

MAZZETTI



Children's Health

FY23

GREENHOUSE GAS INVENTORY

Stanford Children's

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TABLE OF CONTENTS

OVERVIEW

Executive Summary	4
Methodology.....	5
• Boundary of Inventory.....	5
• Facilities Included in the Inventory..	6
• Consolidation Approach	7
• Reporting Period Covered.....	7
• Emissions Sources.....	7
• Standard Applied.....	7
• Data Collected.....	8
Background on Scope 1, 2, & 3 Emissions	9
Global Warming Potential.....	9

EMISSIONS DETAIL

Emissions Calculation Methodology	10
Stanford Children’s Emissions Summary	16
Stanford Children’s FY23 Scope 1 and 2 Carbon Intensity Comparison.....	21
Stanford Children’s FY23 Scope 3 GHG Analysis and Comparison	64
CY2019 vs. FY23 725 Welch Road Emissions Comparison	66
Conclusion	67
Recommendation.....	68

APPENDIX

Table 1 -List of Estimated Data.....	70
Table 2 -725 Welch Road Year-to-Year Emissions Reduction.....	72



EXECUTIVE SUMMARY

This Greenhouse Gas (GHG) inventory report for Stanford Medicine Children's Health (Stanford Children's) was prepared by Mazzetti in accordance with the GHG Protocol Corporate Accounting and Reporting Standard. The primary goal of this inventory is to assess Stanford Children's carbon footprint for fiscal year (FY) 2023 and identify opportunities for reducing emissions. The insights from this report will guide Stanford Children's in implementing targeted strategies to lower its carbon footprint while continuing to deliver exceptional care, foster learning, and make groundbreaking discoveries that heal humanity with science and compassion, one child and family at a time.

This inventory covers the period from September 1, 2022, to August 31, 2023, and was developed with the following key considerations:

- The report follows the GHG Protocol Corporate Accounting and Reporting Standard.
- The operational control consolidation approach was used for emissions calculations.

- The entity, "Stanford Children's," comprises 41 owned and leased facilities.
- The inventory includes Scope 1, 2, and 3 emissions.
- Certain Scope 3 emission categories were measured at the enterprise level and reported under the 725 Welch Road location.
- The greenhouse gases considered include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, desflurane, isoflurane, and sevoflurane.
- Emission sources are reported in Metric Tons of CO₂ equivalent (MT CO₂e).
- A correction was made to 180 El Camino Real FY22 GHG emissions due to improved data quality. As a result, Stanford Children's FY22 total emissions have been revised from 142,926 to 142,890 MT CO₂e.

The successful completion of this report was made possible through the collaboration and support of numerous stakeholders within Stanford Children's. Mazzetti extends its gratitude to these individuals for their time, effort, creativity, and valuable contributions.

STANFORD CHILDREN'S EMISSIONS COMPARISON (FY22 VS. FY23)

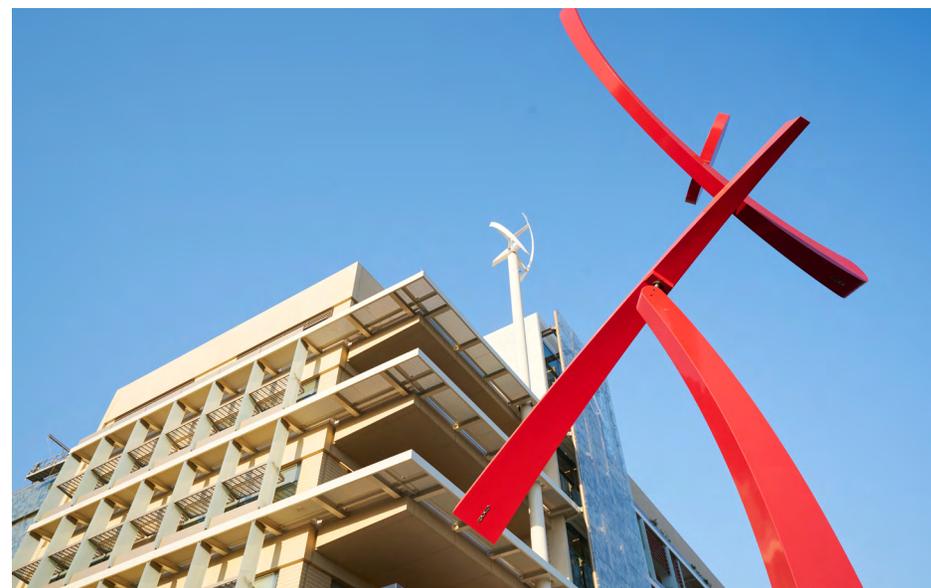
Annual Emissions per Scope	FY22 (MT CO ₂ e)*	FY23 (MT CO ₂ e)	Percentage Change
SCOPE 1	3,257	3,295	1%
SCOPE 2	3,682	3,331	-10%
SCOPE 3	135,951	117,154	-14%
Total	142,890	123,781	-13%

**Correction was made due to improved data quality, resulting in a change in the FY22 emissions total compared to the previously published FY22 GHG accounting report.*

METHODOLOGY

This inventory was prepared for Stanford Children's in accordance with the GHG Protocol Corporate Accounting and Reporting Standard. It includes:

- **Scope 1:** Direct emissions from owned or controlled sources such as natural gas boilers, mobile sources such as fleet vehicles, and unintentional fugitive emissions like refrigerant loss and anesthetic gas use.
- **Scope 2:** Indirect emissions from the generation of purchased energy.
- **Scope 3:** All other indirect emissions that occur upstream and downstream in the value chain for the portion of Stanford Children's operations included in the boundary of this inventory.



BOUNDARY OF INVENTORY

The inventory boundary includes 41 facilities, comprising a General Acute Care Hospital, Medical Office Buildings (MOB), Offices, Apartments, and inpatient care satellite units in partner hospitals.

Most of the emission source data was provided by individual location. Fleet Vehicles, Business Travel, Purchased Goods and Services, and Capital Goods were provided in aggregate at the entity-wide level and are included in 725 Welch Road emissions.

