, resilience, and equity 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 different **greenhouse gas** emissions reporting categories relevant to health care. Practice Greenhealth has a **Greenhouse Gas Reduction Toolkit** to walk you through this process and has developed a **Health Care Emissions Impact Calculator** to help you inventory and track your emissions.

Practice Greenhealth is autocalculating your facility's energy-related **greenhouse gas** (GHG) emissions from the Energy page and has entered them in the appropriate Scope Emissions tables below. Practice Greenhealth autocalculates the facility's GHG emissions from mobile fuel combustion from fleet vehicles on the Transportation page, from waste anesthetic gases on the Greening the OR page, and for animal products from the Food page. If you have questions about GHG calculations and conversion factors, please refer to our **Guidance on Greenhouse Gas (GHG) Emission Calculations**.

Practice Greenhealth also calculates the percent reduction in GHGs from baseline and previous year for your facility. Please direct questions on GHG calculations or data entry to **Keith Edgerton**, Director, Climate Solutions.

Please enter your facility's annual **Scope 1** GHG emissions in **Table A1**. Please enter all data in **Metric Tons of Carbon Dioxide Equivalents (MTCO2e)**.

Please select a baseline year for **greenhouse gas** emissions.

Please attempt to complete the **Current Year** column at a minimum.

New in 2024: If you already have **greenhouse gas** emissions data in the platform for baseline or previous year, it will sync automatically once you select a baseline year. If this is your first year of tracking **greenhouse gas** emissions data, select the most recent year in the baseline year dropdown, and leave the previous year column blank. After you've filled out the current year column, the data from current year should then appear in the baseline year column as well. Do not enter zero. If you have not already entered the raw data for the selected baseline year for calculated **MTCO2e** values for energy, anesthetics, animal products, or vehicles, you may enter that raw data in the data archive:

- **Conventional energy**
- **Vehicles**
- **Anesthetics**
- **Animal Products**

Note: Please be aware that this baseline year will apply to your entire **Scope 1**, 2 and 3 emissions on this page. If you have selected a different baseline year for energy use (for example), please be aware that the data on this page will not appear identical to the data on the energy page due to differing baseline year selection.

1. Please choose the baseline year for climate data

2023

▼

Table A1. **Scope 1 Greenhouse Gas Emissions**

Scope 1	Baseline Year (MTCO2e)	Previous Year (MTCO2e)	Current Year (MTCO2e)	Percent Reduction from Baseline	Percent Reduction from Previous
Stationary Combustion of Fuels (E.g. Boilers, generators, onsite incinerators, etc.)	2. <div></div>	3. <div>0</div>	4.* <div>0</div>	5. <div>0</div>	6. <div>0</div>

Mobile Fuel Combustion by Fleet Vehicles	<u>7.</u>	<u>8.</u>	<u>9.*</u>	<u>10.</u>	<u>11.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Refrigerants (Fluorinated Gases)	<u>12.</u>	<u>13.</u>	<u>14.*</u>	<u>15.</u>	<u>16.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Waste Anesthetic Gases (Process Emissions)	<u>17.</u>	<u>18.</u>	<u>19.*</u>	<u>20.</u>	<u>21.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Total Scope 1 Emissions	<u>22.</u>	<u>23.</u>	<u>24.</u>		
	<input type="text"/>	<input type="text"/>	<input type="text"/>		

GHG emissions from stationary fuel combustion, mobile fuel combustion and waste anesthetic gases are autocalculated from data received in other areas of the application.

Practice Greenhealth modeled its GHG reporting categories on **The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (GHG Protocol)** by the World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD).

The GHG Protocol recommends quantifying two different **Scope 2** emissions totals, using a **location-based method** and a **market-based method**. The organization should quantify and report both totals if conducting its own comprehensive GHG inventory. Practice Greenhealth autocalculates the facility's **Scope 2** GHG emissions using the **location-based method**. For examples from different hospitals, see the Practice Greenhealth's **Conducting a GHG Inventory** or the **Addendum for Location and Market-Based Methodologies**.

