



Greenhouse Gas Emissions

Baseline Year 2021

December 2024

Version 1

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Who We Are

Northern Light Health is an integrated healthcare delivery system, located in the State of Maine. Northern Light and its subsidiaries provide a broad range of healthcare and related services throughout Maine. We are a non-profit organization comprised of ten member hospitals, primary care locations, cancer care, continuing care facilities, home health/hospice services, a multi-branch retail pharmacy, occupational health clinics, emergency and medical transport, as well as the “home office” system entities. Our more than 10,000 employees provide care and services to hundreds of thousands of patients in Maine.

As a major provider of healthcare services to the people of Maine and a leader in the health and wellness field, we are taking steps to minimize our environmental impact while providing excellent care in a sustainable manner. While uncoordinated efforts to decrease environmental impacts and increase climate resiliency have been in progress for years, Northern Light Health formalized its commitment to these efforts in 2022, with the formation of an employee-driven Climate Health team, and again in 2023 when we signed the U.S. Department of Health and Human Services Health Sector Climate Pledge to reduce emissions 50% by 2030 and achieve net zero emissions by 2050. The greenhouse gas emissions estimates contained within this document are for calendar year 2021, which has been selected as our baseline year for the purposes of emissions accounting and evaluating our progress toward carbon neutrality.

For the purposes of greenhouse gas accounting, we are publishing our best estimates of greenhouse gas emissions from the following Northern Light Health member organizations, as well those of the System.

Northern Light Acadia Hospital (Acadia) is an acute care, short stay psychiatric hospital located in Bangor, Maine, and provides a full continuum of mental and behavioral health services for children, teens, and adults. A subsidiary, Northern Light Acadia Healthcare, provides an alcohol and drug treatment program, adult and children’s case management services, school-based services, employee assistance programs, mental health services integrated within primary care practices, and other mental health community services. Acadia is one of few Maine hospitals designated solely to psychiatric health, and as such, serves the majority of the State of Maine. In 2021, Acadia had 68 staffed beds (annual average), and the equivalent of 550 full-time employees.

Northern Light A.R. Gould Hospital (A.R. Gould) is a community hospital in Presque Isle, Maine, with 89 licensed beds (approximately 76 available). A.R. Gould has family and specialty practices in Caribou, Fort Fairfield and Presque Isle, Maine, as well as Northern Light Continuing Care Mars Hill, a 72-bed facility providing long-term care, skilled nursing, and rehabilitation services in Mars Hill, Maine. A. R. Gould’s primary service area is comprised of communities in rural and geographically isolated Aroostook County in Northern Maine. In 2021, A. R. Gould had 53 staffed beds (annual average), and the equivalent of 767 full-time employees.

Northern Light Blue Hill Hospital (Blue Hill) is a critical access hospital located in Blue Hill, Maine (25 licensed beds, approximately 10 available), and has family and specialty practices in Blue Hill, Castine, Deer Isle-Stonington, and Bucksport. Blue Hill’s service area is the peninsular region of Hancock County, which includes remote coastal towns and island communities, as well as tourists and seasonal residents. In 2021, Blue Hill had 25 staffed beds (annual average), and the equivalent of 175 full-time employees.

Northern Light CA Dean Hospital (C. A. Dean) is a critical access hospital (25 licensed beds, approximately 14 available) and long-term care facility in Greenville, Maine, and has family and specialty practices in Greenville, Monson, and Sangerville. C.A. Dean serves the residents of remote, rural areas in northern Somerset and Piscataquis counties, as well as tourists and seasonal residents in the Moosehead Lake/North Woods region. In 2021, C. A. Dean had 25 staffed beds (annual average), and the equivalent of 114 full-time employees.

Northern Light Eastern Maine Medical Center (EMMC) is an acute care tertiary medical center located in Bangor, Maine (411 licensed beds, approximately 343 available), which provides a variety of inpatient and ambulatory healthcare services. Our system's flagship facility, EMMC and its staff of more than 450 physicians provides primary, specialty, and intensive care services in the Bangor area, and is a level II trauma center that serves communities throughout central, eastern, and northern Maine. Primary and specialty services are offered in Bangor, Orono, Brewer, and Hampden. In 2021, EMMC had 401 staffed beds (annual average), and the equivalent of 3116 full-time employees.

Northern Light Inland Hospital (Inland) is a community hospital located in Waterville, Maine (48 licensed beds, approximately 35 available), with primary and specialty care physician offices in Waterville, Oakland, Unity, and Madison, and a continuing care center (**Lakewood**) on the Inland campus. Inland serves predominantly eastern Kennebec, Somerset, and Waldo Counties, including densely settled and rural areas. In 2021, Inland had 33 staffed beds (annual average), and the equivalent of 311 full-time employees. In 2021, Lakewood was a 105-bed facility, and had the equivalent of 78 full-time employees.

Northern Light Maine Coast Hospital (Maine Coast) is an acute care hospital located in Ellsworth, Maine (64 licensed beds, approximately 45 available) with primary and specialty practices in Ellsworth, Gouldsboro, Southwest Harbor, Somesville, and Bar Harbor. Maine Coast provides emergency, primary and specialty care, acute inpatient, diagnostic, and surgical services. Maine Coast Hospital is a full-service hospital primarily serving both Hancock and western Washington Counties; coastal areas that are home to both rural communities and prime vacation destinations. In 2021, Maine Coast had 45 staffed beds (annual average), and the equivalent of 383 full-time employees.

Northern Light Mayo Hospital (Mayo) is a critical access hospital located in Dover-Foxcroft, Maine (25 licensed beds, 25 available), and has family and specialty practices in Corinth, Dexter, Dover-Foxcroft, and Milo. Mayo Hospital provides advanced medical services to more than 26,000 residents in rural Piscataquis, Penobscot, and Somerset counties, which are also popular locations for vacation homes and tourists. In 2021, Mayo had 25 staffed beds (annual average), and the equivalent of 289 full-time employees.

Northern Light Mercy Hospital (Mercy) is an acute care hospital in Portland, Maine (200 licensed beds, approximately 77 available), and is a sponsored ministry of the Sisters of Mercy of the Americas. Mercy provides inpatient and outpatient medical, surgical, and obstetrical/gynecological care, and has family and specialty practices in Portland, South Portland, Yarmouth, Falmouth, Windham, and Gorham. Located in Maine's largest city, Mercy provides care in Maine's most densely populated and culturally diverse region, with its primary service area being Cumberland and eastern York Counties. In 2021, construction was completed on a new, modern facility that consolidated all hospital operations onto one campus. In 2021, Mercy had 102 staffed beds (annual average), and the equivalent of 951 full-time employees.

Northern Light Sebecook Valley Hospital (SVH) is a critical access hospital located in Pittsfield, Maine (25 licensed beds, 25 available), and has family practices in Pittsfield, Newport, and Clinton, as well as specialty practices in Pittsfield. SVH serves a largely rural area in central Maine, including areas of parts of Somerset and Penobscot Counties primarily, and Kennebec and Waldo Counties secondarily. In 2021, SVH had 25 staffed beds (annual average), and the equivalent of 212 full-time employees.

Northern Light Health Home Office (Home Office) provides shared administrative services at the system level to all member organizations of Northern Light Health. The Home Office functions out of the Cianchette Building in Brewer, Maine, and also has employees based around the state at system locations and working remotely.

For the purposes of greenhouse gas accounting in this document, the Home Office figures also include those of the following Northern Light Health entities:

Northern Light Work Health (Work Health) provides occupational and workplace healthcare services. Work Health currently has seven clinics located in Bangor, Dover-Foxcroft, Ellsworth, Pittsfield, Portland, Presque Isle, and Waterville.

Northern Light Health Foundation (Foundation) holds and manages funds without donor restrictions and funds with donor restrictions for the benefit of various Northern Light Health companies and other exempt organizations in Maine. The Foundation has dedicated employees located across the system and plans and manages a number of events each year.

Beacon Health, LLC (Beacon) contracted with payors to provide population health management services and care coordination. Beacon no longer exists as a separate entity, and the employees and functions are now part of the Northern Light Health Home Office.

Affiliated Labs (Affiliated) was a subsidiary organization providing medical laboratory services to Northern Light Health. More information can be found in the Scope Notes section.

In 2021, the Home Office, inclusive of the entities noted above, had the equivalent of 2309 full-time employees.

Northern Light Home Care & Hospice (Home Care & Hospice) provides home health, inpatient and community-based hospice, telehealth, palliative care, and community health services statewide, with home care locations in South Portland, Waterville, Ellsworth, Bangor, and Presque Isle. Home Care & Hospice clinicians make more than 160,000 in-home visits each year caring for an average of 1,400 people on any given day. Home Care & Hospice also plans and staffs immunization clinics, adult health clinics, and education and awareness events for all ages, across the State of Maine. In 2021, Home Care & Hospice had the equivalent of 340 full-time employees.

Northern Light Pharmacy operates retail pharmacies in Bangor, Brewer, Ellsworth, Waterville, and Portland. Northern Light Pharmacy also operates a division that provides mail order and specialty medications and operates several delivery vehicles. In 2021, Northern Light Pharmacy had the equivalent of 70 full-time employees.

Northern Light Medical Transport (Medical Transport) provides emergency ambulance services to several communities and rural areas in Maine. Medical Transport also provides non-emergency ambulance and wheelchair transportation to destinations throughout New England. Medical Transport operates several ambulances, including a dedicated neonatal transport vehicle and a critical care transport ambulance. For the purposes of greenhouse gas accounting, much of NLMT's Scope 1 and 2 emissions are rolled into those of other Northern Light member organizations where they are physically based. In 2021, Medical Transport had the equivalent of 79 full-time employees.

Scope Notes

Northern Light Health has adopted the International Greenhouse Gas Protocol Corporate Standard ([Corporate Standard | GHG Protocol](#)) as our framework for emissions analysis and have defined our scope and metrics accordingly. We have defined our scope using the “control” approach which includes organizations and entities over which we have direct control.

LifeFlight of Maine, a statewide air ambulance service that is a partner of Northern Light Health is excluded from our System emissions accounting, as they have independent oversight and so do not fall under NLH’s direct control.

In 2021, Affiliated Laboratories, Inc was a subsidiary organization providing medical laboratory services to Northern Light Health. In December 2022 NLH lab functions were acquired by Quest Diagnostics, an entity external to Northern Light Health and outside Northern Light’s direct control. Approximately 340 Affiliated/Northern Light employees were rebadged as Quest employees. Affiliated Labs was under the direct control of Northern Light in 2021 and emissions associated with lab employees and functions have been estimated and included in this document but may not be included in Northern Light’s emissions accounting in future years. Emissions associated with Affiliated have been incorporated into the Home Office calculations.

In 2023, Northern Light Health embarked upon a strategic partnership with Optum, Inc to transfer management of multiple administrative services. This resulted in approximately 1,400 Northern Light employees being rebadged as Optum employees. Optum is an entity external to Northern Light Health and outside Northern Light’s direct control, but the employees and functions managed by Optum today were under the direct control of Northern Light in 2021. Greenhouse gas emissions associated with those employees and functions are included within the estimates in this document but may not be included in Northern Light’s emissions accounting in the same way in future years.

In 2024, Northern Light Health announced a collaboration with Compass One Healthcare to transfer operations of hospital-based environmental services and food and nutrition services to Compass One. This will result in approximately 500 Northern Light employees being rebadged as Compass One employees. Compass One Healthcare is an entity external to Northern Light Health and outside Northern Light’s direct control, but the employees and functions managed transferring to Compass One were under the direct control of Northern Light in 2021. Greenhouse gas emissions associated with those employees and functions are included within the estimates in this document but may not be included in Northern Light’s emissions accounting in the same way in future years.

Calculation Notes

Emissions reported in this document have been predominantly estimated using the Health Care Emissions Impact Calculator tool made available to organizational members of Practice Greenhealth (<https://practicegreenhealth.org>). Use of this calculator tool has been attributed in the notes as “Practice Greenhealth Calculator”. Calculations performed outside of the calculator tool are explained in the notes, with methodology and source references as applicable.

In three cases, greenhouse gas emissions data sources are only available at the system level, not at the individual member organization level. Those have been reported and annotated accordingly in the “Additional System-level Emissions” section.

Emissions are summarized below, rounded to the nearest MT CO₂e, but are calculated to at least the hundredth’s place. For this reason, the summaries may not appear to sum exactly from the rounded numbers.

Northern Light Acadia Hospital

Scope 1

Heating/Cooling: 694 MT CO₂e

Mobile Combustion: 7 MT CO₂e

Fugitive Emissions: 9 MT CO₂e

Scope 1 Total: 710 MT CO₂e

Scope 2

Electricity: 503 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 991 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 6 MT CO₂e

Category 4, Upstream Transportation & Distribution: 299 MT CO₂e

Category 5, Waste: 42 MT CO₂e

Category 6, Business Travel: 5 MT CO₂e

Category 7, Employee Commuting: 641 MT CO₂e

Category 8, Upstream Leased Assets: 6 MT CO₂e

Category 9, Patient Visits: 1,534 MT CO₂e

Category 11, Use of Sold Products: 0 MT CO₂e

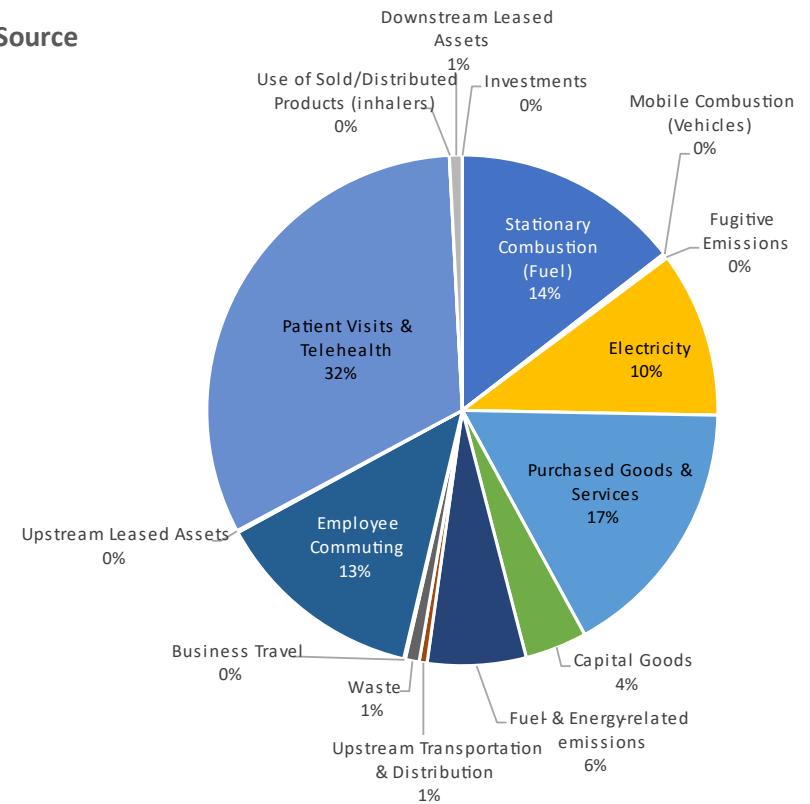
Category 13, Downstream Leased Assets: 39 MT CO₂e

Category 15, Investments: 0 MT CO₂e

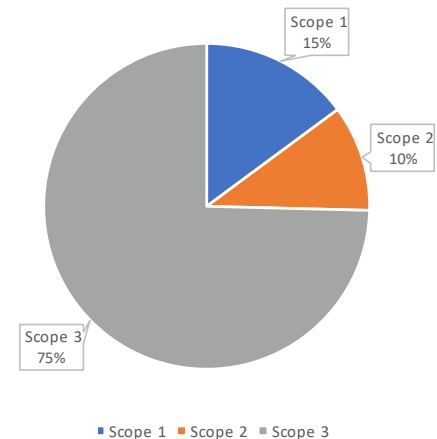
Scope 3 Total: 3,563 MT CO₂e

Northern Light Acadia Hospital Total: 4,776 metric tons CO₂e

Emissions by Source



Emissions by Scope



Northern Light Acadia Hospital Notes

- 1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.
- 1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.
- 1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.
- 1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
- 2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.
- 3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
- 3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year
- 3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.
- 3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
- 3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
- 3.D.a. Waste volumes estimates calculated using the following industry standards, per Alex Siva at Casella.
 - 3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³
 - 3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³
 - 3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³
 - 3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³
 - 3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³
 - 3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.
 - 3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% of the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.
 - 3.D.c. Recyclable paper processed by SOS are reported in 2021 Fiscal Year data, rather than Calendar Year.