FACILITIES INCLUDED IN THE INVENTORY

ADDRESS	FACILITY TYPE	OWNERSHIP TYPE*	CITY	STATE	OCCUPIED AREA SQUARE FEET
350 Park Dr.	Apartments	Leased- Not Affiliated	Menlo Park	CA	2,550
1371 E. Foxhill Dr.	Apartments	Leased- Not Affiliated	Fresno	CA	4,050
725 Welch Rd.	Hospital	Owned	Palo Alto	CA	1,068,600
2500 Grant Rd.	Hospital	Leased- Not Affiliated	Mountain View	CA	28,003
170 Alameda de las Pulgas	Hospital	Leased- Not Affiliated	Redwood City	CA	3,050
730 Welch Rd. & 732 Welch Rd.	Medical Office Building	Leased -Sole Operated	Palo Alto	CA	32,902
1195 West Fremont Ave.	Medical Office Building	Leased -Sole Operated	Sunnyvale	CA	80,000
1290 59th St.	Medical Office Building	Leased- Not Affiliated	Emeryville	CA	6,280
2147 Mowry Ave.	Medical Office Building	Leased- Not Affiliated	Fremont	CA	1,516
14601 S. Bascom Ave.	Medical Office Building	Leased- Not Affiliated	Los Gatos	CA	24,274
14651 S. Bascom Ave.	Medical Office Building	Leased- Not Affiliated	Los Gatos	CA	35,953
321 Middlefield Rd.	Medical Office Building	Leased- Not Affiliated	Menlo Park	CA	15,211
1401 Spanos Ct.	Medical Office Building	Leased- Not Affiliated	Modesto	CA	2,254
1174 Castro St.	Medical Office Building	Leased- Not Affiliated	Mountain View	CA	4,177
2495 Hospital Dr.	Medical Office Building	Leased- Not Affiliated	Mountain View	CA	3,765
2490 Hospital Dr.	Medical Office Building	Leased- Not Affiliated	Mountain View	CA	3,765
401 Quarry Rd.	Medical Office Building	Leased- Not Affiliated	Palo Alto	CA	4,792
750 Welch Rd.	Medical Office Building	Leased- Not Affiliated	Palo Alto	CA	29,998
770 Welch Rd.	Medical Office Building	Leased- Not Affiliated	Palo Alto	CA	37,726
2452 Watson Ct.	Medical Office Building	Leased- Not Affiliated	Palo Alto	CA	7,300
5000 Pleasanton Ave.	Medical Office Building	Leased- Not Affiliated	Pleasanton	CA	5,627
2900 Whipple Ave.	Medical Office Building	Leased- Not Affiliated	Redwood City	CA	1,737
212 San Jose St.	Medical Office Building	Leased- Not Affiliated	Salinas	CA	2,397
1100 Van Ness Ave.	Medical Office Building	Leased- Not Affiliated	San Francisco	CA	26,622
1685 Commercial Way	Medical Office Building	Leased- Not Affiliated	Santa Cruz	CA	1,850
1720 El Camino Real	Medical Office Building	Leased- Not Affiliated	Burlingame	CA	3,484
14777 Los Gatos Blvd.	Medical Office Building	Leased- Not Affiliated	Los Gatos	CA	4,202
3480 Buskirk Ave.	Medical Office Building	Leased- Not Affiliated	Pleasant Hill	CA	4,922
106 La Casa Via	Medical Office Building	Leased- Not Affiliated	Walnut Creek	CA	6,262
1601 Ygnacio Valley Rd.	Medical Office Building	Leased- Not Affiliated	Walnut Creek	CA	1,340
2800 L Street	Medical Office Building	Leased- Not Affiliated	Sacramento	CA	1,800
4600 Bohannon Dr.	Home pharmacy/office	Leased- Not Affiliated	Menlo Park	CA	11,157
777 Welch Rd.	Office	Owned	Palo Alto	CA	13,203
700 Welch Rd.	Office	Leased -Sole Operated	Palo Alto	CA	36,742
555 Knowles Dr.	Office	Leased- Not Affiliated	Los Gatos	CA	2,499
4100 Bohannon Dr.	Office	Leased- Not Affiliated	Menlo Park	CA	47,379
4200 Bohannon Dr.	Office	Leased- Not Affiliated	Menlo Park	CA	16,965
4300 Bohannon Dr.	Office	Leased- Not Affiliated	Menlo Park	CA	15,154
4700 Bohannon Dr.	Office	Leased- Not Affiliated	Menlo Park	CA	63,078
180 El Camino Real	Office	Leased- Not Affiliated	Palo Alto	CA	16,598
1601 Ygnacio Valley Rd.	Office	Leased- Not Affiliated	Walnut Creek	CA	1,242

***Owned” denotes facilities exclusively owned and operated by Stanford Children’s. “Leased-Sole Operated” describes facilities leased from a third party, where Stanford Children’s oversees the building’s operations and is the sole occupant. “Leased-Not Affiliated” refers to facilities leased by Stanford Children’s in buildings where they do not have operational control. These buildings are managed by entities unaffiliated with Stanford Children’s.*

CONSOLIDATION APPROACH

- Equity Share
- Financial Control
- Operational Control ✓

EQUITY SHARE: The equity share approach reflects economic interest, which is the extent of a company's rights to the risks and rewards flowing from an operation. Typically, the share of economic risks and rewards in an operation is aligned with the company's percentage ownership of that operation, and the equity share will typically be the same as the ownership percentage. Under the equity share approach, a company accounts for GHG emissions from operations according to its share of equity in the operation.

FINANCIAL CONTROL: Financial Control is defined as the ability to direct an operation's financial and operating policies to gain economic benefits. A company is considered to financially control an operation if it retains the majority of risks and rewards of ownership of the operation's assets.

OPERATIONAL CONTROL: Operational Control is defined as the authority to introduce and implement operating policies. Based on this definition, it was determined that Stanford Children's has operational Control over its facilities. Under the operational control approach, a complete inventory accounts for 100% of emissions from operations under the organization's Control, including owned and leased assets.

REPORTING PERIOD COVERED

This inventory was created using Stanford Children's fiscal year (FY) 2023 data (September 1, 2022 – August 31, 2023).

EMISSIONS SOURCES

This inventory includes Scope 1 emissions sources such as Natural Gas, Fleet Vehicles, Generator Fuel, Medical Gas, and Refrigerants.

Scope 2 emissions sources included in this inventory are Purchased Electricity, Steam, Central Energy Facility: Electricity for Heating and Cooling, and Central Energy Facility: Natural Gas for Heating.

Scope 3 emissions sources included in this inventory are Capital goods, Purchased Goods and Services, Fuel and Energy-Related Activities (not included in scope 1 or 2), Employee Commute, Business Travel, Solid Waste, Wastewater, Patient Transport, and Helicopter Fuel.

DATA EXCLUSIONS

The following table identifies emission sources that are excluded from this inventory.

Excluded Sources	Scope 3 Emissions Sources	Excluded Sources	Scope 3 Emissions Sources
	Purchased Goods and Services	X	Downstream Transportation and Distribution
	Capital Goods	X	Processing of Sold Product
	Fuel and Energy Related Activities	X	Use of Sold Product
X	Upstream Transportation and Distribution	X	End-of-Life Treatment of Sold Product
	Waste Generated in Operations	X	Downstream Leased Assets
	Business Travel	X	Franchises
	Employee Commuting	X	Investments
X	Upstream Leased Assets		

STANDARD APPLIED

This GHG inventory was compiled following the revised edition of the GHG Protocol Corporate Accounting and Reporting Standard published by the World Resource Institute in 2015.

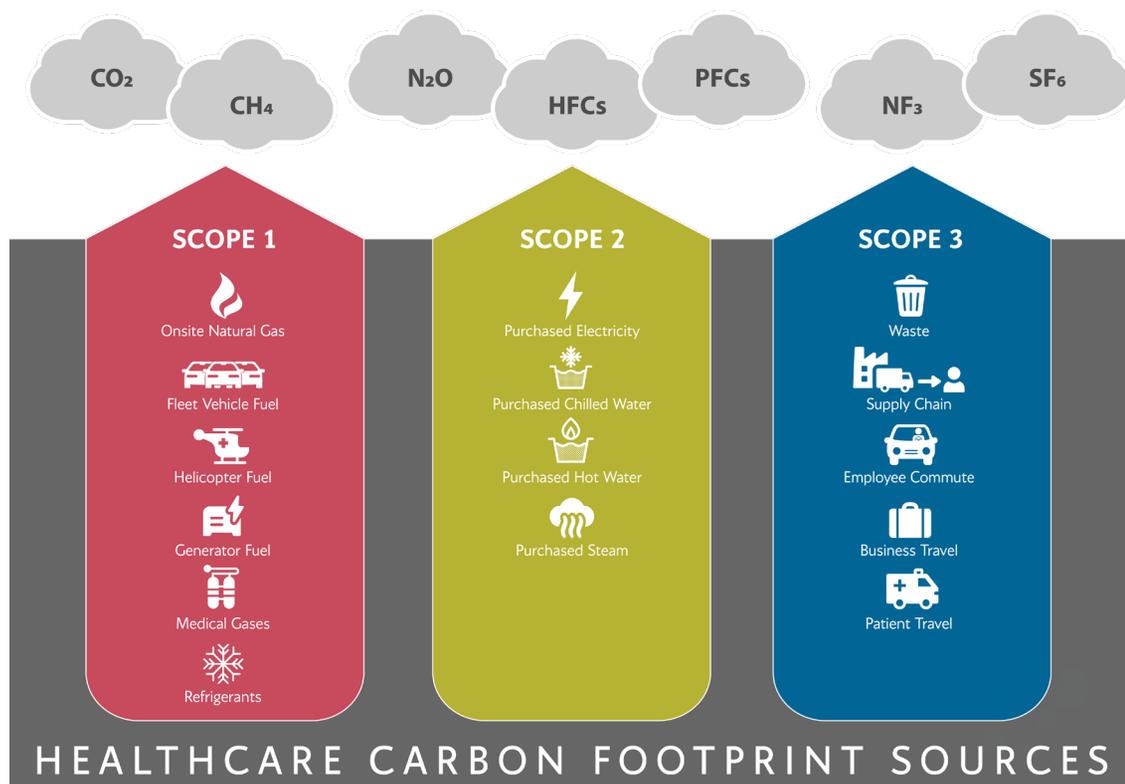
DATA COLLECTED:

The following data types were collected and analyzed to complete this inventory:

DATA TYPE	DATA COLLECTED
Facility Demography	Facility type, location, and size.
Energy	Name the electricity and natural gas providers for each building, annual utility bills for each building, and power content label information.
Chilled and Heating Water	Stanford University Central Energy Facility data for Chilled and Hot Water (specific to 725 Welch Road buildings).
Steam	Steam is purchased from SHC, and the usage data is collected and used to determine the steam allocation to 725 Welch Road buildings and to determine the allocation of the steam plant diesel generator.
Fleet Vehicles	Fuel usage records (annual) for all owned and leased vehicles. Data for each location is incorporated into the Main Campus data.
Helicopter Fuel	Flight hours and fuel burn rate (specific to the 725 Welch Road facility).
Diesel Generators	Fuel purchase records (annual) for emergency diesel generators by facility.
Anesthetic gases	Anesthetic gas purchase records (annual) and recovery records by facility.
Refrigerants	Refrigerant recharge logs by facility.
Patient Travel	Anonymized Patient in-person encounter data with zip codes by facility.
Employee Travel	Annual transportation survey results.
Waste	Waste volumes by facility type, treatment method, hauling distance, and frequency.
Wastewater	Wastewater volume, municipal utility greenhouse gas report, and California Energy Commission (CEC) energy consumption estimates for wastewater treatment.
Business Travel	Dollars spent on various transportation modes. Data for each location is incorporated into the 725 Welch Road data.
Capital Goods	General ledger reporting for capital procurement expenses. Data for each location is incorporated into the 725 Welch Road data.
Purchased Goods and Services	General ledger reporting for non-personnel expenses. Data for each location is incorporated into the 725 Welch Road data.
Fuel and Energy Related Emissions	Central Energy Facility, utility, and grid report on transmission and distribution losses.

BACKGROUND ON SCOPE 1, 2, & 3 EMISSIONS

Emissions are categorized into three scopes. Scope 1 emissions are direct emissions from stationary sources such as natural gas boilers, mobile sources such as fleet vehicles, and unintentional fugitive emissions like refrigerant loss and anesthetic gas use. Scope 2 is reserved for purchased energy such as electricity or chilled water and hot water supplied from an outside source. Scope 3 sources are indirect emissions that are both upstream and downstream from the reporting entity. Examples of Scope 3 emissions are employee commuting and the disposal of waste products. Scope 3 emissions are another entity's Scope 1 or 2 emissions that support the reporting entity's operations.



GLOBAL WARMING POTENTIAL

Global Warming Potential (GWP) values from the Intergovernmental Panel on Climate Change (IPCC) sixth assessment report (AR6) are used when calculating metric tons of carbon dioxide equivalent (MT CO₂e).

GREENHOUSE GAS	GWP
CO ₂	1
CH ₄	29.8
N ₂ O	273
HFC's	1,300-4,000
Desflurane	2540
Isoflurane	510
Sevoflurane	130

*GWP Sources: [1](#) & [2](#)

EMISSIONS CALCULATION METHODOLOGY

SCOPE 1

Scope 1 Emission Sources	Description of the types, sources, and quality of data used to calculate emissions	Description of the methodologies, allocation methods, and assumptions used to calculate emissions
 <p data-bbox="220 719 445 743">On-site Natural Gas</p>	<p data-bbox="577 397 1281 519">The natural gas data utilized in this inventory was obtained from various sources, including Key Green Solutions, direct vendor reports, and estimations based on available information.</p> <p data-bbox="577 535 1281 592">The appendix includes a table listing sites where estimated data was used in emission calculations.</p>	<p data-bbox="1302 397 1988 454">Natural gas emissions factors came from the EPA GHG Emission Factors Hub.</p> <p data-bbox="1302 470 1988 852">CPAU supplies its customers with 100% carbon-neutral natural gas, allowing them to claim zero CO₂e emissions for all their usage. To achieve this, CPAU purchases carbon offsets to offset the emissions associated with natural gas usage in Palo Alto. However, Stanford Children's treats the natural gas emissions as if no offsets are in place to focus on emissions reduction efforts. The methodology to account for Natural Gas emissions for facilities that purchase carbon-neutral natural gas from CPAU is consistent with the GHG Protocol Methodology. The Protocol only recognizes upstream instruments like RECs, not offsets.</p> <p data-bbox="1302 868 1988 925">All natural gas emissions are shown in the emissions summary by facility section of this report.</p>
 <p data-bbox="252 1149 409 1174">Fleet Vehicles</p>	<p data-bbox="577 941 1281 1193">Fleet data used in this inventory was sourced from Stanford Children's Fuel Transaction Data and includes the fleet vehicles owned and leased by Stanford Children's. It is understood that Stanford Children's also uses fleet vehicles owned by SHC, but those have been included in SHC's GHG Inventory and will not be accounted for in this report. The fleet vehicle data collected for Stanford Children's consists of the fuel usage data (FY23) for gasoline and diesel vehicles.</p> <p data-bbox="577 1209 1281 1291">Note that Fleet Vehicle data was provided entity-wide, and the fleet data for the 40 additional facilities is included in 725 Welch Road data.</p>	<p data-bbox="1302 941 1988 1063">EPA Simplified GHG Emissions Calculator (SGEC) version 7 was used to calculate GHG emissions from this source. Passenger Cars, Light-Duty Trucks, and Medium and Heavy-Duty Trucks emission factors were used.</p>

Scope 1 Emission Sources	Description of the types, sources, and quality of data used to calculate emissions	Description of the methodologies, allocation methods, and assumptions used to calculate emissions
 <p>Generator Fuel</p>	<p>SHC Facility Field Services provided diesel fuel data used for Stanford Children’s calculation. For shared SHC/ Stanford Children’s generators (12KV and Steam Plant), a 70/30% split percentage was applied to the diesel fuel used.</p> <p>Diesel fuel data for 2500 Grant Road and 170 Alameda de las Pulgas was estimated using 725 Welch Road FY23 and other historical data. Data for 1195 West Fremont Avenue was provided by the facility.</p>	<p>The diesel fuel emission factors came from the EPA GHG emission factors hub.</p>
 <p>Medical Gas</p>	<p>Airgas provided medical nitrous oxide and carbon dioxide consumption data for 725 Welch Road.</p> <p>Desflurane, sevoflurane, and isoflurane data were pulled from Stanford Supply Chain, and only deliveries to 725 Welch Road were included.</p> <p>Data for 1195 West Fremont Avenue was provided by the facility.</p>	<p>Weights per purchased quantity were used to calculate the total weight for nitrous oxide and carbon dioxide. 100-year Global Warming Potentials for desflurane, sevoflurane, and isoflurane came from Assessing the Impact on Global Climate from General Anesthetic Gases.</p> <p>725 Welch Road does employ a WAGD medical gas capture system. It was assumed that 90% of the emitted medical gases (95% of the total) in 725 Welch Road were captured by the WAGD system.</p>
 <p>Refrigerants</p>	<p>The Stanford Children’s Engineering and Maintenance team provided refrigerant data for 725 Welch Road. This inventory utilized refrigerant usage records.</p>	<p>The GHG Protocol Approach 2: Lifecycle Stage Approach was used to calculate Stanford Children’s emissions. From the equipment owner and operator’s standpoint, refrigerants are being used to recharge equipment, and it is assumed that the value of refrigerants being added is equal to that lost through leakage.</p> <p>According to the GHG Protocol, CFCs and HCFCs may be omitted since they are being phased out by the Montreal Protocol. They were omitted from this inventory.</p>