Table A2. Scope 2 Greenhouse Gas Emissions (Location-based)

Scope 2	Baseline Year (MTCO2e)	Previous Year (MTCO2e)	Current Year (MTCO2e)	Percent Reduction from Baseline Year	Percent Reduction from Previous Year
Purchased Electricity (location-based)	<u>25.</u>	<u>26.</u>	<u>27.*</u>	<u>28.</u>	<u>29.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Purchased Electricity (market-based)	<u>30.</u>	<u>31.</u>	<u>32.</u>	<u>33.</u>	<u>34.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
District Steam	<u>35.</u>	<u>36.</u>	<u>37.</u>	<u>38.</u>	<u>39.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
District Hot Water	<u>40.</u>	<u>41.</u>	<u>42.</u>	<u>43.</u>	<u>44.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
District Chilled Water	<u>45.</u>	<u>46.</u>	<u>47.</u>	<u>48.</u>	<u>49.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Total Scope 2 Emissions	<u>50.</u>	<u>51.</u>	<u>52.</u>		
	<input type="text"/>	<input type="text"/>	<input type="text"/>		

Table A3. Scope 3 Greenhouse Gas Emissions

Scope 3	Baseline Year (MTCO2e)	Previous Year (MTCO2e)	Current Year (MTCO2e)	Percent Reduction from Baseline	Percent Reduction from Previous
Purchased Animal Products from Food Page	<u>53.</u>	<u>54.</u>	<u>55.*</u>	<u>56.</u>	<u>57.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Purchased Goods or Services (Except Animal Products Entered on Food Page)	<u>58.</u>	<u>59.</u>	<u>60.*</u>	<u>61.</u>	<u>62.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Capital Goods	<u>63.</u>	<u>64.</u>	<u>65.*</u>	<u>66.</u>	<u>67.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Fuel and Energy-Related Activities (not in Scope 1 or 2)	<u>68.</u>	<u>69.</u>	<u>70.*</u>	<u>71.</u>	<u>72.</u>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Transportation and Distribution	<u>73.</u> <input type="text"/>	<u>74.</u> <input type="text"/>	<u>75.*</u> <input type="text"/>	<u>76.</u> <input type="text"/>	<u>77.</u> <input type="text"/>
Food Waste from Food Page	<u>78.</u> <input type="text"/>	<u>79.</u> <input type="text"/>	<u>80.</u> <input type="text"/>	<u>81.</u> <input type="text"/>	<u>82.</u> <input type="text"/>
Waste Generated in Operations (Except from Food Waste Entered on Food Page)	<u>83.</u> <input type="text"/>	<u>84.</u> <input type="text"/>	<u>85.*</u> <input type="text"/>	<u>86.</u> <input type="text"/>	<u>87.</u> <input type="text"/>
Business Travel	<u>88.</u> <input type="text"/>	<u>89.</u> <input type="text"/>	<u>90.*</u> <input type="text"/>	<u>91.</u> <input type="text"/>	<u>92.</u> <input type="text"/>
Employee Commuting	<u>93.</u> <input type="text"/>	<u>94.</u> <input type="text"/>	<u>95.*</u> <input type="text"/>	<u>96.</u> <input type="text"/>	<u>97.</u> <input type="text"/>
End of Life Treatment of Sold Goods	<u>98.</u> <input type="text"/>	<u>99.</u> <input type="text"/>	<u>100.*</u> <input type="text"/>	<u>101.</u> <input type="text"/>	<u>102.</u> <input type="text"/>
Leased Fleet Vehicles from Transportation Page	<u>103.</u> <input type="text"/>	<u>104.</u> <input type="text"/>	<u>105.*</u> <input type="text"/>	<u>106.</u> <input type="text"/>	<u>107.</u> <input type="text"/>
Leased Assets (Except Fleet Vehicles)	<u>108.</u> <input type="text"/>	<u>109.</u> <input type="text"/>	<u>110.*</u> <input type="text"/>	<u>111.</u> <input type="text"/>	<u>112.</u> <input type="text"/>
Other Scope 3	<u>113.</u> <input type="text"/>	<u>114.</u> <input type="text"/>	<u>115.</u> <input type="text"/>	<u>116.</u> <input type="text"/>	<u>117.</u> <input type="text"/>
Total Scope 3 Emissions	<u>118.</u> <input type="text"/>	<u>119.</u> <input type="text"/>	<u>120.</u> <input type="text"/>		

Please Note: Table A3. does not include all categories of **Scope 3** GHG emissions. If the organization is generating and tracking **Scope 3** GHG emission categories other than those listed, please enter this value (in **MTCO2e**) in the box for **Other Scope 3** above. To learn more about the suggested categories to start with in **Scope 3**, see the Practice Greenhealth GHG Toolkit section on **Conducting an Inventory**.