Northern Light Acadia Hospital Notes, continued

3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.

3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3. E. b. Emissions from personal and rental vehicle use for business purposes are calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).

3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.

3.F.a. Employee counts based on 12/31/21.

3.F.b. PRN employees are included in the counts as part-time employees.

3.G. Scope 3 Category 8 Upstream Leased Assets data collected from internal records. Emissions calculated using Practice Greenhealth calculator.

3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.

3.H.a. Inpatient discharge data used as a proxy for “inpatient visits”; there were more discharges than admissions in 2021, so this is a conservative estimate.

3.H.b. Telehealth average length of visit data unavailable; 20 minutes is used as an estimate.

3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.

3.I. Scope 3 Category 11 Use of Sold Products; no data. At NLH, Category 11 emissions are generally associated with metered dose inhalers, and as a behavioral health hospital, Acadia is unlikely to have sold/distributed a significant quantity of metered dose inhalers.

3.J. Scope 3 Category 13 Downstream Leased Assets data collected from internal records. Emissions calculated using Practice Greenhealth calculator.

3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light A. R. Gould Hospital

Scope 1

Heating/Cooling: 3,999 MT CO₂e

Mobile Combustion: 214 MT CO₂e

Fugitive Emissions: 211 MT CO₂e

Scope 1 Total: 4,424 MT CO₂e

Scope 2

Electricity: 1,654 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 5,666 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 1,331 MT CO₂e

Category 4, Upstream Transportation & Distribution: 63 MT CO₂e

Category 5, Waste: 179 MT CO₂e

Category 6, Business Travel: 72 MT CO₂e

Category 7, Employee Commuting: 924 MT CO₂e

Category 8, Upstream Leased Assets: 0 MT CO₂e

Category 9, Patient Visits: 2,428 MT CO₂e

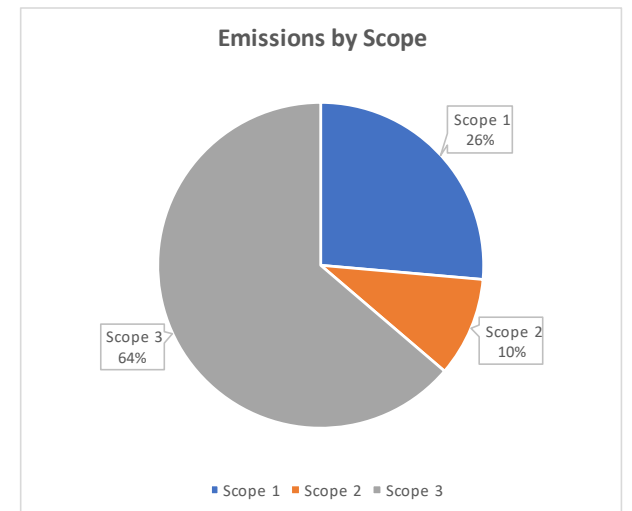
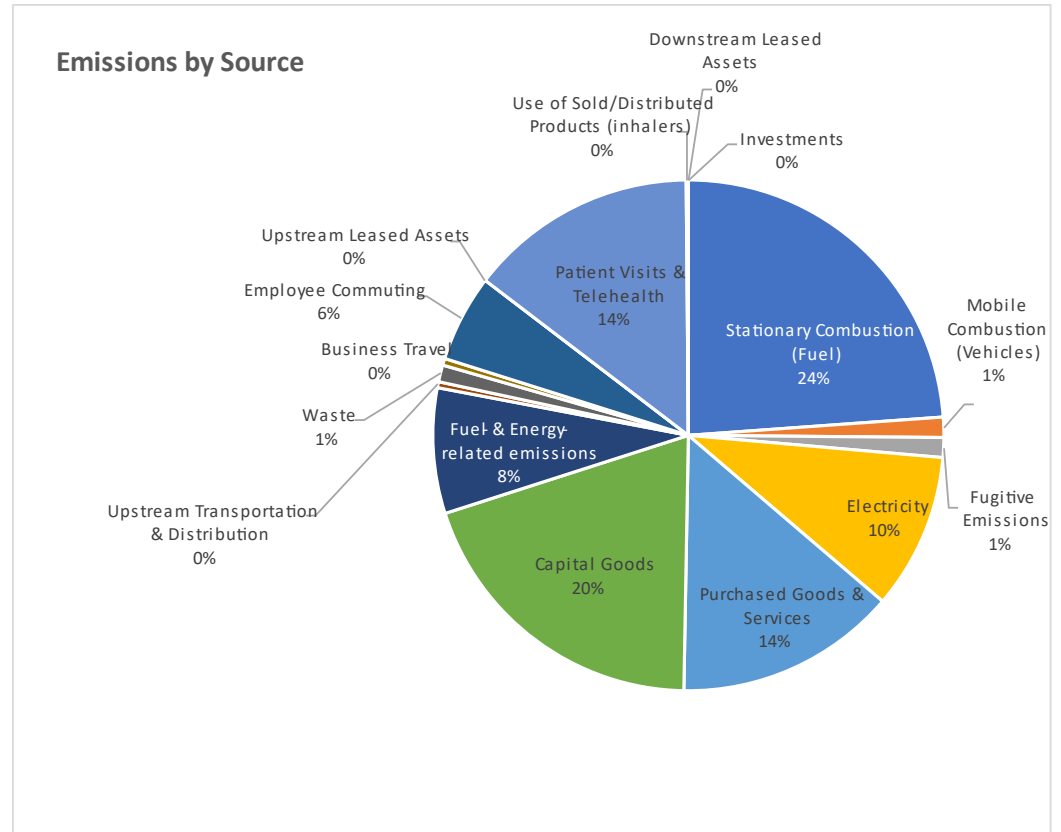
Category 11, Use of Sold Products: 23 MT CO₂e

Category 13, Downstream Leased Assets: 0 MT CO₂e

Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 10,686 MT CO₂e

Northern Light A. R. Gould Hospital Total: 16,764 metric tons CO₂e



Northern Light A. R. Gould Hospital Notes

1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.

1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.

1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.

1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

1.D. Scope 1 Fugitive Emissions from inhaled anesthetics are calculated at the System level (refer to Additional System-level Calculations), except for CO₂ and N₂O which are included in this section and estimated using the Practice Greenhealth calculator.

2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.

2.A.a. A.R. Gould is part of a Canadian electrical grid. For the purposes of estimating with the Practice Greenhealth calculator, the NEWE NPCC grid was selected to make the formulae work, but since the Canadian grid sources predominantly renewable hydroelectric power, A.R. Gould's Scope 2 emissions are likely overestimated here.

3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.

3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

3.D.a. Waste volume estimates calculated using the following industry standards, per Alex Siva at Casella.

3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³

3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³

3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³

3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³

3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³

3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.

Northern Light A. R. Gould Hospital Notes, continued

- 3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% of the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.
- 3.D.c. Recyclables processed by SOS are reported in 2021 Fiscal Year data, rather than Calendar Year.
- 3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.
- 3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
- 3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.E.b. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).
- 3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.
- 3.F.a. Employee counts based on 12/31/21.
- 3.F.b. PRN employees are included in the counts as part-time employees.
- 3.G. Scope 3 Category 8 Upstream Leased Assets; no data. All A.R. Gould's leased assets are included in Scopes 1 & 2.
- 3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.
- 3.H.a. Inpatient discharge data used as a proxy for "inpatient visits"; there were more discharges than admissions in 2021, so this is a conservative estimate.
- 3.H.b. Telehealth average length of visit data unavailable; 20 minutes is used as an estimate.
- 3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.I. Scope 3 Category 11 Use of Sold Products emissions at A.R. Gould are predominantly derived from distributed metered dose inhalers. Counts and types of metered dose inhalers have been collected from internal records, and emissions have been estimated based upon inhaler type. Emissions associated with all other sold/distributed products are included in Scope 3, Categories 1 & 2 as purchased goods.
- 3.I.a. Inhaler emissions calculated using the CO₂E per inhaler estimates published in "Greenhouse Gas Emissions and Costs of Inhaler Devices in the US" by Tirumalasetty, Miller, and Prescott, in Journal of American Medicine (JAMA) August 29, 2024.
- 3.I.b. Emissions related to the use of inhalers (from the propellants) are captured here. The purchase data of these inhalers is also included in Scope 3 Category 2 as a Purchased Good, to reflect the emissions associated with manufacturing and procurement.
- 3.J. Scope 3 Category 13 Downstream Leased Assets; no data. A.R. Gould has no downstream leased assets.
- 3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Blue Hill Hospital

Scope 1

Heating/Cooling: 758 MT CO₂e
 Mobile Combustion: 1 MT CO₂e
 Fugitive Emissions: 12 MT CO₂e

Scope 1 Total: 771 MT CO₂e

Scope 2

Electricity: 435 MT CO₂e

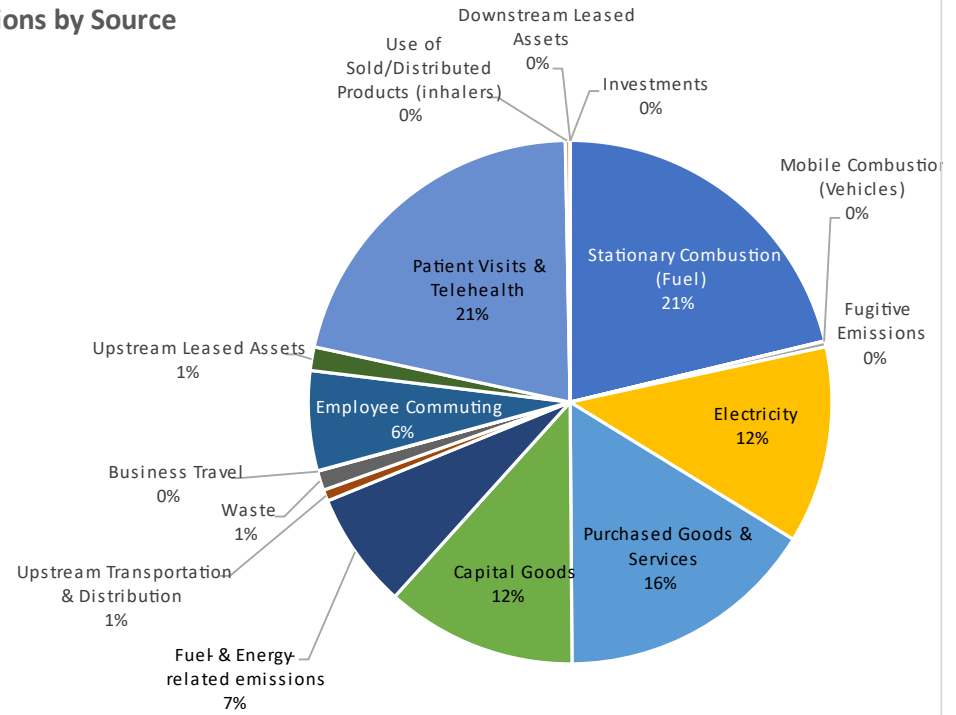
Scope 3

Category 1 & Category 2, Products, Goods & Services: 996 MT CO₂e
 Category 3, Fuel & Fuel-Related Activities: 256 MT CO₂e
 Category 4, Upstream Transportation & Distribution: 25 MT CO₂e
 Category 5, Waste: 43 MT CO₂e
 Category 6, Business Travel: 1 MT CO₂e
 Category 7, Employee Commuting: 220 MT CO₂e
 Category 8, Upstream Leased Assets: 52 MT CO₂e
 Category 9, Patient Visits: 761 MT CO₂e
 Category 11, Use of Sold Products: 11 MT CO₂e
 Category 13, Downstream Leased Assets: 0 MT CO₂e
 Category 15, Investments: 0 MT CO₂e

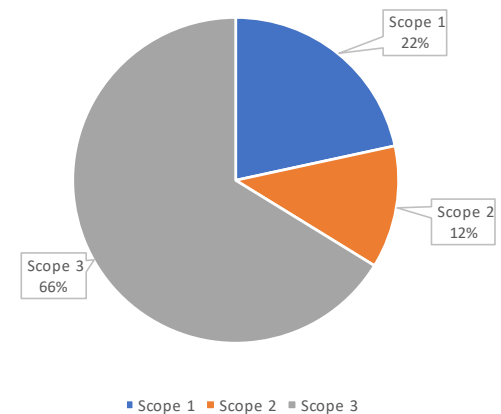
Scope 3 Total: 2,365 MT CO₂e

Northern Light Blue Hill Hospital Total: 3,571 metric tons CO₂e

Emissions by Source



Emissions by Scope



Northern Light Blue Hill Hospital Notes

- 1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.
 - 1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.
- 1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.
- 1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
- 1.D. Scope 1 Fugitive Emissions from inhaled anesthetics are calculated at the System level (refer to Additional System-level Calculations), except for N₂O which are included in this section, and estimated using the Practice Greenhealth calculator.
- 2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.
- 3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year
- 3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.
- 3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
 - 3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.
 - 3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³
 - 3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³
 - 3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³
 - 3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³
 - 3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³
 - 3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.
 - 3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.