SCOPE 2

Scope 2 Emission Sources	Description of the types, sources, and quality of data used to calculate emissions	Description of the methodologies, allocation methods, and assumptions used to calculate emissions
 Purchased Electricity - Market-Based Emissions	<p>The electricity data utilized in this inventory was obtained from various sources, including Key Green Solutions, direct vendor reports, and estimations based on available information.</p> <p>The appendix includes a table listing sites where estimated data was used in emission calculations.</p>	<p>The utilities provide annual market-based emissions factors. CPAU provides 100% carbon-neutral electricity by matching electricity demand with carbon-free supply on an annual basis. This allows customers to claim zero CO₂e emissions for all their usage.</p>
 Purchased Electricity - Location-Based Emissions	<p>The electricity data utilized in this inventory was obtained from various sources, including Key Green Solutions, direct vendor reports, and estimations based on available information.</p> <p>The appendix includes a table listing sites where estimated data was used in emission calculations.</p>	<p>The annual location-based emissions factors can be found using the EPA's eGrid Explorer tool on their website. The emissions factor is based on the CAMX region for 2022, which was the most current data available.</p>
 CEF: Electricity for Heating and Cooling	<p>725 Welch Road receives both chilled water and heating hot water from Stanford University's Central Energy Facility (CEF). Stanford University provided a breakdown for 725 Welch Road buildings in terms of electricity consumption for chilled water and heating water.</p> <p>It is vital to note that from April 1, 2022, the Central Energy Facility began procuring 100% renewable electricity for its operations, significantly reducing 725 Welch Road Scope 2 emissions.</p>	<p>Stanford University's Office of Sustainability & Energy calculated emissions from the CEF plant and provided a breakdown for all 725 Welch Road buildings.</p>
 CEF: Natural Gas for Heating	<p>Stanford University provided a breakdown for 725 Welch Road buildings in terms of natural gas consumption for heating hot water. At 725 Welch Road, the heating hot water produces building heating and domestic hot water.</p>	<p>Stanford University's Office of Sustainability & Energy calculated emissions from the CEF plant and provided a breakdown for all 725 Welch Road buildings.</p>
 Steam from Stanford Steam Plant	<p>Energy data for the steam plant and the steam consumption breakdown per building were pulled from Key Green Solutions. Steam is provided to 725 Welch Road (West Campus) from SHC's steam plant located at 901 Quarry. At 725 Welch Road (West Campus), the steam produces heating hot water for building heating, domestic hot water, and direct steam for humidification.</p>	<p>The emissions for the steam plant were calculated using electricity (CPAU) and natural gas (PG&E) supplied to the steam plant. The steam plant serves Stanford Health Care, 725 Welch Road (West Campus), and the School of Medicine. A breakdown percentage based on the steam meters was used to determine the energy and emissions for each facility. Based on the breakdown, 725 Welch Road (West Campus) is responsible for 25.8%</p>

SCOPE 3

Scope 3 Emission Sources	Description of the types, sources, and quality of data used to calculate emissions	Description of the methodologies, allocation methods, and assumptions used to calculate emissions
 <p>1. Capital Goods</p>	<p>Expense data for 725 Welch Road was provided by Stanford Children’s Finance Department via general ledger reporting. Note that Capital Goods data for the 40 additional facilities is included in 725 Welch Road data.</p>	<p>Expenses were matched with the categories and emissions factors from the EPA Supply Chain Greenhouse Gas Emissions Factors v1.2 by NAICS-6.</p>
 <p>2. Purchased Goods and Services</p>	<p>Expense data for 725 Welch Road was provided by Stanford Children’s Finance Department via general ledger reporting. Note that Purchased Goods and Services data for the 40 additional facilities are included in 725 Welch Road Data.</p>	<p>Expenses were matched with the categories and emissions factors from the EPA Supply Chain Greenhouse Gas Emissions Factors v1.2 by NAICS-6.</p> <p>Expenses such as Medical Waste Processing and Travel expenses were excluded because they are covered in Scope 3.5: Waste Treatment and Scope 3.6 Business Travel.</p>
 <p>3. Fuel and Energy Related Activities</p>	<p>The energy data utilized in this inventory was obtained from various sources, including Key Green Solutions, direct vendor reports, and estimations based on available information. Stanford Central Energy Facility (CEF) plant provides chilled water and heating hot water for 725 Welch Road. The plant provided thermal distribution losses for chilled and hot water systems, as well as in-plant electricity losses.</p> <p>The appendix includes a table listing sites where estimated data was used in emission calculations.</p>	<p>Upstream Emissions of Purchased Fuels: The emissions associated with the extraction, production, and transportation of natural gas, diesel, and gasoline are reported in Scope 1 emissions using emissions factors from the UK Department for Business, Energy, and Industrial Strategy’s 2023 Greenhouse Gas Reporting Conversion Factors. US-based factors are not available via the EPA or other trusted US sources.</p> <p>Upstream Emissions of Purchased Electricity: Directly purchased electricity from CPAU has no extraction, production, or transportation emissions, however, directly purchased electricity from vendors such as PG&E/PCE does result in emissions. Emissions were calculated using the UK factors for overseas US electricity production.</p> <p>Transmission and Distribution (T&D) Losses: Because directly purchased electricity from CPAU is 100% renewable, there are no resulting T&D loss emissions. However, there are T&D losses for directly purchased non-renewable electricity and other indirectly purchased electricity.</p> <p>Grid losses were calculated at 5.1% per the EPA eGrid Western region grid losses (2023 data). The CEF reports that 2.3% of electricity is lost in production at CEF, and the hot water thermal loss is 4% and 6% for chilled water.</p>

Scope 3 Emission Sources	Description of the types, sources, and quality of data used to calculate emissions	Description of the methodologies, allocation methods, and assumptions used to calculate emissions
 <p>4. Solid Waste</p>	<p>The waste tonnage data utilized in this inventory was obtained from various sources, including Key Green Solutions, direct vendor reports, and estimations based on available information.</p> <p>A 21% allocation for 725 Welch Road landfill, biohazardous waste, municipal recycling, and compost is applied in Key Green Solutions. Hauling distance and frequency came from the SHC Waste Index spreadsheet and waste disposal vendors.</p> <p>The appendix includes a table listing sites where estimated data was used in emission calculations.</p>	<p>Emission factors came from the EPA GHG emission factors hub. Assumptions include diesel as the hauling fuel and to-and-from hauling distances. “Average” hauling distances are included in the EPA emissions factors, but this distance is not disclosed and, although requested, has not been received as of the time of writing. Without this data point, Mazzetti took the conservative approach of including all estimated miles traveled in calculations.</p> <p>Compacted waste hauling distances were calculated using round trip miles as the compactor is returned to campus after each service. Other wastes were calculated using one-way trip distances.</p>
 <p>5. Wastewater</p>	<p>The Wastewater data utilized in this inventory was obtained from various sources, including Key Green Solutions, direct vendor reports, and estimations based on available information.</p> <p>The appendix includes a table listing sites where estimated data was used in emission calculations.</p>	<p>The wastewater emissions factor used for each site was sourced directly from the wastewater vendor. In cases where the emissions factor could not be obtained from the vendor, the California Energy Commission (CEC) wastewater treatment and disposal estimate was utilized.</p> <p>At the time of writing, CPAU had yet to publish its 2023 wastewater emissions. As a result, the FY23 emission factor was calculated based on CPAU’s 2021 reported wastewater emissions.</p>
 <p>6. Business Travel</p>	<p>Business travel data (personal car and all other modes) for 725 Welch Road was provided by Account Payable in the form of dollars spent.</p> <p>The Business Travel data for the 40 additional facilities is included in 725 Welch Road data.</p>	<p>The spend-based method was used to estimate emissions, using secondary EEIO (environmentally extended input-output) factors from the EPA Supply Chain Greenhouse Gas Emissions Factors v1.2 by NAICS-6.</p>