Table A4. Total GHG Emissions

Table A4 shows the sums of all numbers entered for **Scope 1**, 2 and 3 emissions in Tables A1, A2, and A3.

	Baseline Year (MTCO2e)	Previous Year (MTCO2e)	Current Year (MTCO2e)
Energy-related Scope 1 and 2 Emissions	<u>121.</u> <input type="text"/>	<u>122.</u> <input type="text"/>	<u>123.</u> <input type="text"/>
Total GHG Emissions	<u>124.</u> <input type="text"/>	<u>125.</u> <input type="text"/>	<u>126.</u> <input type="text"/>

Table A5. Sums and percent change for emissions tracked for both BASELINE and current years

Table A5 measures **percent change in GHG emissions from baseline year** for all scopes. Categories of emissions are only included if they have non-zero values in both baseline and current columns. For example, if the baseline value for GHG emissions for Mobile Fuel Combustion from Fleet Vehicles in Table A1 is blank or zero, then any current year value for GHG emissions for Mobile Fuel Combustion from Fleet Vehicles in Table A1 will not be added into the current year emissions total used to calculate percent change for either **Scope 1** GHG Emissions or Total GHG Emissions in Table A5.

Energy-related **Scope 1** and 2 GHG Emissions is the sum of Stationary Combustion of Fuels in **Scope 1** (Table A1) and all **Scope 2** GHG emissions (Table A2).

	Baseline Year (MTCO2e)	Current Year (MTCO2e)	Percent Reduction from Baseline Year
Total Scope 1 GHG Emissions with Baseline and Current Year Values	<u>127.</u> <input type="text"/>	<u>128.</u> <input type="text"/>	<u>129.</u> <input type="text"/>

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Total Scope 2 GHG Emissions with Baseline and Current Year Values	130. 0	131. 0	132. 0
Total Scope 3 GHG Emissions with Baseline and Current Year Values	133. 0	134. 0	135. 0
Energy-related Scope 1 and 2 Emissions with Baseline and Current Year Values	136. 0	137. 0	138. 0
Total GHG Emissions with Baseline and Current Year Values	139. 0	140. 0	141. 0

Table A6. Sums and percent change for emissions tracked for both PREVIOUS and current years

Table A6 measures percent change in GHG emissions from previous year for all scopes. In this table, categories of emissions are only included if they have non-zero values in both previous and current columns. For example, if the previous value for GHG emissions for Waste Anesthetic Gases in Table A1 is blank or zero, then any current year value for GHG emissions for Waste Anesthetic Gases in Table A1 will not be added into the current year emissions total used to calculate percent change for either **Scope 1** GHG Emissions or Total GHG Emissions in Table A5.

Energy-related **Scope 1** and 2 GHG Emissions is the sum of Stationary Combustion of Fuels in **Scope 1** (Table A1) and all **Scope 2** GHG emissions (Table A2).

	Previous Year (MTCO2e)	Current Year (MTCO2e)	Percent Reduction from Previous Year
Total Scope 1 GHG Emissions with Previous and Current Year Values	142. 0	143. 0	144. 0
Total Scope 2 GHG Emissions with Previous and Current Year Values	145. 0	146. 0	147. 0
Total Scope 3 GHG Emissions with Previous and Current Year Values	148. 0	149. 0	150. 0
Energy-related Scope 1 and 2 Emissions with Previous and Current Year Values	151. 0	152. 0	153. 0
Total GHG Emissions with Previous and Current Year Values	154. 0	155. 0	156. 0

157.* Is your hospital or health system tracking GHG emissions as a key metric and reporting progress at regular intervals (e.g. annually)?

- ☐ Yes
- ☐ No

158.* Is the facility purchasing **carbon offsets**?

- ☒ Yes
- ☐ No

158.a* Please indicate **carbon offsets** in **MTCO2e**:

Carbon offsets should be entered as a **positive** number.

158.b* Please indicate the name of the third-party organization that has verified the offsets (e.g., The Gold Standard, Verified Carbon Standard, or The Climate Action Reserve, etc.) or further describe the offset project:

In **Table B**, please list the three (or more) top emission reduction efforts in the past year. Reduction metrics must be in **metric tons of CO2e**. Examples of mitigation programs could include energy efficiency projects, **renewable energy** installations, alternative transportation programs,

recycling, composting, animal product reduction, water reduction activities, and waste anesthetic gas minimization.