Northern Light Blue Hill Hospital Notes, continued

- 3.D.c. Recyclables processed by SOS and Give IT-Get IT are reported in 2021 Fiscal Year data, rather than Calendar Year.
- 3.D.d. Water volume data sourced from invoices and internal records were used as a proxy for wastewater volume when wastewater invoices were unavailable.
- 3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.
 - 3.E.b. Emissions from personal and rental vehicle use for business purposes are calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).
- 3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.
 - 3.F.a. Employee counts based on 12/31/21.
 - 3.F.b. PRN employees are included in the counts as part-time employees.
- 3.G. Scope 3 Category 8 Upstream Leased Assets data collected from internal records where not otherwise accounted. Emissions calculated using Practice Greenhealth calculator.
 - 3.G.a. Blue Hill Hospital's leased assets with known utilities data are included in Scopes 1 & 2.
- 3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.
 - 3.H.a. Inpatient discharge data used as a proxy for "inpatient visits"; there were more discharges than admissions in 2021, so this is a conservative estimate.
 - 3.H.b. Telehealth average length of visit data unavailable; 20 minutes is used as an estimate.
 - 3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.I. Scope 3 Category 11 Use of Sold Products emissions at Blue Hill Hospital are predominantly derived from distributed metered dose inhalers. Counts and types of metered dose inhalers have been collected from internal records, and emissions have been estimated based upon inhaler type. Emissions associated with all other sold/distributed products are included in Scope 3, Categories 1 & 2 as purchased goods.
 - 3.I.a. Inhaler emissions calculated using the CO₂E per inhaler estimates published in "Greenhouse Gas Emissions and Costs of Inhaler Devices in the US" by Tirumalasetty, Miller, and Prescott, in Journal of American Medicine (JAMA) August 29, 2024.
 - 3.I.b. Emissions related to the use of inhalers (from the propellants) are captured here. The purchase data of these inhalers is also included in Scope 3 Category 2 as a Purchased Good, to reflect the emissions associated with manufacturing and procurement.
- 3.J. Scope 3 Category 13 Downstream Leased Assets; no data. Blue Hill Hospital has no downstream leased assets.
- 3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light C.A. Dean Hospital

Scope 1

Heating/Cooling: 368 MT CO₂e
 Mobile Combustion: 11 MT CO₂e
 Fugitive Emissions: 7 MT CO₂e

Scope 1 Total: 386 MT CO₂e

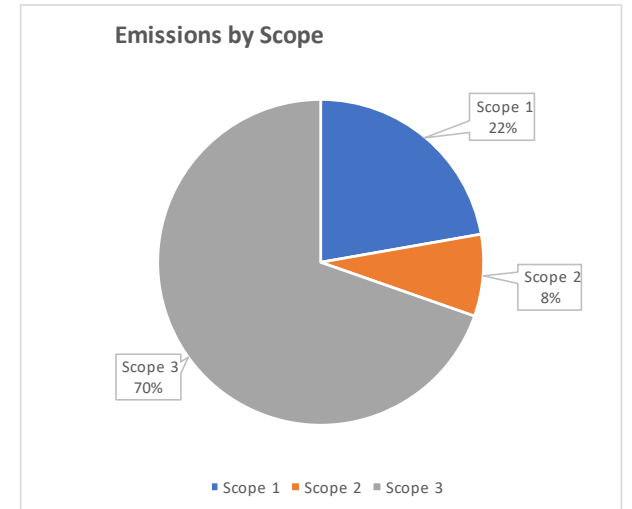
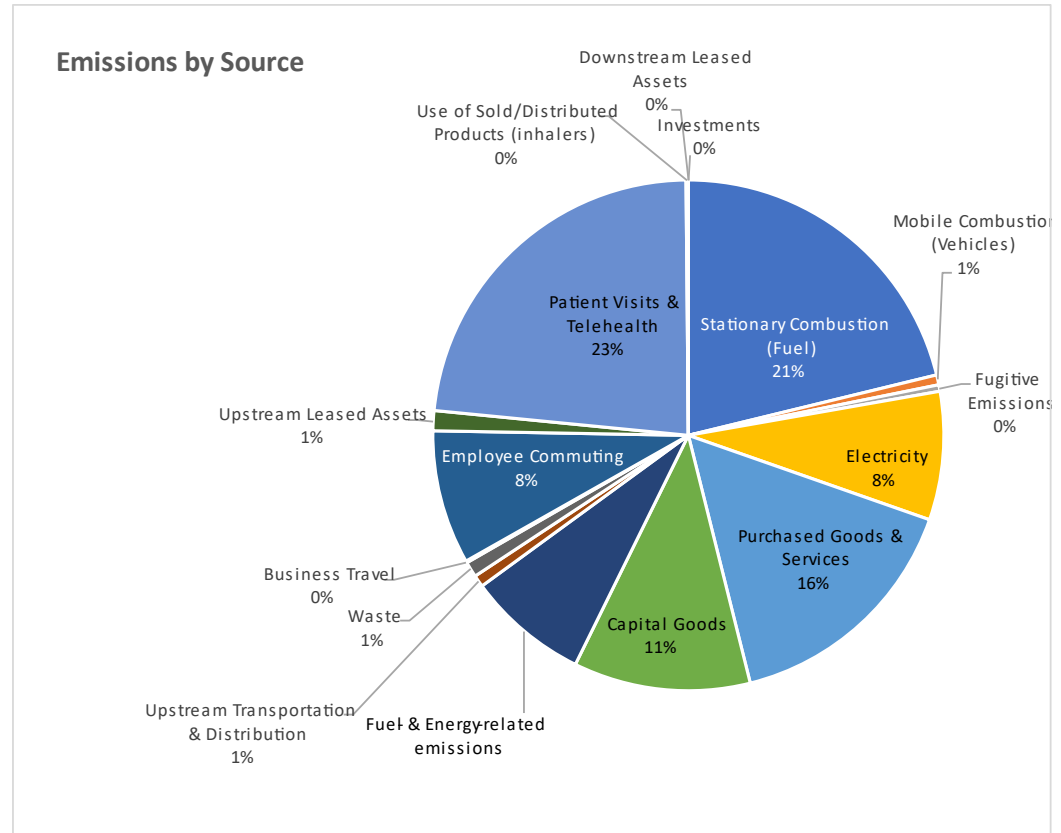
Scope 2

Electricity: 141 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 467 MT CO₂e
 Category 3, Fuel & Fuel-Related Activities: 133 MT CO₂e
 Category 4, Upstream Transportation & Distribution: 13 MT CO₂e
 Category 5, Waste: 17 MT CO₂e
 Category 6, Business Travel: 2 MT CO₂e
 Category 7, Employee Commuting: 147 MT CO₂e
 Category 8, Upstream Leased Assets: 22 MT CO₂e
 Category 9, Patient Visits: 404 MT CO₂e
 Category 11, Use of Sold Products: 3 MT CO₂e
 Category 13, Downstream Leased Assets: 0 MT CO₂e
 Category 15, Investments: 0 MT CO₂e
Scope 3 Total: 1,208 MT CO₂e

Northern Light C. A. Dean Hospital Total: 1,734 metric tons CO₂e



Northern Light C. A. Dean Hospital Notes

1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.

1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.

1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.

1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

1.D. Scope 1 Fugitive Emissions from inhaled anesthetics are calculated at the System level (refer to Additional System-level Calculations) and estimated using the Practice Greenhealth calculator.

2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.

3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year

3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.

3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.

3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³

3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³

3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³

3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³

3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³

3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.

3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.

Northern Light C. A. Dean Hospital Notes, continued

3.D.c. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.

3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.E.b. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).

3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.

3.F.a. Employee counts based on 12/31/21.

3.F.b. PRN employees are included in the counts as part-time employees.

3.G. Scope 3 Category 8 Upstream Leased Assets data collected from internal records where not otherwise accounted. Emissions calculated using Practice Greenhealth calculator.

3.G.a. C.A. Dean's leased assets with known utilities data are included in Scopes 1 & 2.

3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.

3.H.a. Inpatient discharge data used as a proxy for "inpatient visits"; there were more discharges than admissions in 2021, so this is a conservative estimate.

3.H.b. Telehealth average length of visit data unavailable; 20 minutes is used as an estimate.

3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.

3.I. Scope 3 Category 11 Use of Sold Products emissions at C. A. Dean Hospital are predominantly derived from distributed metered dose inhalers. Counts and types of metered dose inhalers have been collected from internal records, and emissions have been estimated based upon inhaler type. Emissions associated with all other sold/distributed products are included in Scope 3, Categories 1 & 2 as purchased goods.

3.I.a. Inhaler emissions calculated using the CO₂E per inhaler estimates published in "Greenhouse Gas Emissions and Costs of Inhaler Devices in the US" by Tirumalasetty, Miller, and Prescott, in Journal of American Medicine (JAMA) August 29, 2024.

3.I.b. Emissions related to the use of inhalers (from the propellants) are captured here. The purchase data of these inhalers is also included in Scope 3 Category 2 as a Purchased Good, to reflect the emissions associated with manufacturing and procurement.

3.J. Scope 3 Category 13 Downstream Leased Assets; no data. C. A. Dean Hospital has no downstream leased assets.

3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light EMMC

Scope 1

Heating/Cooling: 26,445 MT CO₂e

Mobile Combustion: 51 MT CO₂e

Fugitive Emissions: 145 MT CO₂e

Scope 1 Total: 26,641 MT CO₂e

Scope 2

Electricity: 2,000 MT CO₂e

Scope 3

Categories 1 & 2, Products, Goods & Services: 39,611 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 5,212 MT CO₂e

Category 4, Upstream Transportation & Distribution: 548 MT CO₂e

Category 5, Waste: 801 MT CO₂e

Category 6, Business Travel: 48 MT CO₂e

Category 7, Employee Commuting: 3,843 MT CO₂e

Category 8, Upstream Leased Assets: 97 MT CO₂e

Category 9, Patient Visits: 7,049 MT CO₂e

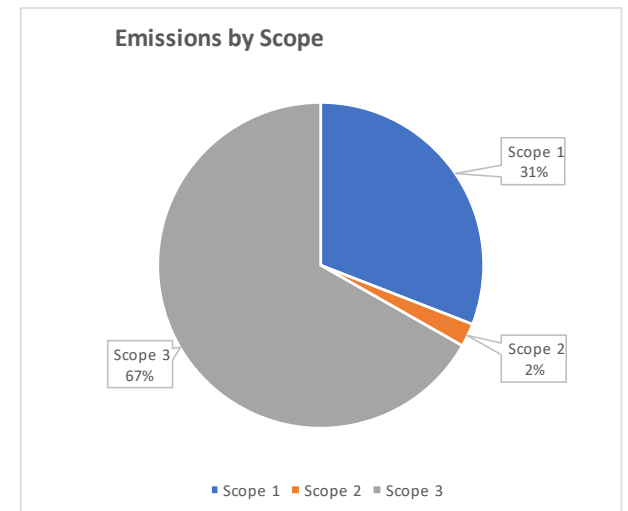
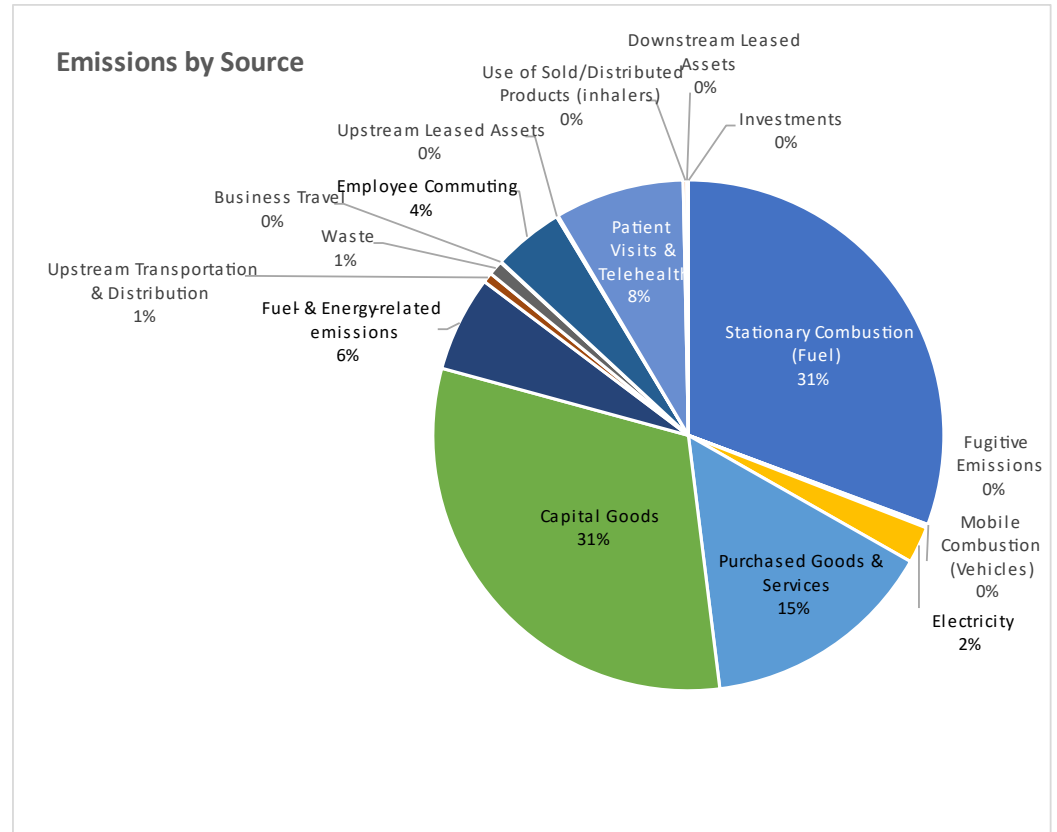
Category 11, Use of Sold Products: 195 MT CO₂e

Category 13, Downstream Leased Assets: 87 MT CO₂e

Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 57,491 MT CO₂e

Northern Light EMMC Total: 86,132 metric tons CO₂e



Northern Light Eastern Maine Medical Center Notes

- 1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.
 - 1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.
- 1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.
- 1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
- 1.D. Scope 1 Fugitive Emissions from inhaled anesthetics are calculated at the System level (refer to Additional System-level Calculations) and estimated using the Practice Greenhealth calculator.
 - 1.D.a. Eastern Maine Medical Center is our largest facility with the most operating rooms and leads the system in the use of inhaled anesthetics. Although those emissions are accounted for elsewhere in this document (see note above), they would likely make a significant difference in the percentages represented graphically if that data had been available at the facility level in 2021.
- 2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.
- 3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.A.a. Northern Light Pharmacy's Scope 3, Categories 1&2 emissions have been combined with EMMC's; this total reflects both member organizations' emissions.
 - 3.A.b. These are 2021 Fiscal Year data, rather than Calendar Year
- 3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.
- 3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.C.a. Northern Light Pharmacy's Scope 3, Category 4 emissions have been combined with EMMC's; this total reflects both member organizations' emissions.
 - 3.C.b. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
 - 3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.
 - 3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³
 - 3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³
 - 3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³
 - 3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³

Northern Light EMMC Notes, continued

3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³

3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.

3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.

3.D.c. Recyclables processed by SOS and Give IT-Get IT are reported in 2021 Fiscal Year data, rather than Calendar Year.

3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.

3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.E.a. Northern Light Pharmacy's Scope 3, Category 6 emissions have been combined with EMMC's; this total reflects both member organizations' emissions.

3.E.b. These are 2021 Fiscal Year data, rather than Calendar Year.

3.E.c. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).

3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.

3.F.a. Employee counts based on 12/31/21.

3.F.b. PRN employees are included in the counts as part-time employees.

3.G. Scope 3 Category 8 Upstream Leased Assets data collected from internal records where not otherwise accounted. Emissions calculated using Practice Greenhealth calculator.

3.G.a. EMMC's leased assets with known utilities data are included in Scopes 1 & 2.

3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.