Scope 3 Emission Sources	Description of the types, sources, and quality of data used to calculate emissions	Description of the methodologies, allocation methods, and assumptions used to calculate emissions
 <p>7. Employee Commute</p>	<p>Stanford Health Care and Stanford Parking and Transportation Services provided the employee commute data used in this report. The data was obtained from the 2022-2023 Commuter Survey Extract Spreadsheet. Estimates were made using available data for sites where employee commute data could not be obtained.</p> <p>Table 2- List of Estimated Data provides a list of sites where estimated data was used in emission calculations.</p>	<p>The Passenger Car (fuel unknown) emission factors were used from the EPA GHG emission factors hub. To calculate this emissions category, an assumption was made that employees who commute less than 100 miles each way are in-person workers. Conversely, employees who commute more than 100 miles to work are assumed to be remote workers. Other assumptions include 48 work weeks per year, 2 trips per day, 2 persons per carpool, and 5 persons per vanpool.</p> <p>The Marguerite shuttle emission factor is zero, as the fleet serving 725 Welch Road is all electric and on CPAU power. Survey responses for “Other” primarily involve the use of personal cars, so the category was calculated using passenger vehicle emissions factors.</p>
 <p>8. Patient Transport</p>	<p>IS Analytics & Reporting provided patient travel data. Distances were estimated using the NBER Zip Code Distance Database. There-and-back travel was assumed for each entry.</p>	<p>The distance-based method was used to estimate emissions, using Air Travel (Medium Haul) and Passenger Car (fuel unknown) emission factors from the EPA GHG emission factors hub.</p> <p>As transportation modes were unavailable for in-person visits, trips of 250 miles or less were assumed to be vehicular travel, while distances over 250 miles were assumed to be air travel.</p>
 <p>9. Helicopter Fuel</p>	<p>Jet fuel data for 725 Welch Road came from Stanford Life Flight. Gallons of fuel were estimated based on total flight hours and a fuel burn rate of 80 gal/hr. Flights associated with 725 Welch Road were estimated by accounting for the flight volume of PIC/NICU/OB patients going to 725 Welch Road.</p>	<p>The jet fuel (jet A fuel) emission factors came from the Climate Registry 2021 Default Emission Factor Document.</p>

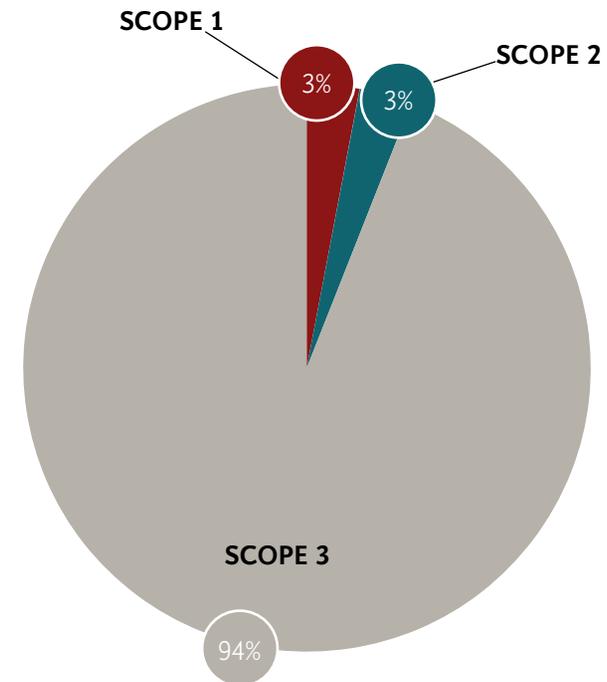
FY23 STANFORD CHILDREN'S EMISSIONS SUMMARY

In FY23, Stanford Children's greenhouse emissions amounted to a total of 123,781 metric tons of CO₂ equivalent (MT CO₂e). Scope 1 emissions totaled 3,295 MT CO₂e, Scope 2 emissions totaled 3,331 MT CO₂e, and Scope 3 emissions totaled 117,154 MT CO₂e.

The table below lists Stanford Children's emission sources from the highest percentage of total emissions to the lowest. This list serves as a guide for prioritizing action, focusing on first addressing the larger emissions sources.

EMISSIONS CATEGORY	PERCENTAGE OF TOTAL EMISSIONS (SCOPE 1, 2, & 3)
Purchased Goods & Services	53.59%
Capital Goods	16.75%
Patient Transport	12.47%
Employee Commuting	8.28%
Natural Gas	2.33%
Steam	2.30%
Fuel & Energy Related Activities	1.48%
Waste	1.51%
Business Travel	0.50%
CEF: Natural Gas for Heating	0.24%
Medical Gas	0.24%
Purchased Electricity - Market-Based Emissions	0.14%
Generator Fuel	0.06%
Helicopter Fuel	0.05%
Fleet Vehicles	0.04%
Wastewater Treatment and Transport	0.01%
Refrigerants	0.01%
CEF: Electricity for Heating and Cooling	0.0%

STANFORD CHILDREN'S EMISSIONS BREAKDOWN (MT CO₂e)



FY23 SCOPE 1, 2, & 3 EMISSIONS PER FACILITY

FACILITY ADDRESS	OWNERSHIP TYPE*	FACILITY TYPE	TOTAL MT CO ₂ e	PERCENTAGE OF TOTAL ORGANIZATIONAL SCOPE 1, 2, & 3 EMISSIONS
725 Welch Road**	Owned	Hospital	114,142	92.21%
1195 West Fremont Ave.	Leased -Sole Operated	MOB	1,608	1.30%
730 and 732 Welch Specialty Services	Leased -Sole Operated	MOB	1,441	1.16%
4700 Bohannon Dr.	Leased- Not Affiliated	Office	922	0.74%
770 Welch Rd.	Leased- Not Affiliated	MOB	750	0.61%
4100 Bohannon Dr.	Leased- Not Affiliated	Office	787	0.64%
14651 S. Bascom Ave.	Leased- Not Affiliated	MOB	429	0.35%
14601 S. Bascom Ave.	Leased- Not Affiliated	MOB	397	0.32%
1100 Van Ness Ave.	Leased- Not Affiliated	MOB	331	0.27%
2500 Grant Rd.	Leased- Not Affiliated	Hospital	268	0.22%
321 Middlefield Rd.	Leased- Not Affiliated	MOB	264	0.21%
2452 Watson Ct.	Leased- Not Affiliated	MOB	226	0.18%
750 Welch Rd.	Leased- Not Affiliated	MOB	210	0.17%
4200 Bohannon Dr.	Leased- Not Affiliated	Office	162	0.13%
180 El Camino Real	Leased- Not Affiliated	Office	141	0.11%
3480 Buskirk Ave.	Leased- Not Affiliated	MOB	138	0.11%
401 Quarry Rd.	Leased- Not Affiliated	MOB	135	0.11%
777 Welch Rd.	Owned	Office	113	0.09%
4300 Bohannon Dr.	Leased- Not Affiliated	Office	110	0.09%
1720 El Camino Real	Leased- Not Affiliated	MOB	103	0.08%
1290 59th St.	Leased- Not Affiliated	MOB	102	0.08%
700 Welch Rd.	Leased -Sole Operated	Office	101	0.08%
5000 Pleasanton Ave.	Leased- Not Affiliated	MOB	97	0.08%
106 La Casa Via	Leased- Not Affiliated	MOB	94	0.08%
2490 Hospital Dr.	Leased- Not Affiliated	MOB	92	0.07%
170 Alameda de las Pulgas	Leased- Not Affiliated	Hospital	90	0.07%
4600 Bohannon Dr.	Leased- Not Affiliated	Home pharmacy/office	87	0.07%
14777 Los Gatos Blvd.	Leased- Not Affiliated	MOB	67	0.05%
1174 Castro St.	Leased- Not Affiliated	MOB	47	0.04%

FY23 SCOPE 1, 2, & 3 EMISSIONS PER FACILITY

FACILITY ADDRESS	OWNERSHIP TYPE*	FACILITY TYPE	TOTAL MT CO ₂ e	PERCENTAGE OF TOTAL ORGANIZATIONAL SCOPE 1, 2, & 3 EMISSIONS
212 San Jose St.	Leased- Not Affiliated	MOB	44	0.04%
2495 Hospital Dr.	Leased- Not Affiliated	MOB	44	0.04%
2900 Whipple Ave.	Leased- Not Affiliated	MOB	38	0.03%
555 Knowles Dr.	Leased- Not Affiliated	Office	39	0.03%
1685 Commercial Way	Leased- Not Affiliated	MOB	34	0.03%
1401 Spanos Ct.	Leased- Not Affiliated	MOB	31	0.03%
2800 L Street	Leased- Not Affiliated	MOB	22	0.02%
1601 Ygnacio Valley Rd.	Leased- Not Affiliated	MOB	20	0.02%
2147 Mowry Ave.	Leased- Not Affiliated	MOB	20	0.02%
1371 E. Foxhill Dr.	Leased- Not Affiliated	Apartments	15	0.01%
350 Park Dr.	Leased- Not Affiliated	Apartments	12	0.01%
1601 Ygnacio Valley Rd.	Leased- Not Affiliated	Office	8	0.01%
TOTAL			123,781	100%

***Owned* denotes facilities exclusively owned and operated by Stanford Children's. *Leased-Sole Operated* describes facilities leased from a third party, where Stanford Children's oversees the building's operations and is the sole occupant. *Leased-Not Affiliated* refers to facilities leased by Stanford Children's in buildings where they do not have operational control. These buildings are managed by entities unaffiliated with Stanford Children's.