Please carefully select the appropriate Scope for your emissions reductions projects below. If you are unsure what Scope the project falls under, please review the tables above or select **Don't know**.

Table B. Current Year GHG Emission Reductions

Project Description	Scope Emissions	MTCO2e Savings	Dollar Savings (list total savings (+) or expenditure (-))
159.*	160.*	161.*	162.*
	Select an option... ▾		
163.*	164.*	165.*	166.*
	Select an option... ▾		
167.*	168.*	169.*	170.*
	Select an option... ▾		
171.*	172.*	173.*	174.*
	Select an option... ▾		
175.*	176.*	177.*	178.*
	Select an option... ▾		
Total		179.	180.
		0	0

Demonstrating Climate Leadership

181. Please describe the organization's work to add or increase the use of **renewable energy** sources within its energy portfolio. If your facility is not currently purchasing or generating **renewable energy**, what are the key barriers to moving forward with cleaner energy projects?

182. 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 on the Energy page of this application, the **percentage of the facility's energy portfolio from renewable sources** is:

0

Please note that this question pulls directly from the Energy page of the application and cannot be edited on this page.

183.* Has the hospital or health system set either a **GHG reduction** or **renewable energy goal**?

- ☒ Yes
- ☐ No

Please indicate in the table below if the organization has set a **goal related to climate** and indicate which scope the goal applies to, the target year for reductions, the baseline year for the goal, and the projected annual reductions in metric tons of CO2e.

Goal Type	Goal applies to:	Percent reduction (if applicable)	Target Year	Baseline Year	Projected Annual Reductions in GHGs (in MTCO2e)
Carbon Net Positive	183.a*	183.b*	183.c*	183.d*	183.e*
	Select an option ▾				
Carbon Neutral	183.f*	100	183.g*	183.h*	183.i*
	Select an option ▾				
Greenhouse Gas Reduction	183.j*	183.k*	183.l*	183.m*	183.n*
	Select an option ▾				

Renewable Energy	183.o* Select an option ▼	183.p*	183.q*	183.r*	183.s*
Aggressive Energy Reduction	183.t* Select an option ▼	183.u*	183.v*	183.w*	183.x*
Other	183.y* Select an option ▼	183.z*	183.aa*	183.ab*	183.ac*

184.* Has the facility made a formal external commitment to climate change or signed a commitment?

- ☒ Yes
☐ No

184.a* Please select all external commitments to climate change:

- ☐ Health Care Climate Challenge
☐ HHS Health Sector Climate Pledge
☐ Race to Zero
☐ Federal/state/regional/local commitment
☐ Health Care Climate Council
☐ Divestment from or frozen future investments in fossil fuels
☐ Coolfood Pledge
☒ Other

For more information on different public climate change commitments, see the [Coolfood Pledge](#), the [Health Care Climate Challenge](#), the [Health Care Climate Council](#), the [Presidents' Leadership Commitment](#), and [We Are Still In](#).

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

184.a.b* Please indicate which other climate commitment the facility has signed onto.

Points will not be awarded for having a climate commitment unless the specific commitment information is provided.

The following question pertains to **policy advocacy** and is not applicable to federal facilities. For federal facility applicants, please select "Federal Facility".

185.* Has the facility advocated for or promoted policies or regulations that **protect public health from the causes of climate change** (e.g. testifying or submitting comments at public hearings, OpEds, sign-on letters/statements, meeting with public officials to educate or lobby)?

- ☒ Yes
☐ No
☐ Federal facility
☐ Not applicable

185.a* Please select all that apply to advocacy work on protecting public health from climate change:

- ☐ At the local level
☐ At the state level
☐ At the federal level

185.b* Please describe any advocacy work around climate and health and/or provide links or attachments below.

185.c* Please attach any supporting documentation regarding advocacy work around climate and health.

186.* Has the facility provided **education** on the connection between climate and health to its staff, patients, clinicians and/or the community?