3.H.a. Inpatient discharge data used as a proxy for "inpatient visits"; there were more discharges than admissions in 2021, so this is a conservative estimate.

3.H.b. Telehealth average length of visit data unavailable; 20 minutes is used as an estimate.

3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.

3.I. Scope 3 Category 11 Use of Sold Products emissions at EMMC are predominantly derived from distributed metered dose inhalers. Counts and types of metered dose inhalers have been collected from internal records, and emissions have been estimated based upon inhaler type. Emissions associated with all other sold/distributed products are included in Scope 3, Categories 1 & 2 as purchased goods.

Northern Light EMMC Notes, continued

3.I.a. Inhaler emissions calculated using the CO₂e per inhaler estimates published in "Greenhouse Gas Emissions and Costs of Inhaler Devices in the US" by Tirumalasetty, Miller, and Prescott, in Journal of American Medicine (JAMA) August 29, 2024.

3.I.b. Emissions related to the use of inhalers (from the propellants) are captured here. The purchase data of these inhalers is also included in Scope 3 Category 2 as a Purchased Good, to reflect the emissions associated with manufacturing and procurement.

3.J. Scope 3 Category 13 Downstream Leased Assets data collected from internal records. Emissions calculated using Practice Greenhealth calculator.

3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Home Care & Hospice

Scope 1

Heating/Cooling: 123 MT CO₂e
 Mobile Combustion: 10 MT CO₂e
 Fugitive Emissions: 0 MT CO₂e

Scope 1 Total: 133 MT CO₂e

Scope 2

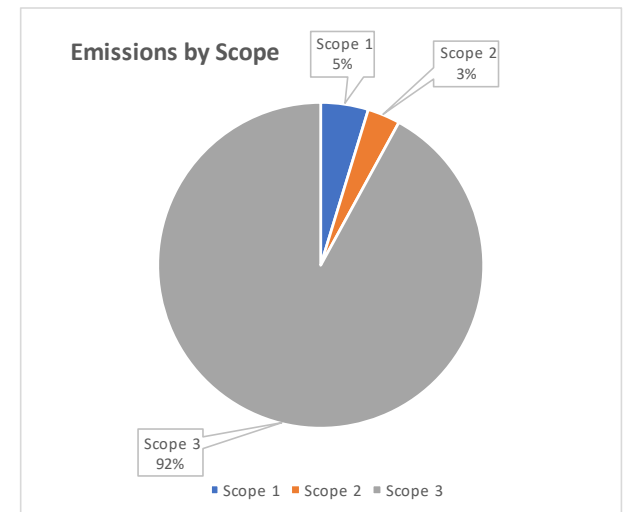
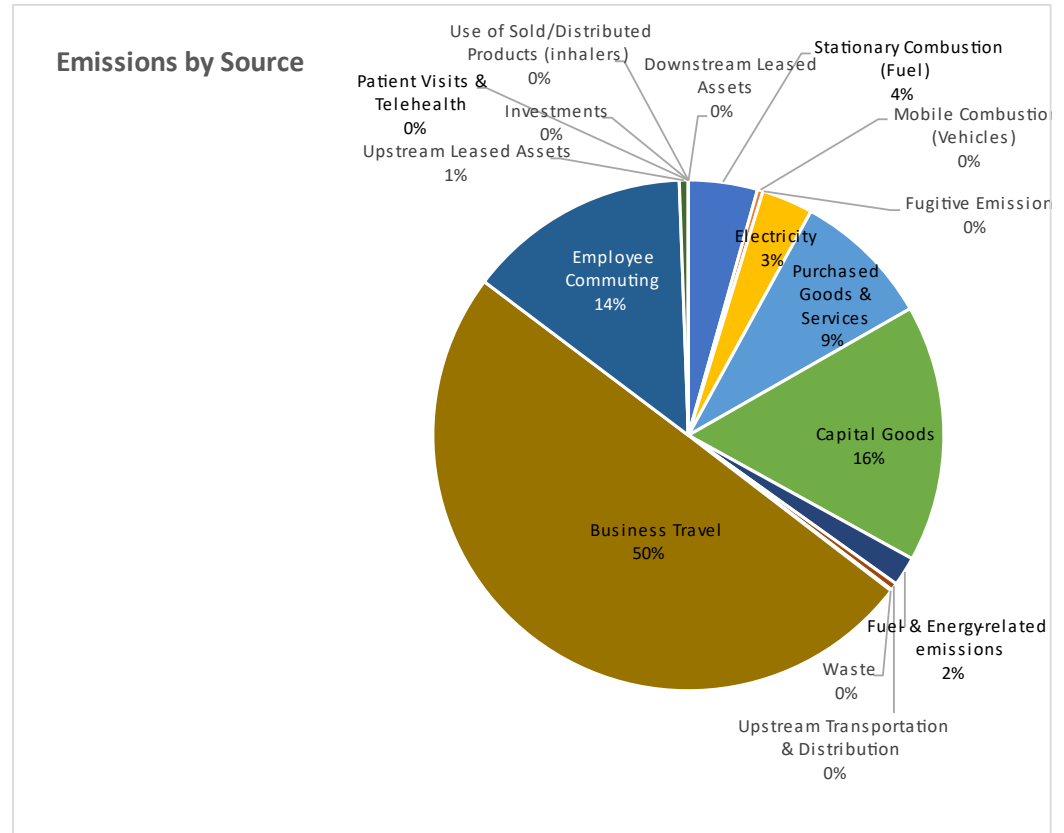
Electricity: 91 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 703 MT CO₂e
 Category 3, Fuel & Fuel-Related Activities: 52 MT CO₂e
 Category 4, Upstream Transportation & Distribution: 13 MT CO₂e
 Category 5, Waste: 2 MT CO₂e
 Category 6, Business Travel: 1,399 MT CO₂e
 Category 7, Employee Commuting: 397 MT CO₂e
 Category 8, Upstream Leased Assets: 16 MT CO₂e
 Category 9, Patient Visits: 0 MT CO₂e
 Category 11, Use of Sold Products: 0 MT CO₂e
 Category 13, Downstream Leased Assets: 0 MT CO₂e
 Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 2,582 MT CO₂e

Northern Light Home Care & Hospice Total: 2,806 metric tons CO₂e



Northern Light Home Care & Hospice Notes

1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.

1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.

1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.

1.B.a. Emissions from personal and rental vehicle use for business purposes is calculated in Scope 3 Category 6 Business Travel; see note below.

1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.

3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year

3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.

3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.

3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³

3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³

3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³

3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³

3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³

3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.

3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.

3.D.c. Recyclables processed by SOS are reported in 2021 Fiscal Year data, rather than Calendar Year.

Northern Light Home Care & Hospice Notes, continued

3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.

3.E. Scope 3 Category 6 Business Travel Emissions collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.E.a Personal and rental vehicle use for business purposes is calculated in this section from internal records of fuel reimbursement paid.

3.E.a.a. Calculation methodology: $\text{total spend (\$)} / \text{mileage reimbursement rate (\$/mile)} = \text{total miles driven}$

$\text{total miles driven (mi)} / \text{ave mileage rate (mi/gal)} = \text{total gallons fuel consumed}$

$\text{total gallons fuel} \times \text{fuel emissions factor} = \text{total mobile combustion emissions}$

97% gasoline, 3% diesel

3.E.a.b. Calculation methodology data sources: total spend, mileage reimbursement rate from internal records; ave mileage rate, gasoline/diesel ratio estimated from parking lot survey; fuel emissions factor from EPA 2021 GHG Emission Factors Hub.

3.E.b. These are 2021 Fiscal Year data, rather than Calendar Year.

3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.

3.F.a. Employee counts based on 12/31/21.

3.F.b. PRN employees are included in the counts as part-time employees.

3.G. Scope 3 Category 8 Upstream Leased Assets data collected from internal records where not otherwise accounted. Emissions calculated using Practice Greenhealth calculator.

3.G.a. Home Care & Hospice's leased assets with known utilities data are included in Scopes 1 & 2.

3.H. Scope 3 Category 9 Patient Visits emissions can be estimated, as patient home visits by Home Care & Hospice staff are tracked. However, these emissions are already being captured in the calculations for personal vehicle use for business purposes (see notes for Scope 3 Category 6, above), so they are not included in this section.

3.I. Scope 3 Category 11 Use of Sold Products; no data. Category 11 emissions at Northern Light Health are derived from distributed metered dose inhalers, and internal records indicate no inhalers distributed by Home Care & Hospice.

3.J. Scope 3 Category 13 Downstream Leased Assets; no data. Home Care & Hospice has no downstream leased assets.

3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Home Office

Scope 1

Heating/Cooling: 779 MT CO₂e
 Mobile Combustion: 6 MT CO₂e
 Fugitive Emissions: 26 MT CO₂e

Scope 1 Total: 811 MT CO₂e

Scope 2

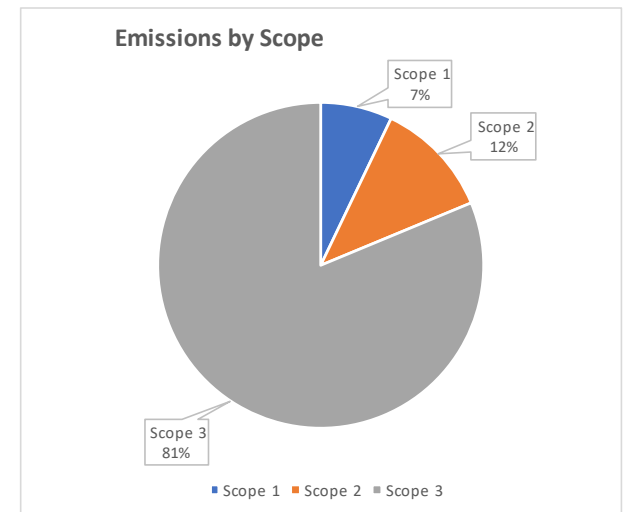
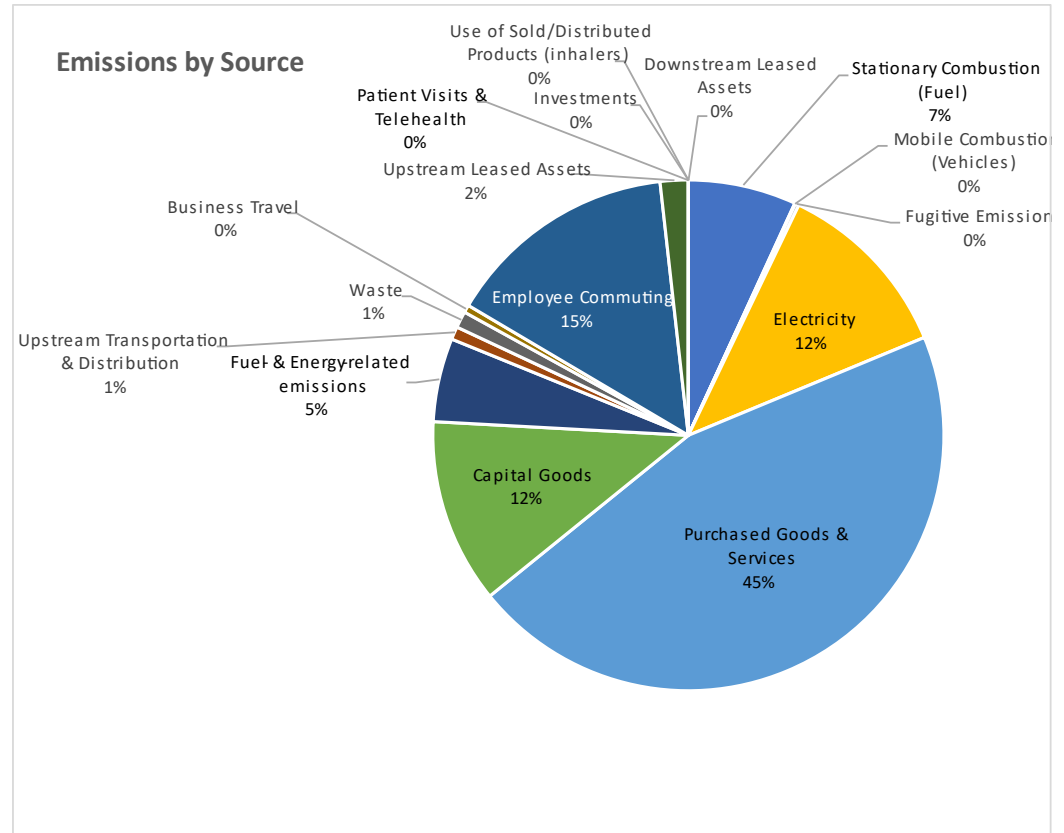
Electricity: 1,324 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 6,507 MT CO₂e
 Category 3, Fuel & Fuel-Related Activities: 603 MT CO₂e
 Category 4, Upstream Transportation & Distribution: 93 MT CO₂e
 Category 5, Waste: 119 MT CO₂e
 Category 6, Business Travel: 55 MT CO₂e
 Category 7, Employee Commuting: 1,678 MT CO₂e
 Category 8, Upstream Leased Assets: 202 MT CO₂e
 Category 9, Patient Visits: 0 MT CO₂e
 Category 11, Use of Sold Products: 0 MT CO₂e
 Category 13, Downstream Leased Assets: 0 MT CO₂e
 Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 9,257 MT CO₂e

Northern Light Home Office Total: 11,391 metric tons CO₂e



Northern Light Health Home Office Notes

- 1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.
 - 1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.
- 1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.
- 1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
- 2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.
- 3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year
- 3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.
- 3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
 - 3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.
 - 3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³
 - 3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³
 - 3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³
 - 3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³
 - 3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³
 - 3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.
 - 3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% of the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.
 - 3.D.c. Recyclables processed by SOS and Give IT-Get IT are reported in 2021 Fiscal Year data, rather than Calendar Year.
 - 3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.

Northern Light Home Office Notes, continued

3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.E.b. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).

3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.

3.F.a. Employee counts based on 12/31/21.

3.F.b. PRN employees are included in the counts as part-time employees.

3.G. Scope 3 Category 8 Upstream Leased Assets data collected from internal records where not otherwise accounted. Emissions calculated using Practice Greenhealth calculator.

3.G.a. Home Office leased assets with known utilities data are included in Scopes 1 & 2.

3.H. Scope 3 Category 9 Patient Visits; no data. No patient visits occur at the Home Office.

3.I. Scope 3 Category 11 Use of Sold Products; no data. Category 11 emissions at Northern Light Health are derived from distributed metered dose inhalers, and internal records indicate no inhalers distributed by the Home Office.

3.J. Scope 3 Category 13 Downstream Leased Assets; no data. The Home Office has no downstream leased assets.