***Note that each facility's Fleet Vehicles, Business Travel, Purchased Goods and Services, and Capital Goods emissions are included in 725 Welch Road data.*

FY23 SCOPE 1 AND 2 EMISSIONS SUMMARY BY FACILITY

FACILITY ADDRESS	OWNERSHIP TYPE*	FACILITY TYPE	Scope 1 & 2 MT CO ₂ e	PERCENTAGE OF TOTAL ORGANIZATIONAL SCOPE 1 & 2 EMISSIONS
725 Welch Road	Owned	Hospital	4,530.2	68.37%
1195 West Fremont Ave.	Owned	MOB	409.5	6.18%
730 and 732 Welch Specialty Services	Leased- Sole Operated	MOB	251.7	3.80%
4700 Bohannon Dr.	Leased- Not Affiliated	Office	211.4	3.19%
14601 S. Bascom Ave.	Owned	MOB	143.4	2.16%
14651 S. Bascom Ave.	Owned	MOB	129.5	1.96%
1100 Van Ness Ave.	Leased- Not Affiliated	MOB	118.4	1.79%
4100 Bohannon Dr.	Leased- Not Affiliated	Office	114.5	1.73%
2500 Grant Rd.	Leased- Not Affiliated	Hospital	70.6	1.07%
770 Welch Rd.	Leased- Not Affiliated	MOB	112.7	1.70%
750 Welch Rd.	Leased- Not Affiliated	MOB	101.5	1.53%
4200 Bohannon Dr.	Leased- Not Affiliated	Office	31.4	0.47%
2452 Watson Ct.	Leased- Not Affiliated	MOB	29.7	0.45%
4300 Bohannon Dr.	Leased- Not Affiliated	Office	28.1	0.42%
1290 59th St.	Leased- Not Affiliated	MOB	25.6	0.39%
321 Middlefield Rd.	Leased- Not Affiliated	MOB	24.7	0.37%
3480 Buskirk Ave.	Leased- Not Affiliated	MOB	21.9	0.33%
4600 Bohannon Dr.	Leased- Not Affiliated	Home pharmacy/office	20.7	0.31%
180 El Camino Real	Leased- Not Affiliated	Office	19.6	0.30%
401 Quarry Rd.	Leased- Not Affiliated	MOB	19.5	0.29%
777 Welch Rd.	Owned	Office	19.1	0.29%
14777 Los Gatos Blvd.	Leased- Not Affiliated	MOB	18.7	0.28%
1174 Castro St.	Leased- Not Affiliated	MOB	18.6	0.28%
1720 El Camino Real	Leased- Not Affiliated	MOB	18.0	0.27%
2495 Hospital Dr.	Leased- Not Affiliated	MOB	16.8	0.25%
2490 Hospital Dr.	Leased- Not Affiliated	MOB	16.8	0.25%
212 San Jose St.	Leased- Not Affiliated	MOB	10.7	0.16%
1401 Spanos Ct.	Leased- Not Affiliated	MOB	10.0	0.15%

FACILITY ADDRESS	OWNERSHIP TYPE*	FACILITY TYPE	Scope 1 & 2 MT CO ₂ e	PERCENTAGE OF TOTAL ORGANIZATIONAL SCOPE 1 & 2 EMISSIONS
5000 Pleasanton Ave.	Leased- Not Affiliated	MOB	9.2	0.14%
1371 E. Foxhill Drive	Leased- Not Affiliated	Apartments	8.9	0.13%
106 La Casa Via	Leased- Not Affiliated	MOB	8.9	0.13%
1685 Commercial Way	Leased- Not Affiliated	MOB	8.2	0.12%
2800 L Street	Leased- Not Affiliated	MOB	8.0	0.12%
2900 Whipple Ave.	Leased- Not Affiliated	MOB	7.7	0.12%
170 Alameda de las Pulgas	Leased- Not Affiliated	Hospital	7.7	0.12%
1601 Ygnacio Valley Rd.	Leased- Not Affiliated	MOB	6.0	0.09%
350 Park Dr	Leased- Not Affiliated	Apartments	5.6	0.08%
700 Welch Rd.	Leased -Sole Operated	Office	5.5	0.08%
555 Knowles Dr.	Leased- Not Affiliated	Office	4.6	0.07%
1601 Ygnacio Valley Rd.	Leased- Not Affiliated	Office	2.3	0.03%
2147 Mowry Ave.	Leased- Not Affiliated	MOB	0.6	0.01%
TOTAL			6,626	100.0%

***Owned*” denotes facilities exclusively owned and operated by Stanford Children’s. “Leased-Sole Operated” describes facilities leased from a third party, where Stanford Chil–dren’s oversees the building’s operations and is the sole occupant. “Leased-Not Affiliated” refers to facilities leased by Stanford Children’s in buildings where they do not have operational control. These buildings are managed by entities unaffiliated with Stanford Children’s.

STANFORD CHILDREN'S FY23 SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e PER SQUARE FEET) COMPARISON BY FACILITY

This section of the report presents a concise overview of each facility's Scope 1 and 2 GHG emissions. Each facility's emissions are displayed in a one-page format, starting with the facility with the smallest emissions and progressing to those with the largest. Each letter within the index column in the table on the following page contains a hyperlink that leads to the specific facility's one-page infographics.

The top of each one-pager shows the facility's address (A.), and the graphs below each address reflect the Scope 1 and 2 emissions for that location.

The bar chart at the top of the one-pager (B.) compares the carbon intensity of Scope 1 and 2 across all facilities, sorted from smallest to largest. The highlighted bar denotes the facility's carbon intensity in comparison to others.

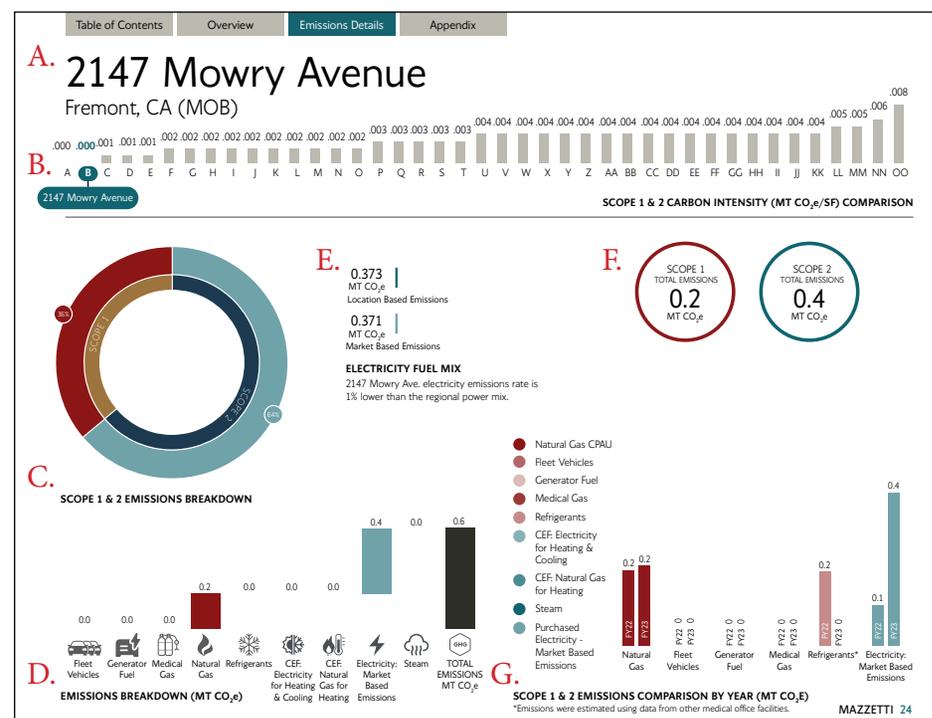
The donut chart directly beneath the Scope 1 and 2 Carbon Intensity Comparison bar displays the breakdown of Scope 1 and 2 emissions as a percentage of the total (C.).