- ☒ Yes
☐ No

186.a* Please select all that apply to providing education on the connection between climate and health:

- ☐ Staff
☐ Patients
☐ Community

- ☐ Physicians
☐ Nurses
☐ Other Health Professionals

186.b* Please attach examples of material used for **climate and health education** (e.g., presentations, brochures, fact sheets, posters).

187.* Has the facility provided **Green Employee Benefits** to support climate change solutions for their employees at home? Please select all that apply:

- ☐ Employee Home Solar Discounts
☐ Electric Bicycle Discounts
☐ CSAs
☐ Fossil Fuel Free Retirement Options
☐ Alternative Transportation Discounts/Stipends
☒ Other

Learn more about [Green Employee Benefits](#).

187.a* Please describe other Green Employee Benefits offered:

188.* Has your facility incorporated climate change language or a [connection to climate change](#) in activities of the **Community Health Needs Assessment** process for community benefit?

- ☒ Yes
☐ No

188.a* Please describe language or connection related to climate change in the Community Health Needs Assessment:

189.* Does the facility/health system monitor air quality and notify vulnerable patient populations?

- ☒ Yes
☐ No

189.a* Please describe air quality monitoring and notification program:

190.* Has the facility worked directly with community members or organizations to address **climate-related health impacts** and/or provide clean energy alternatives to underserved populations who are more vulnerable to climate impacts?

- ☒ Yes
☐ No

190.a* Please describe any initiatives that **reduce climate-related health impacts** for underserved populations:

191.* Does the facility/health system's CEO or Board of Directors identify climate change as a business risk by requiring regular reporting on climate change mitigation and preparedness?

- ☐ Yes
☐ No

Climate Resilience

192. Has the facility been impacted in the past year by an **extreme weather event** (e.g., forest fire, hurricane, drought, derecho, flooding)?

- ☒ Yes
☐ No

192.a Please describe the weather event and any resulting impacts on the hospital and/or local community:

193.*

Has the facility developed a **climate resilience plan** for continuous operations in the face of a changing climate and an increasing number of climate-related weather extremes (cold or heat waves, hurricanes, droughts, flooding, wildfires, tornados)?

Yes

No

193.a*

Please attach **climate resilience plan**:

194.*

Did the climate resilience plan **anticipate the needs** of groups in the community that experience disproportionate risk of climate-related harm?

Yes

No

194.a*

Please describe how the climate resilience plan took these **high-risk groups** into account:

Please indicate how the facility has been working on **protecting infrastructure and building community resilience initiatives** around climate change:

Analyzed local disaster risks due to climate change and its role in addressing them.	<div>195.*</div> <div>Select an option...</div>
Reviewed the evidence of health risks from climate change (from local public health epidemiology/vulnerability assessments: e.g. migration of vector borne diseases, extreme heat, etc.) that may impact its community.	<div>196.*</div> <div>Select an option...</div>
Participated in city, regional, or state climate resilience planning efforts.	<div>197.*</div> <div>Select an option...</div>
Acted on one or more of top vulnerabilities to improve the resilience of building infrastructure, energy, water, and food systems.	<div>198.*</div> <div>Select an option...</div>
Engaged in long term activities that restore and improve functioning ecosystem services in order to foster more resilient communities (e.g. working to preserve or restore ecosystem services - forests, coastal zones, wetlands, river basins, fisheries).	<div>199.*</div> <div>Select an option...</div>
Included climate risks in both facility and regional emergency preparedness planning.	<div>200.*</div> <div>Select an option...</div>
Completed an assessment tool (such as the Building Health Care Sector Resilience Toolkit , and developed an action plan to address climate change-related building and infrastructure vulnerabilities.	<div>201.*</div> <div>Select an option...</div>

Learn more with the [Climate Resilience Plan Elements for Healthcare Organizations](#) guide, the climate resilience toolkit **Primary Protection: Enhancing Health Care Resilience for a Changing Climate** from the US Department of Health & Human Services, or the HCWH and PwC report **Safe Haven in the Storm: Protecting lives and margins with climate-smart health care**.

Other Climate Program Successes

Please describe any other **projects, savings, successes or innovations** in the Climate program at your facility in 2023 in the spaces provided below. Please feel free to provide commentary and/or attach a file.

202.*

Climate Program Success 1: Please describe

203.*

Please attach any additional documentation (optional) for Climate Program Success 1:

204.*

Climate Program Success 2: Please describe

205. * Please attach any additional documentation (optional) for Climate program Success 2:

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