3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Inland Hospital

Scope 1

Heating/Cooling: 1,010 MT CO₂e

Mobile Combustion: 18 MT CO₂e

Fugitive Emissions: 219 MT CO₂e

Scope 1 Total: 1,247 MT CO₂e

Scope 2

Electricity: 938 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 3,589 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 510 MT CO₂e

Category 4, Upstream Transportation & Distribution: 25 MT CO₂e

Category 5, Waste: 70 MT CO₂e

Category 6, Business Travel: 6 MT CO₂e

Category 7, Employee Commuting: 413 MT CO₂e

Category 8, Upstream Leased Assets: 73 MT CO₂e

Category 9, Patient Visits: 1,559 MT CO₂e

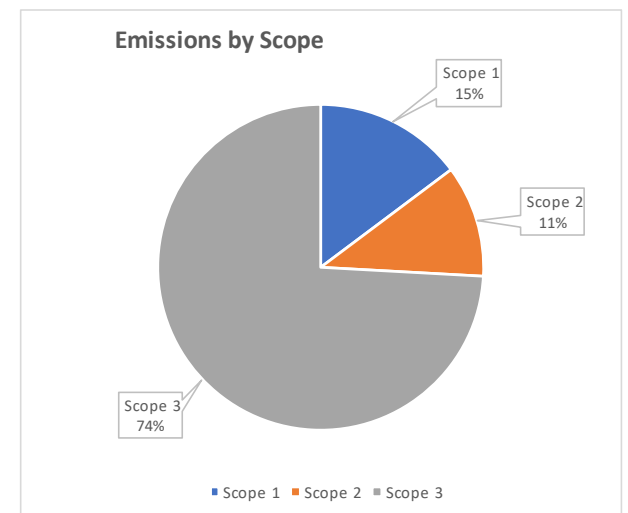
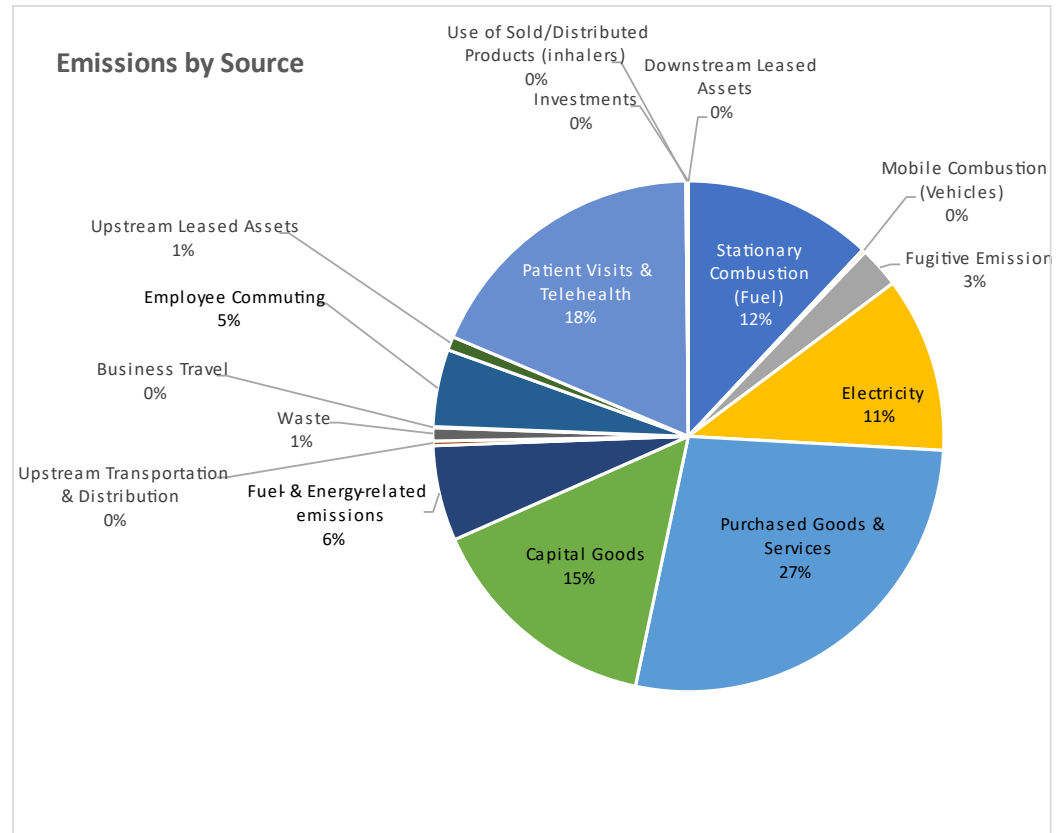
Category 11, Use of Sold Products: 14 MT CO₂e

Category 13, Downstream Leased Assets: 0 MT CO₂e

Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 6,259 MT CO₂e

Northern Light Inland Hospital Total: 8,444 metric tons CO₂e



Northern Light Inland Hospital Notes

1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.

1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.

1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.

1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

1.D. Fugitive Emissions from inhaled anesthetics are calculated at the System level (refer to Additional System-level Calculations), except for CO₂ and N₂O which are included in this section and estimated using the Practice Greenhealth calculator.

2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.

3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year

3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.

3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.

3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³

3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³

3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³

3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³

3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³

3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.

3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.

Northern Light Inland Hospital Notes, continued

- 3.D.c. Recyclables processed by SOS and Give IT-Get IT are reported in 2021 Fiscal Year data, rather than Calendar Year.
- 3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.
- 3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.
 - 3.E.b. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).
- 3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.
 - 3.F.a. Employee counts based on 12/31/21.
 - 3.F.b. PRN employees are included in the counts as part-time employees.
- 3.G. Scope 3 Category 8 Upstream Leased Assets data collected from internal records where not otherwise accounted. Emissions calculated using Practice Greenhealth calculator.
 - 3.G.a. Inland's leased assets with known utilities data are included in Scopes 1 & 2.
- 3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.
 - 3.H.a. Inpatient discharge data used as a proxy for "inpatient visits"; there were more discharges than admissions in 2021, so this is a conservative estimate.
 - 3.H.b. Telehealth average length of visit data unavailable; 20 minutes is used as an estimate.
 - 3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.I. Scope 3 Category 11 Use of Sold Products emissions at Inland are predominantly derived from distributed metered dose inhalers. Counts and types of metered dose inhalers have been collected from internal records, and emissions have been estimated based upon inhaler type. Emissions associated with all other sold/distributed products are included in Scope 3, Categories 1 & 2 as purchased goods.
 - 3.I.a. Inhaler emissions calculated using the CO₂E per inhaler estimates published in "Greenhouse Gas Emissions and Costs of Inhaler Devices in the US" by Tirumalasetty, Miller, and Prescott, in Journal of American Medicine (JAMA) August 29, 2024.
 - 3.I.b. Emissions related to the use of inhalers (from the propellants) are captured here. The purchase data of these inhalers is also included in Scope 3 Category 2 as a Purchased Good, to reflect the emissions associated with manufacturing and procurement.
- 3.J. Scope 3 Category 13 Downstream Leased Assets; no data. Inland hospital has no downstream leased assets.
- 3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Lakewood Cont. Care

Scope 1

Heating/Cooling: 401 MT CO₂e
 Mobile Combustion: 5 MT CO₂e
 Fugitive Emissions: 3 MT CO₂e

Scope 1 Total: 408 MT CO₂e

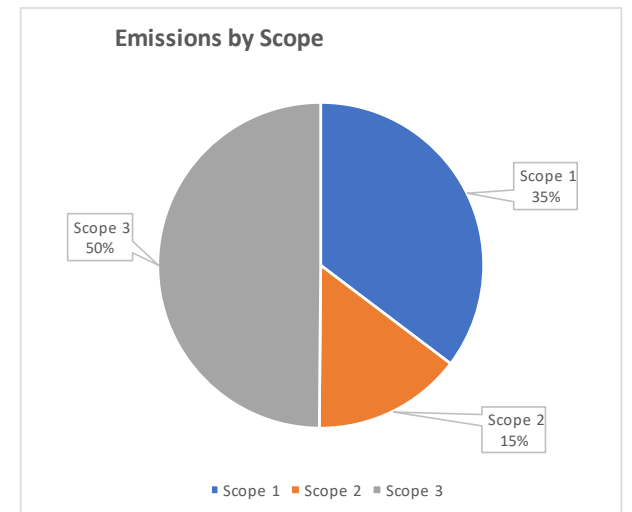
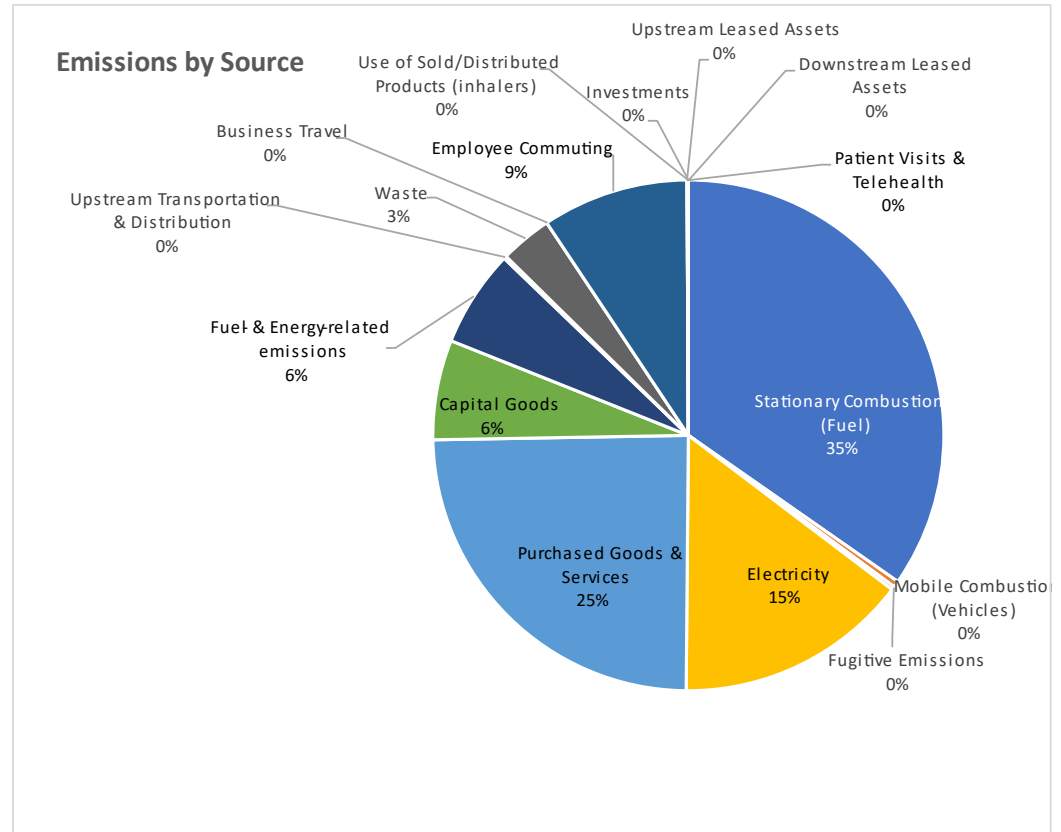
Scope 2

Electricity: 171 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 357 MT CO₂e
 Category 3, Fuel & Fuel-Related Activities: 71 MT CO₂e
 Category 4, Upstream Transportation & Distribution: 2 MT CO₂e
 Category 5, Waste: 38 MT CO₂e
 Category 6, Business Travel: 0 MT CO₂e
 Category 7, Employee Commuting: 107 MT CO₂e
 Category 8, Upstream Leased Assets: 0 MT CO₂e
 Category 9, Patient Visits: 1 MT CO₂e
 Category 11, Use of Sold Products: 0 MT CO₂e
 Category 13, Downstream Leased Assets: 0 MT CO₂e
 Category 15, Investments: 0 MT CO₂e
Scope 3 Total: 576 MT CO₂e

Northern Light Lakewood Total: 1,155 metric tons CO₂e



Northern Light Lakewood Continuing Care Notes

1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.

1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.

1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.

1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.

3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year

3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.

3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.

3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³

3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³

3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³

3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³

3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³

3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.

3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.

3.D.c. Recyclables processed by SOS are reported in 2021 Fiscal Year data, rather than Calendar Year.

3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.

Northern Light Lakewood Continuing Care Notes, continued

3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.E.b. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).

3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.

3.F.a. Employee counts based on 12/31/21.

3.F.b. PRN employees are included in the counts as part-time employees.

3.G. Scope 3 Category 8 Upstream Leased Assets; no data. Lakewood has no upstream leased assets.

3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.

3.H.a. Long Term Care discharge data used as a proxy for “inpatient visits”.

3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.

3.I. Scope 3 Category 11 Use of Sold Products; no data. Category 11 emissions at Northern Light Health are derived from distributed metered dose inhalers, and internal records indicate no inhalers distributed by Lakewood.

3.J. Scope 3 Category 13 Downstream Leased Assets; no data. Lakewood has no downstream leased assets.

3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Maine Coast Hospital

Scope 1

Heating/Cooling: 2,152 MT CO₂e

Mobile Combustion: 18 MT CO₂e

Fugitive Emissions: 107 MT CO₂e

Scope 1 Total: 2,276 MT CO₂e

Scope 2

Electricity: 1,257 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 2,856 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 947 MT CO₂e

Category 4, Upstream Transportation & Distribution: 80 MT CO₂e

Category 5, Waste: 101 MT CO₂e

Category 6, Business Travel: 6 MT CO₂e

Category 7, Employee Commuting: 470 MT CO₂e

Category 8, Upstream Leased Assets: 20 MT CO₂e

Category 9, Patient Visits: 1,467 MT CO₂e

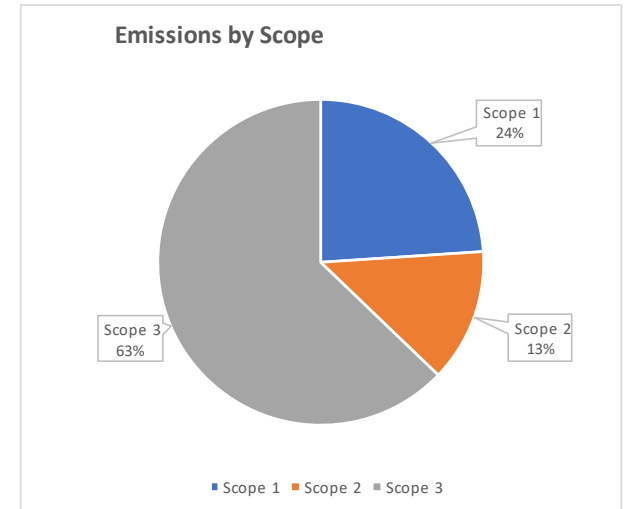
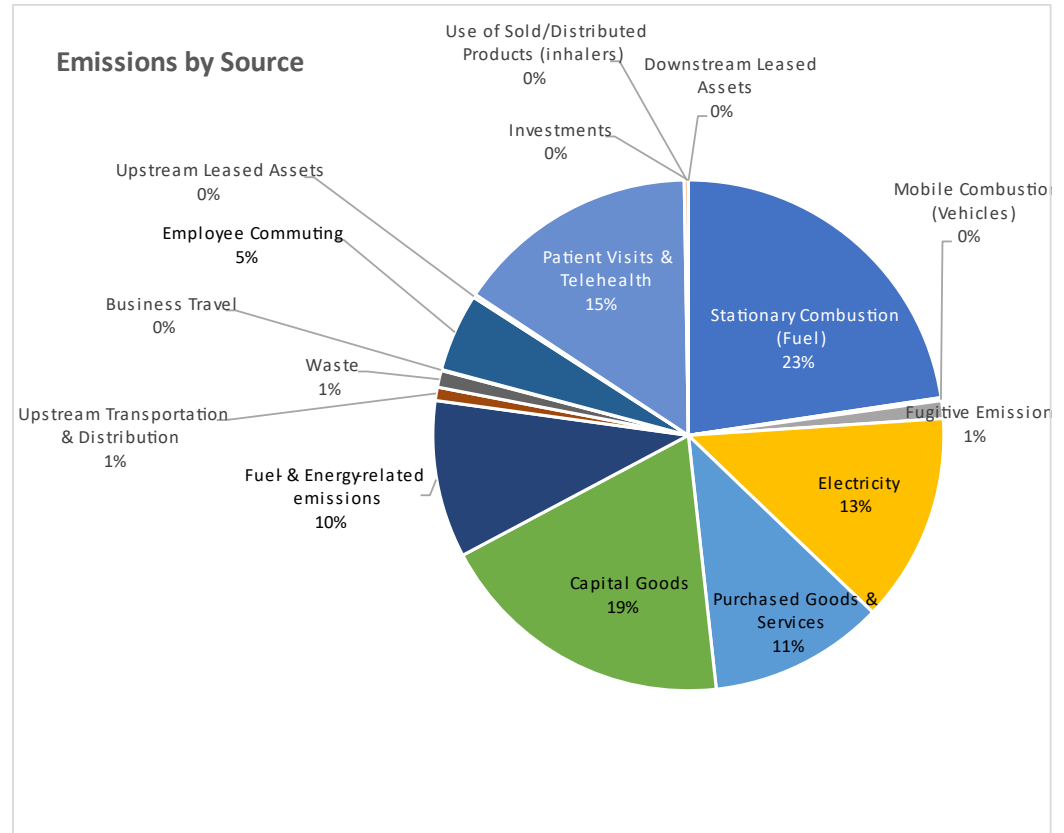
Category 11, Use of Sold Products: 25 MT CO₂e

Category 13, Downstream Leased Assets: 0 MT CO₂e

Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 5,972 MT CO₂e

Northern Light Maine Coast Hospital Total: 9,505 metric tons CO₂e



Northern Light Maine Coast Hospital Notes

1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.