Below the donut chart, the waterfall graph (D.) showcases the MT CO₂e of each emission category. The last bar represents the facility's total Scope 1 and 2 emissions.

On the right-hand side of the donut chart, you will find data on the facility's electricity emissions (E.). This includes a comparison between location-based and market-based emissions. The electricity fuel mix information illustrates the proportion of the facility's electricity emissions rate (market-based emissions) relative to the regional power mix (location-based emissions).

The two bubble charts on the right side of the one-pager (F.) display the facility's Scope 1 and 2 total in MT CO₂e.

The clustered column (G.) compares the facility's FY23 Scope 1 and 2 emissions against its FY22 emissions.



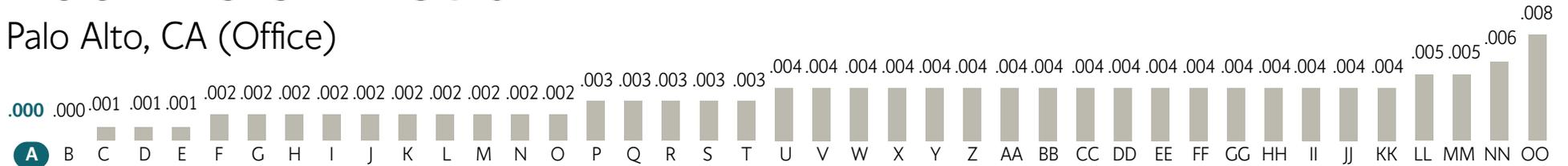
STANFORD CHILDREN'S FY23 SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e PER SQUARE FEET) COMPARISON BY FACILITY

The following pages outline the Scope 1 and 2 emissions for each facility, offering insights into the sources of emissions. Facilities are listed by carbon intensity from lowest to highest.

INDEX	FACILITY ADDRESS	FACILITY TYPE	INDEX	FACILITY ADDRESS	FACILITY TYPE*
A	700 Welch Rd.	Office	V	401 Quarry Rd.	MOB
B	2147 Mowry Ave.	MOB	W	2452 Watson Ct.	MOB
C	180 El Camino Real	Office	X	1290 59th St.	MOB
D	106 La Casa Via	MOB	Y	725 Welch Rd.	Hospital
E	777 Welch Rd.	Office	Z	2800 L Street	MOB
F	321 Middlefield Rd.	MOB	AA	3480 Buskirk Ave.	MOB
G	5000 Pleasanton Ave.	MOB	BB	1601 Ygnacio Valley Rd.	MOB
H	4300 Bohannon Dr.	Office	CC	14777 Los Gatos Blvd.	MOB
I	555 Knowles Dr.	Office	DD	1100 Van Ness Ave.	MOB
J	1601 Ygnacio Valley Rd.	Office	EE	1401 Spanos Ct.	MOB
K	4600 Bohannon Dr.	Home pharmacy/office	FF	1685 Commercial Way	MOB
L	4200 Bohannon Dr.	Office	GG	2495 Hospital Dr.	MOB
M	350 Park Dr.	Apartments	HH	2490 Hospital Dr.	MOB
N	1371 E. Foxhill Dr.	Apartments	II	1174 Castro St.	MOB
O	4100 Bohannon Dr.	Office	JJ	212 San Jose St.	MOB
P	170 Alameda de las Pulgas	Hospital	KK	2900 Whipple Ave.	MOB
Q	2500 Grant Rd.	Hospital	LL	1195 West Fremont Ave.	MOB
R	770 Welch Rd.	MOB	MM	1720 El Camino Real	MOB
S	4700 Bohannon Dr.	Office	NN	14601 S. Bascom Ave.	MOB
T	750 Welch Rd.	MOB	OO	730 and 732 Welch Specialty Services	MOB
U	14651 S. Bascom Ave.	MOB			

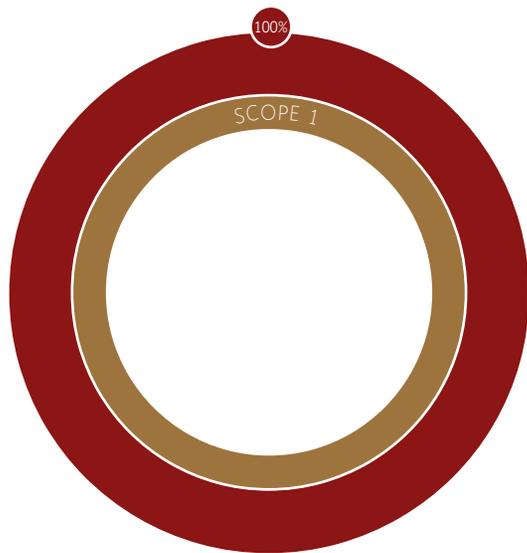
700 Welch Road

Palo Alto, CA (Office)



700 Welch Rd.

SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON



95.78
MT CO₂e
Location Based Emissions

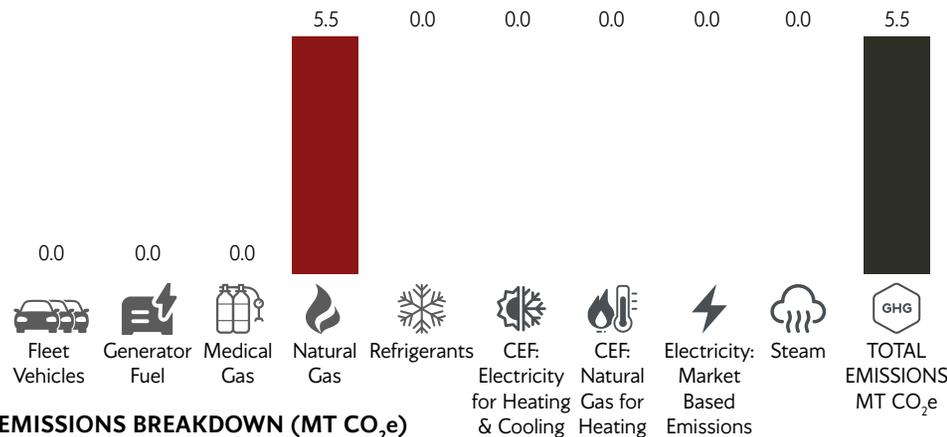
0.0
MT CO₂e
Market Based Emissions



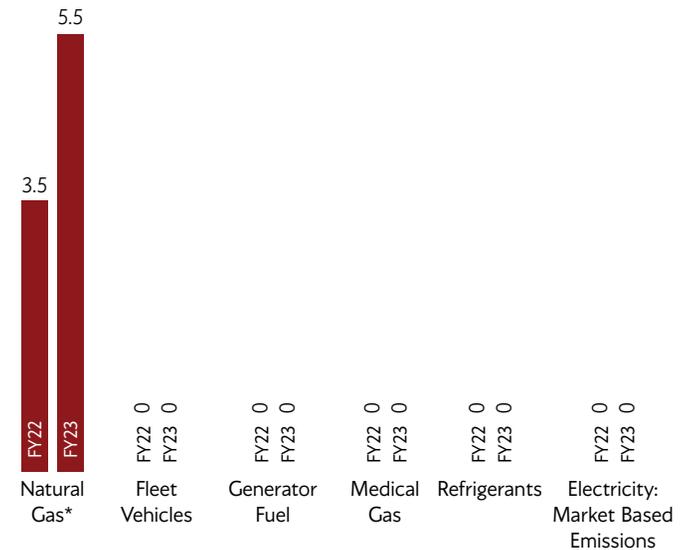
ELECTRICITY FUEL MIX

700 Welch Rd. electricity emissions rate is 100% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

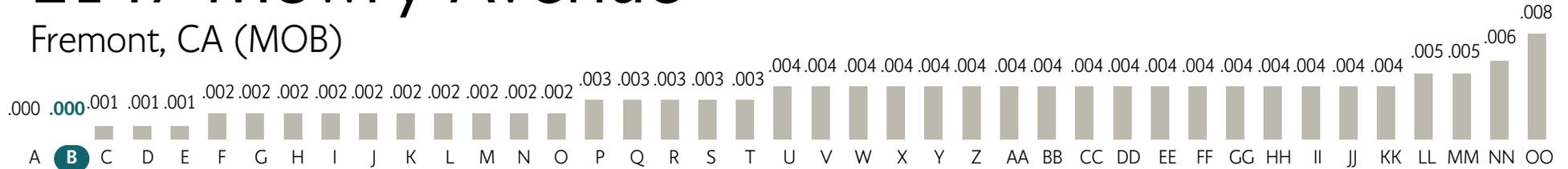


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas usage increased in FY23.