1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.

1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.

1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

1.D. Fugitive Emissions from inhaled anesthetics are calculated at the System level (refer to Additional System-level Calculations), except for CO₂ and N₂O which are included in this section and estimated using the Practice Greenhealth calculator.

2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.

3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year

3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.

3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.

3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³

3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³

3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³

3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³

3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³

3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.

3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.

Northern Light Maine Coast Hospital Notes, continued

- 3.D.c. Recyclables processed by SOS and Give IT-Get IT are reported in 2021 Fiscal Year data, rather than Calendar Year.
- 3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.
- 3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.
 - 3.E.b. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).
- 3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.
 - 3.F.a. Employee counts based on 12/31/21.
 - 3.F.b. PRN employees are included in the counts as part-time employees.
- 3.G. Scope 3 Category 8 Upstream Leased Assets data collected from internal records where not otherwise accounted. Emissions calculated using Practice Greenhealth calculator.
 - 3.G.a. Maine Coast Hospital's leased assets with known utilities data are included in Scopes 1 & 2.
- 3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.
 - 3.H.a. Inpatient discharge data used as a proxy for "inpatient visits"; there were more discharges than admissions in 2021, so this is a conservative estimate.
 - 3.H.b. Telehealth average length of visit data unavailable; 20 minutes is used as an estimate.
 - 3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.I. Scope 3 Category 11 Use of Sold Products emissions at Maine Coast Hospital are predominantly derived from distributed metered dose inhalers. Counts and types of metered dose inhalers have been collected from internal records, and emissions have been estimated based upon inhaler type. Emissions associated with all other sold/distributed products are included in Scope 3, Categories 1 & 2 as purchased goods.
 - 3.I.a. Inhaler emissions calculated using the CO₂E per inhaler estimates published in "Greenhouse Gas Emissions and Costs of Inhaler Devices in the US" by Tirumalasetty, Miller, and Prescott, in Journal of American Medicine (JAMA) August 29, 2024.
 - 3.I.b. Emissions related to the use of inhalers (from the propellants) are captured here. The purchase data of these inhalers is also included in Scope 3 Category 2 as a Purchased Good, to reflect the emissions associated with manufacturing and procurement.
- 3.J. Scope 3 Category 13 Downstream Leased Assets; no data. Maine Coast Hospital has no downstream leased assets.
- 3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Mayo Hospital

Scope 1

Heating/Cooling: 1,613 MT CO₂e

Mobile Combustion: 93 MT CO₂e

Fugitive Emissions: 53 MT CO₂e

Scope 1 Total: 1,760 MT CO₂e

Scope 2

Electricity: 834 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 1,344 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 697 MT CO₂e

Category 4, Upstream Transportation & Distribution: 18 MT CO₂e

Category 5, Waste: 33 MT CO₂e

Category 6, Business Travel: 20 MT CO₂e

Category 7, Employee Commuting: 386 MT CO₂e

Category 8, Upstream Leased Assets: 0 MT CO₂e

Category 9, Patient Visits: 795 MT CO₂e

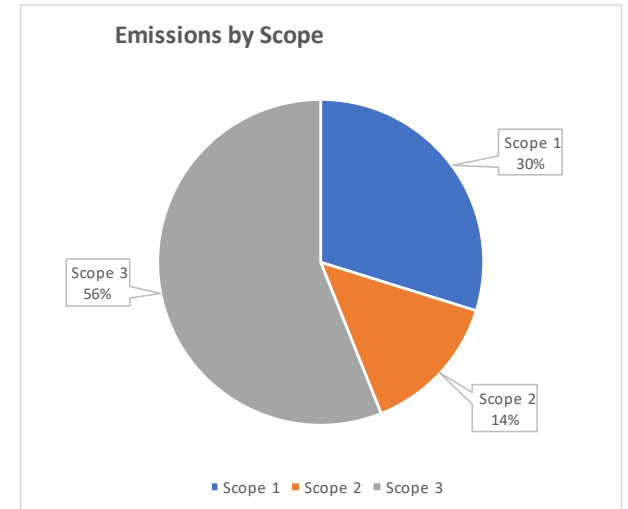
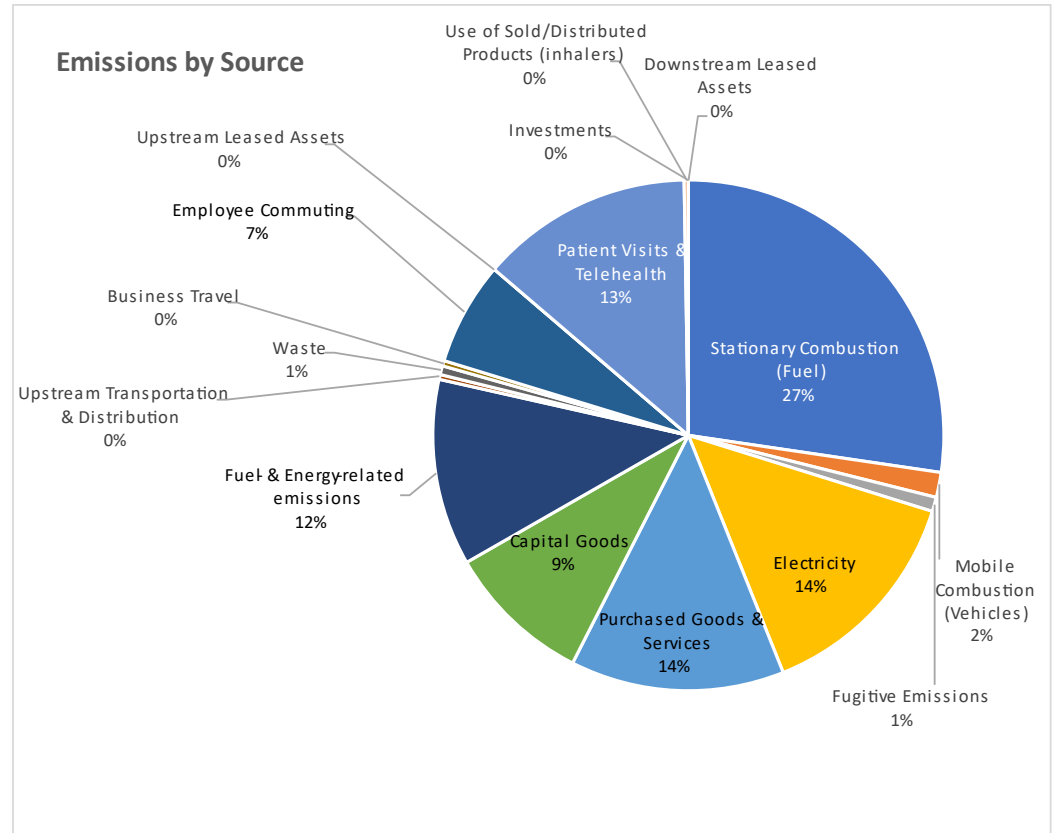
Category 11, Use of Sold Products: 16 MT CO₂e

Category 13, Downstream Leased Assets: 0 MT CO₂e

Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 3,309 MT CO₂e

Northern Light Mayo Hospital Total: 5,903 metric tons CO₂e



Northern Light Mayo Hospital Notes

- 1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.
 - 1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.
- 1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.
- 1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
- 1.D. Fugitive Emissions from inhaled anesthetics are calculated at the System level (refer to Additional System-level Calculations), except for CO₂ and N₂O which are included in this section and estimated using the Practice Greenhealth calculator.
- 2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.
- 3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year
- 3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.
- 3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
 - 3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.
 - 3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³
 - 3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³
 - 3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³
 - 3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³
 - 3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³
 - 3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.
 - 3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.

Northern Light Mayo Hospital Notes, continued

3.D.c. Recyclables processed by SOS and Give IT-Get IT are reported in 2021 Fiscal Year data, rather than Calendar Year.

3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.

3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.E.b. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).

3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.

3.F.a. Employee counts based on 12/31/21.

3.F.b. PRN employees are included in the counts as part-time employees.

3.G. Scope 3 Category 8 Upstream Leased Assets; no data. Mayo Hospital has no upstream leased assets.

3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.

3.H.a. Inpatient discharge data used as a proxy for "inpatient visits"; there were more discharges than admissions in 2021, so this is a conservative estimate.

3.H.b. Telehealth average length of visit data unavailable; 20 minutes is used as an estimate.

3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.

3.I. Scope 3 Category 11 Use of Sold Products emissions at Mayo Hospital are predominantly derived from distributed metered dose inhalers. Counts and types of metered dose inhalers have been collected from internal records, and emissions have been estimated based upon inhaler type. Emissions associated with all other sold/distributed products are included in Scope 3, Categories 1 & 2 as purchased goods.

3.I.a. Inhaler emissions calculated using the CO₂E per inhaler estimates published in "Greenhouse Gas Emissions and Costs of Inhaler Devices in the US" by Tirumalasetty, Miller, and Prescott, in Journal of American Medicine (JAMA) August 29, 2024.

3.I.b. Emissions related to the use of inhalers (from the propellants) are captured here. The purchase data of these inhalers is also included in Scope 3 Category 2 as a Purchased Good, to reflect the emissions associated with manufacturing and procurement.

3.J. Scope 3 Category 13 Downstream Leased Assets; no data. Mayo Hospital has no downstream leased assets.

3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Medical Transport

Scope 1

Heating/Cooling: 0 MT CO₂e

Mobile Combustion: 422 MT CO₂e

Fugitive Emissions: 0 MT CO₂e

Scope 1 Total: 422 MT CO₂e

Scope 2

Electricity: 0 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 228 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 117 MT CO₂e

Category 4, Upstream Transportation & Distribution: 2 MT CO₂e

Category 5, Waste: 0 MT CO₂e

Category 6, Business Travel: 42 MT CO₂e

Category 7, Employee Commuting: 125 MT CO₂e

Category 8, Upstream Leased Assets: 0 MT CO₂e

Category 9, Patient Visits: 0 MT CO₂e

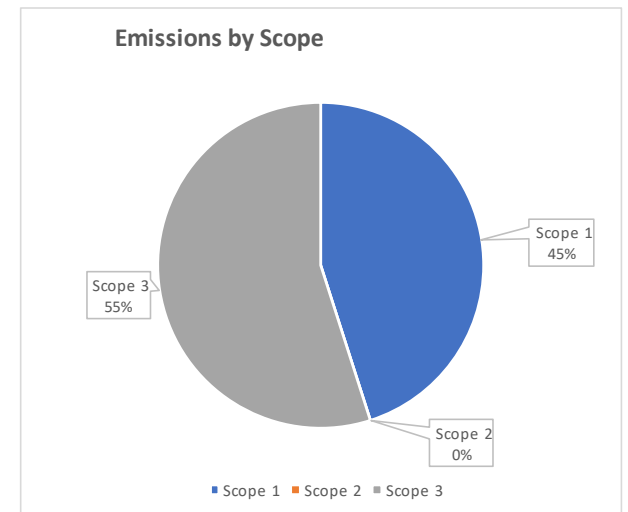
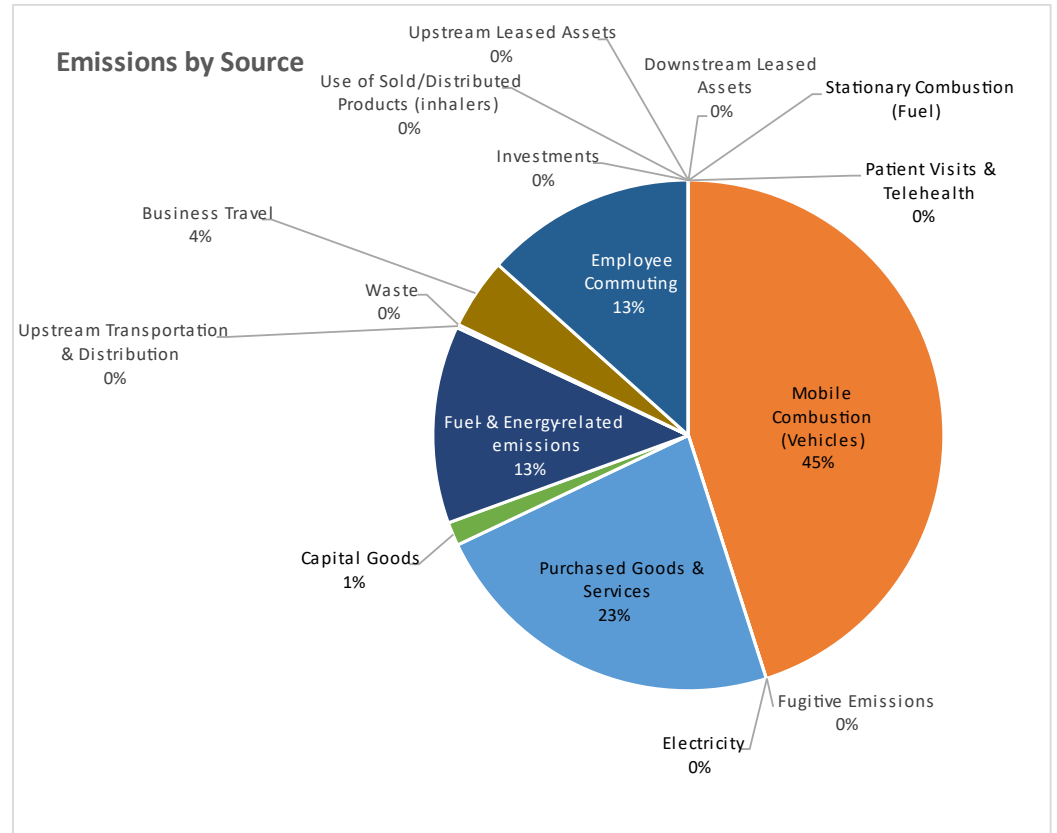
Category 11, Use of Sold Products: 0 MT CO₂e

Category 13, Downstream Leased Assets: 0 MT CO₂e

Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 514 MT CO₂e

Northern Light Medical Transport Total: 936 metric tons CO₂e



Northern Light Medical Transport Notes

- 1.A. Scope 1 Fuel; no data. Northern Light Medical Transport garages and facilities are in hospital properties of member organizations across the System. Emissions related to fuel consumption associated with NLMT are included in those hospital totals accordingly, and not separately in this section.
- 1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.
- 1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
- 1.C.a. Northern Light Medical Transport garages and facilities are in hospital properties of member organizations across the System. The majority of fugitive emissions associated with NLMT are included in those hospital totals accordingly, and not separately in this section.
- 2.A. Scope 2 Electricity; no data. Northern Light Medical Transport garages and facilities are in hospital properties of member organizations across the System. Emissions related to electricity consumption associated with NLMT are included in those hospital totals accordingly, and not separately in this section.
- 3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
- 3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year
- 3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.
- 3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
- 3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.D. Scope 3 Category 5 Waste; no data. Northern Light Medical Transport garages and facilities are in hospital properties of member organizations across the System. Emissions related to fuel consumption associated with NLMT are included in those hospital totals accordingly, and not separately in this section.
- 3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
- 3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.E.b. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations and note 1.B.b. above).
- 3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.
- 3.F.a. Employee counts based on 12/31/21.
- 3.F.b. PRN employees are included in the counts as part-time employees.
- 3.G. Scope 3 Category 8 Upstream Leased Assets; no data. Northern Light Medical Transport has no upstream leased assets.
- 3.H. Scope 3 Category 9 Patient Visits: no data. Northern Light Medical Transport transports patients, so these emissions related to patient visits would be reflected in the Scope 3 accounting of provider organizations.

Northern Light Medical Transport Notes, continued

3.I. Scope 3 Category 11 Use of Sold Products; no data. Category 11 emissions at Northern Light Health are derived from distributed metered dose inhalers, and internal records indicate no inhalers distributed by Northern Light Medical Transport.

3.J. Scope 3 Category 13 Downstream Leased Assets; no data. Northern Light Medical Transport has no downstream leased assets.

3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Mercy Hospital

Scope 1

Heating/Cooling: 3,421 MT CO₂e

Mobile Combustion: 2 MT CO₂e

Fugitive Emissions: 665 MT CO₂e

Scope 1 Total: 4,087 MT CO₂e

Scope 2

Electricity: 3,144 MT CO₂e

Scope 3

Categories 1 & 2, Products, Goods & Services: 10,336 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 1,211 MT CO₂e

Category 4, Upstream Transportation & Distribution: 166 MT CO₂e

Category 5, Waste: 145 MT CO₂e

Category 6, Business Travel: 34 MT CO₂e

Category 7, Employee Commuting: 1,302 MT CO₂e

Category 8, Upstream Leased Assets: 636 MT CO₂e

Category 9, Patient Visits: 3,118 MT CO₂e

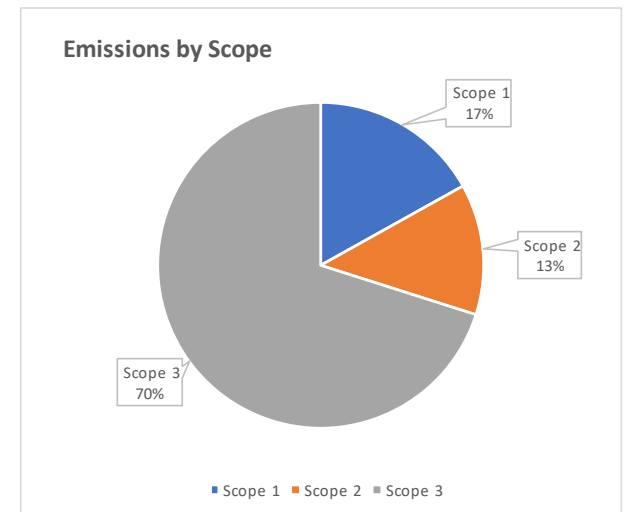
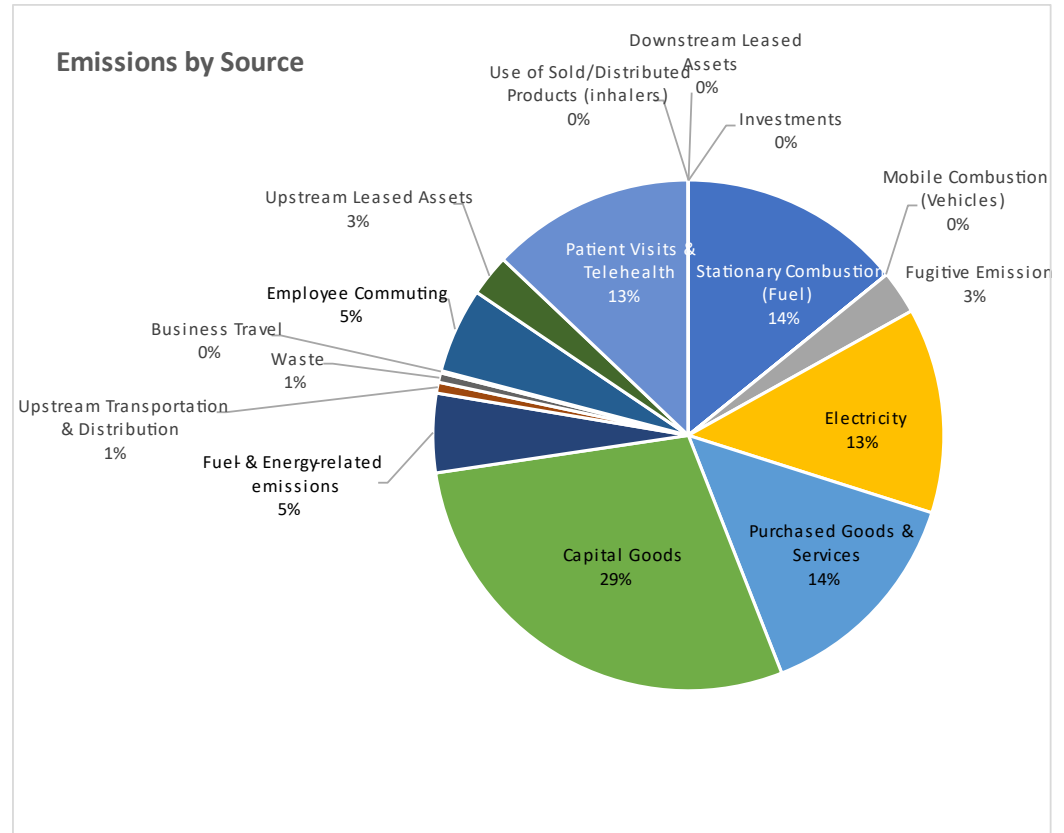
Category 11, Use of Sold Products: 3 MT CO₂e

Category 13, Downstream Leased Assets: 0 MT CO₂e

Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 16,951 MT CO₂e

Northern Light Mercy Hospital Total: 24,183 metric tons CO₂e



Northern Light Mercy Hospital Notes

- 1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.
 - 1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.
- 1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.
- 1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
- 1.D. Fugitive Emissions from inhaled anesthetics are calculated at the System level (refer to Additional System-level Calculations), except for CO₂ and N₂O which are included in this section and estimated using the Practice Greenhealth calculator.
- 2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.
- 3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year
- 3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.
- 3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
 - 3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.
 - 3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³
 - 3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³
 - 3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³
 - 3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³
 - 3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³
 - 3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.
 - 3.D.b. Recyclables processed by SOS are reported in 2021 Fiscal Year data, rather than Calendar Year.

Northern Light Mercy Hospital Notes, continued

3.D.c. Per Kevin Jenssen, MSW generated in the southern Maine area in 2021 was likely incinerated.

3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.

3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.

3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.

3.E.b. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).

3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.

3.F.a. Employee counts based on 12/31/21.

3.F.b. PRN employees are included in the counts as part-time employees.

3.G. Scope 3 Category 8 Upstream Leased Assets data collected from internal records where not otherwise accounted. Emissions calculated using Practice Greenhealth calculator.

3.G.a. Mercy Hospital's leased assets with known utilities data are included in Scopes 1 & 2.

3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.

3.H.a. Inpatient discharge data used as a proxy for "inpatient visits"; there were more discharges than admissions in 2021, so this is a conservative estimate.

3.H.b. Telehealth average length of visit data unavailable; 20 minutes is used as an estimate.

3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.

3.I. Scope 3 Category 11 Use of Sold Products emissions at Mercy are predominantly derived from distributed metered dose inhalers. Counts and types of metered dose inhalers have been collected from internal records, and emissions have been estimated based upon inhaler type. Emissions associated with all other sold/distributed products are included in Scope 3, Categories 1 & 2 as purchased goods.

3.I.a. Inhaler emissions calculated using the CO₂E per inhaler estimates published in "Greenhouse Gas Emissions and Costs of Inhaler Devices in the US" by Tirumalasetty, Miller, and Prescott, in Journal of American Medicine (JAMA) August 29, 2024.

3.I.b. Emissions related to the use of inhalers (from the propellants) are captured here. The purchase data of these inhalers is also included in Scope 3 Category 2 as a Purchased Good, to reflect the emissions associated with manufacturing and procurement.

3.J. Scope 3 Category 13 Downstream Leased Assets; no data. Mercy has no downstream leased assets.

3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Pharmacy

Scope 1

Heating/Cooling: 25 MT CO₂e

Mobile Combustion: 14 MT CO₂e

Fugitive Emissions: 0 MT CO₂e

Scope 1 Total: 38 MT CO₂e

Scope 2

Electricity: 74 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 0 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 34 MT CO₂e

Category 4, Upstream Transportation & Distribution: 0 MT CO₂e

Category 5, Waste: 32 MT CO₂e

Category 6, Business Travel: 0 MT CO₂e

Category 7, Employee Commuting: 111 MT CO₂e

Category 8, Upstream Leased Assets: 0 MT CO₂e

Category 9, Patient Visits: 0 MT CO₂e

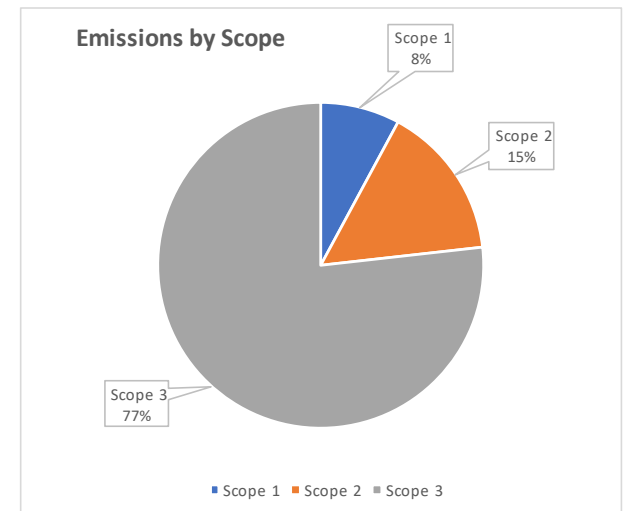
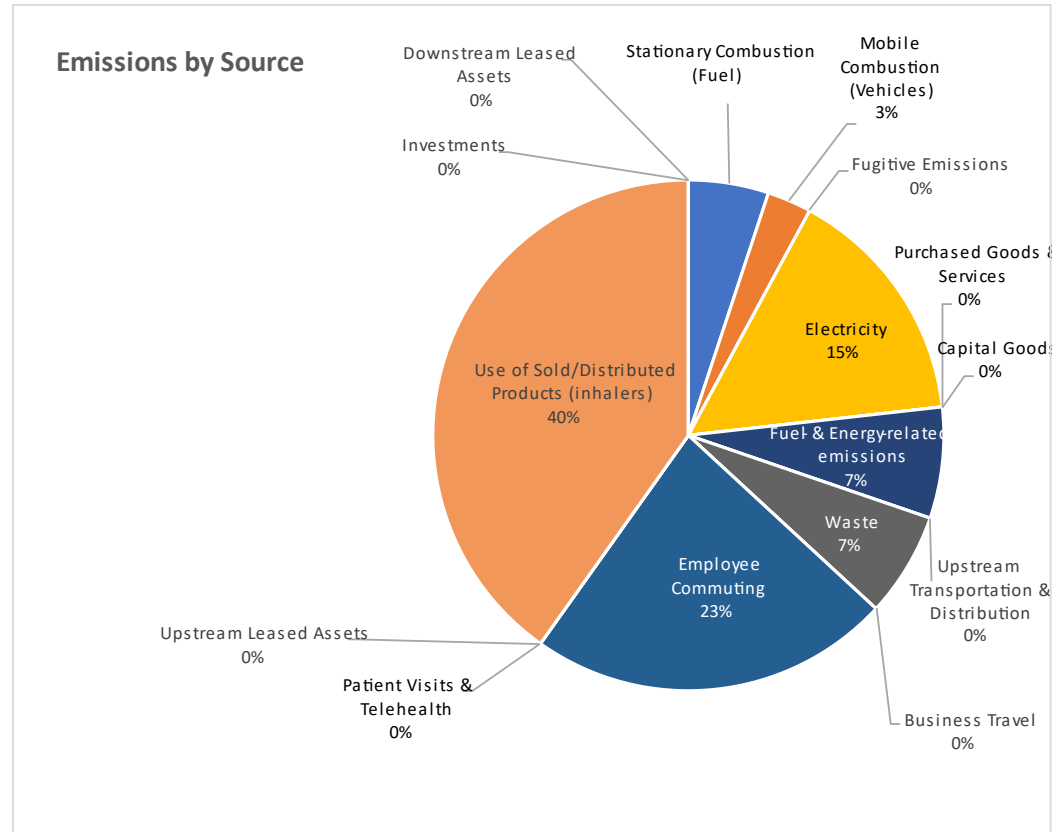
Category 11, Use of Sold Products: 194 MT CO₂e

Category 13, Downstream Leased Assets: 0 MT CO₂e

Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 371 MT CO₂e

Northern Light Pharmacy Total: 484 metric tons CO₂e



Northern Light Pharmacy Notes

1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.

1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.

1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.

1.C. Scope 1 Fire Suppression and refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.

3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services; Northern Light Pharmacy's Scope 3, Categories 1&2 emissions have been combined with EMMC's. Refer to EMMC total and notes, above.

3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.

3.C. Scope 3 Category 4 Upstream Transportation & Distribution; Northern Light Pharmacy's Scope 3, Category 4 emissions have been combined with EMMC's. Refer to EMMC total and notes, above.

3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.

3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.

3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³

3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³

3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³

3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³

3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yard³

3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.

3.D.b. Recyclables processed by SOS are reported in 2021 Fiscal Year data, rather than Calendar Year.

3.D.c. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.

3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.

3.E. Scope 3 Category 6 Business Travel; Northern Light Pharmacy's Scope 3, Category 6 emissions have been combined with EMMC's. Refer to EMMC total and notes, above.

Northern Light Pharmacy Notes, continued

3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.

3.F.a. Employee counts based on 12/31/21.

3.F.b. PRN employees are included in the counts as part-time employees.

3.G. Scope 3 Category 8 Upstream Leased Assets; no data. All emissions associated with Northern Light Pharmacy's leased assets are included in Scopes 1 & 2.

3.H. Scope 3 Category 9 Patient Visits; no data. Northern Light Pharmacy is a retail pharmacy. There are no tracked patient visits.

3.I. Scope 3 Category 11 Use of Sold Products emissions at Northern Light Pharmacy are predominantly derived from distributed metered dose inhalers. Counts and types of metered dose inhalers have been collected from internal records, and emissions have been estimated based upon inhaler type. Emissions associated with all other sold/distributed products are included in Scope 3, Categories 1 & 2 as purchased goods. Note that Northern Light Pharmacy's Scope 1 & 2 emissions are included in the reported data for EMMC in this document.

3.I.a. Inhaler emissions calculated using the CO₂e per inhaler estimates published in "Greenhouse Gas Emissions and Costs of Inhaler Devices in the US" by Tirumalasetty, Miller, and Prescott, in Journal of American Medicine (JAMA) August 29, 2024.

3.I.b. Emissions related to the use of inhalers (from the propellants) are captured here. The purchase data of these inhalers is also included in Scope 3 Category 2 as a Purchased Good, to reflect the emissions associated with manufacturing and procurement.

3.J. Scope 3 Category 13 Downstream Leased Assets; no data. Northern Light Pharmacy has no downstream leased assets.

3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Northern Light Seabasticook Valley Hospital

Scope 1

Heating/Cooling: 1,310 MT CO₂e

Mobile Combustion: 92 MT CO₂e

Fugitive Emissions: 132 MT CO₂e

Scope 1 Total: 1,534 MT CO₂e

Scope 2

Electricity: 635 MT CO₂e

Scope 3

Category 1 & Category 2, Products, Goods & Services: 1,484 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 547 MT CO₂e

Category 4, Upstream Transportation & Distribution: 35 MT CO₂e

Category 5, Waste: 67 MT CO₂e

Category 6, Business Travel: 33 MT CO₂e

Category 7, Employee Commuting: 271 MT CO₂e

Category 8, Upstream Leased Assets: 0 MT CO₂e

Category 9, Patient Visits: 921 MT CO₂e

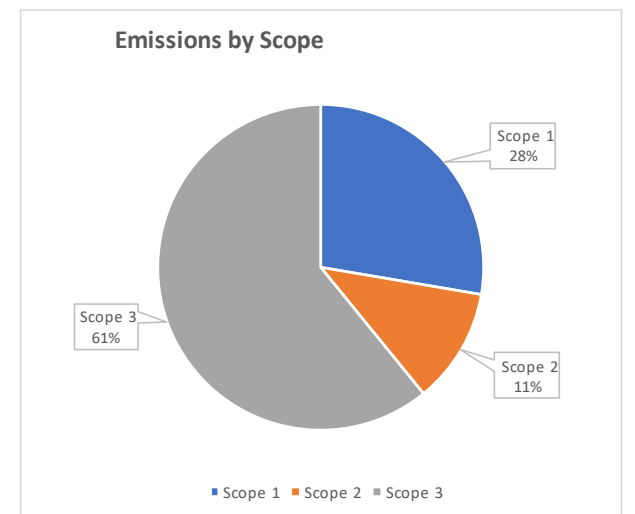
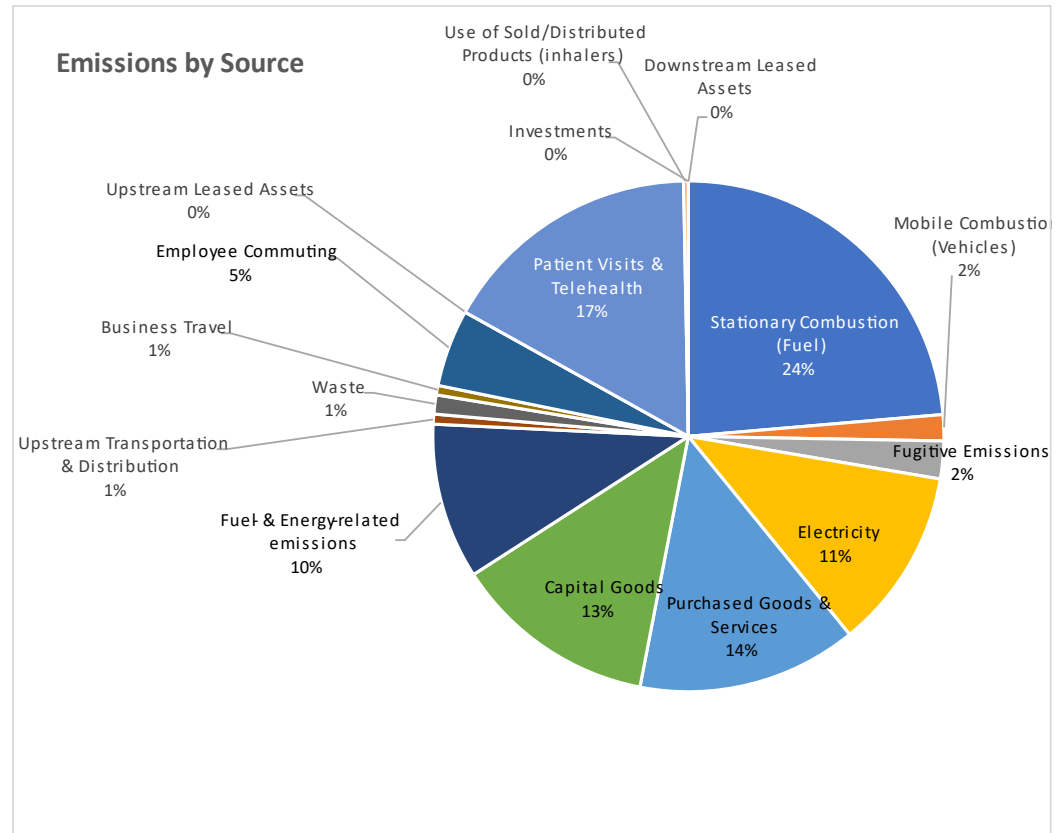
Category 11, Use of Sold Products: 17 MT CO₂e

Category 13, Downstream Leased Assets: 0 MT CO₂e

Category 15, Investments: 0 MT CO₂e

Scope 3 Total: 3,375 MT CO₂e

Northern Light SVH Total: 5,544 metric tons CO₂e



Northern Light Sebasticook Valley Hospital Notes

- 1.A. Scope 1 Fuel data collected from invoices. Emissions calculated using Practice Greenhealth calculator, except for propane which was calculated separately and added in.
 - 1.A.a. Propane emissions calculated using a factor of 5.721 kgCO₂ per gal, per "EPA GHG-EMISSION-FACTORS-HUB" April 1, 2022 Edition.
- 1.B. Scope 1 Mobile Combustion calculated from internal records of fleet vehicle mileage using the Practice Greenhealth calculator.
- 1.C. Scope 1 Fire Suppression and Refrigerant recharge data collected from invoices and internal records where available. Some fugitive emissions may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
- 1.D. Fugitive Emissions from inhaled anesthetics are calculated at the System level (refer to Additional System-level Calculations), except for CO₂ and N₂O which are included in this section and estimated using the Practice Greenhealth calculator.
- 2.A. Scope 2 Electricity usage data collected from invoices. Emissions calculated using Practice Greenhealth calculator.
- 3.A. Scope 3 Categories 1 & 2, Products, Goods, & Services data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.A.a. These are 2021 Fiscal Year data, rather than Calendar Year
- 3.B. Scope 3 Category 3 Fuel & Fuel-related Activities data sources are the same as used in Scopes 1 and 2, detailed above. Emissions calculated using Practice Greenhealth calculator.
- 3.C. Scope 3 Category 4 Upstream Transportation & Distribution data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.C.a. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.D. Scope 3 Category 5 Waste data collected from invoices and internal records where available. Some waste volumes may be missing or estimated. Emissions calculated using Practice Greenhealth calculator.
 - 3.D.a. Waste volumes calculated using the following industry standards, per Alex Siva at Casella.
 - 3D.a.a. Municipal Solid Waste (MSW) estimated at 75 lbs/yd³
 - 3D.a.b. Mixed Recyclables estimated at 50 lbs/yd³
 - 3D.a.c. Recyclable Corrugated Cardboard estimated at 75 lbs/yd³
 - 3D.a.d. Confidential Document Destruction is recycled paper waste, estimated at 75 lbs/yd³
 - 3D.a.e. A 96-gal toter is roughly equivalent to 0.5 yd³
 - 3D.a.f. Weekly pickups are calculated using a 4.33 services/month multiplier. Every-other-week pickups are calculated using a 2.165 services/month multiplier.
 - 3.D.b. Per Alex Siva at Casella, the P.E.R.C. trash incineration facility was accepting waste for about 66% the 2021 calendar year, so it is valid to estimate that 66% of MSW in 2021 generated at NLH facilities in northern, eastern, and central Maine was incinerated, and that 34% was landfilled. Relevant data has been allocated in the calculator tool accordingly.

Northern Light Sebasticook Valley Hospital Notes, continued

- 3.D.c. Recyclables processed by SOS and Give IT-Get IT are reported in 2021 Fiscal Year data, rather than Calendar Year.
- 3.D.d. Water volume data sourced from invoices was used as a proxy for wastewater volume when wastewater invoices were unavailable.
- 3.E. Scope 3 Category 6 Business Travel data collected from internal purchasing records. Emissions calculated using Practice Greenhealth calculator.
 - 3.E.a. These are 2021 Fiscal Year data, rather than Calendar Year.
 - 3.E.b. Emissions from personal and rental vehicle use for business purposes is calculated from internal records of fuel reimbursement paid, and data are only available at the System level (refer to Additional System-level Calculations).
- 3.F. Scope 3 Category 7 Employee Commute data calculated from internal records and estimates provided by HR Operations. Emissions calculated using Practice Greenhealth calculator.
 - 3.F.a. Employee counts based on 12/31/21.
 - 3.F.b. PRN employees are included in the counts as part-time employees.
- 3.G. Scope 3 Category 8 Upstream Leased Assets; no data. All emissions associated with Sebasticook Valley Hospital's leased assets are included in Scopes 1 & 2.
- 3.H. Scope 3 Category 9 Patient Visits data collected from internal records provided by Planning. Emissions calculated using Practice Greenhealth calculator.
 - 3.H.a. Inpatient discharge data used as a proxy for "inpatient visits"; there were more discharges than admissions in 2021, so this is a conservative estimate.
 - 3.H.b. Telehealth average length of visit data unavailable; 20 minutes is used as an estimate.
 - 3.H.c. These are 2021 Fiscal Year data, rather than Calendar Year.
- 3.I. Scope 3 Category 11 Use of Sold Products emissions at Sebasticook Valley Hospital are derived from distributed metered dose inhalers. Counts and types of metered dose inhalers have been collected from internal records, and emissions have been estimated based upon inhaler type. Emissions associated with all other sold/distributed products are included in Scope 3, Categories 1 & 2 as purchased goods.
 - 3.I.a. Inhaler emissions calculated using the CO₂E per inhaler estimates published in "Greenhouse Gas Emissions and Costs of Inhaler Devices in the US" by Tirumalasetty, Miller, and Prescott, in Journal of American Medicine (JAMA) August 29, 2024.
 - 3.I.b. Emissions related to the use of inhalers (from the propellants) are captured here. The purchase data of these inhalers is also included in Scope 3 Category 2 as a Purchased Good, to reflect the emissions associated with manufacturing and procurement.
- 3.J. Scope 3 Category 13 Downstream Leased Assets; no data. Sebasticook Valley Hospital has no downstream leased assets.
- 3.K. Scope 3 Category 15 Investments data are only available at the System level (refer to Additional System-level Calculations).

Additional System-level Emissions

Scope 1

Fugitive Emissions: 896 MT CO₂e

Scope 3

Category 6, Business Travel: 448 MT CO₂e

Category 15, Investments: 594 MT CO₂e

Additional System-level Emissions Total: 1,938 metric tons CO₂e

Notes Regarding Additional System-level Emissions

1.A. Fugitive Emissions from inhaled anesthetics are calculated in this section and estimated using the Practice Greenhealth calculator. Data are only available at the System level from internal purchasing records.

3.A. Scope 3 Category 6 Business Travel Emissions from personal and rental vehicle use for business purposes is calculated in this section from internal records of fuel reimbursement paid. Data for all member organizations besides Home Care & Hospice are only available at the System level.

3.A.a. Calculation methodology: $\text{total spend (\$/mileage reimbursement rate (\$/mile))} = \text{total miles driven}$
 $\text{total miles driven (mi)/ave mileage rate (mi/gal)} = \text{total gallons fuel consumed}$
 $\text{total gallons fuel} \times \text{fuel emissions factor} = \text{total mobile combustion emissions}$
97% gasoline, 3% diesel

3.A.b. Calculation methodology data sources: total spend, mileage reimbursement rate from internal records; average mileage rate, gasoline/diesel ratio estimated from parking lot survey; fuel emissions factor from EPA 2021 GHG Emission Factors Hub.

3.A.c. These are 2021 Fiscal Year data, rather than Calendar Year.

3.B. Scope 3 Category 15 Investments Emissions are calculated in this section and estimated using the Practice Greenhealth calculator. Data are only available at the System level and are estimated from internal performance reporting from 2023.

Northern Light Health System

Scope 1

Heating/Cooling: 43,097 MT CO₂e

Mobile Combustion: 962 MT CO₂e

Fugitive Emissions: 2,484 MT CO₂e

Scope 1 Total: 46,544 MT CO₂e

Scope 2

Electricity: 13,202 MT CO₂e

Scope 3

Categories 1 & 2, Products, Goods & Services: 75,135 MT CO₂e

Category 3, Fuel & Fuel-Related Activities: 12,020 MT CO₂e

Category 4, Upstream Transportation & Distribution: 1,107 MT CO₂e

Category 5, Waste: 1,689 MT CO₂e

Category 6, Business Travel: 2,171 MT CO₂e

Category 7, Employee Commuting: 11,035 MT CO₂e

Category 8, Upstream Leased Assets: 1,124 MT CO₂e

Category 9, Patient Visits: 20,039 MT CO₂e

Category 11, Use of Sold Products: 499 MT CO₂e

Category 13, Downstream Leased Assets: 126 MT CO₂e

Category 15, Investments: 594 MT CO₂e

Scope 3 Total: 125,537 MT CO₂e

Northern Light Health System Total: 185,238 metric tons CO₂e