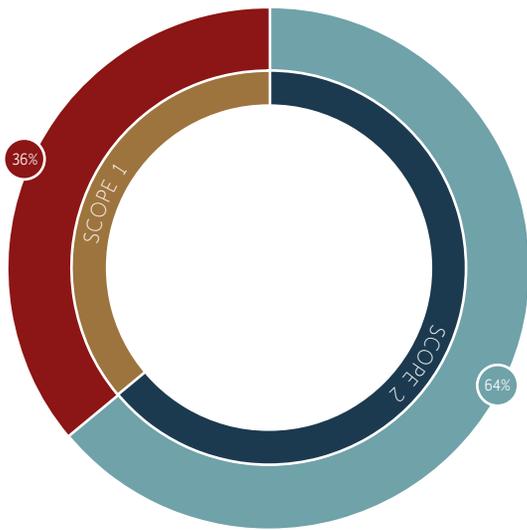
2147 Mowry Avenue

Fremont, CA (MOB)



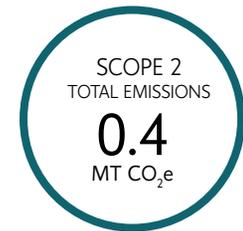
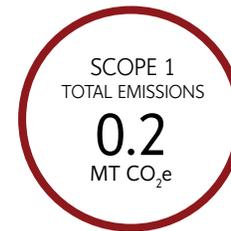
2147 Mowry Avenue

SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON



0.373
MT CO₂e
Location Based Emissions

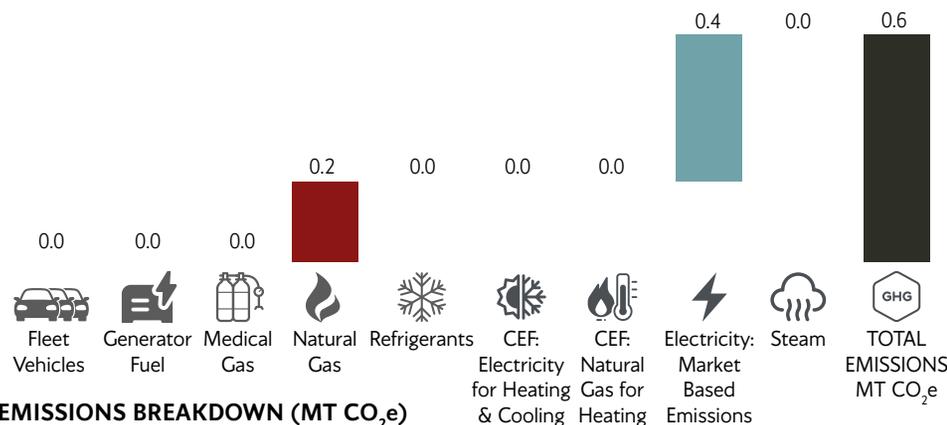
0.371
MT CO₂e
Market Based Emissions



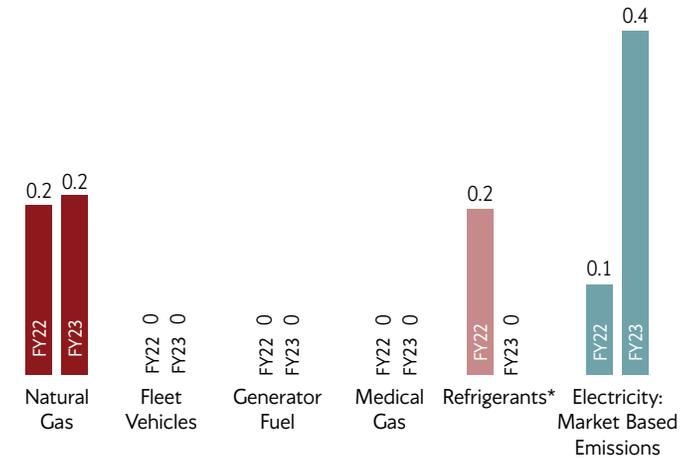
ELECTRICITY FUEL MIX

2147 Mowry Ave. electricity emissions rate is 1% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

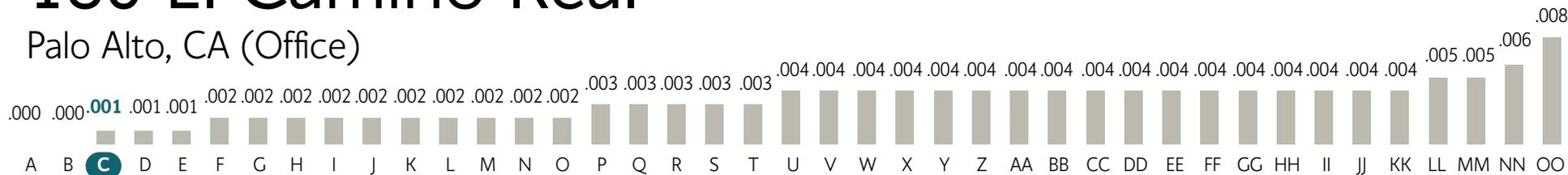


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

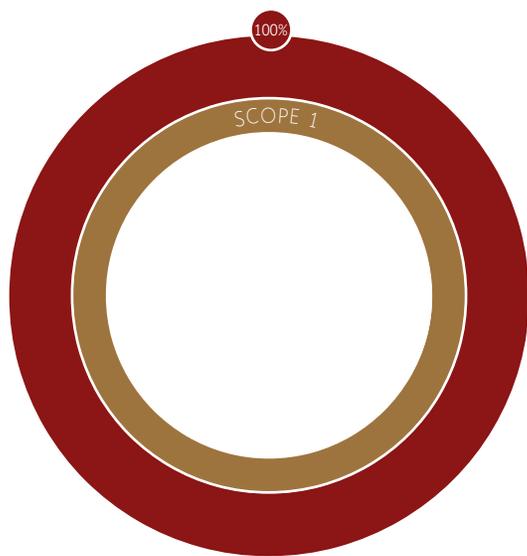
180 El Camino Real

Palo Alto, CA (Office)



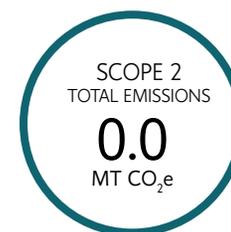
180 El Camino Real

SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON



55.64
MT CO₂e
Location Based Emissions

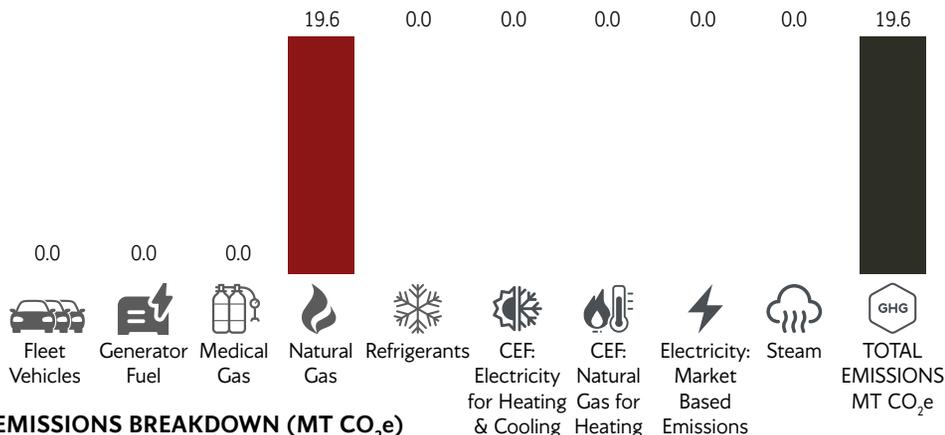
0.0
MT CO₂e
Market Based Emissions



ELECTRICITY FUEL MIX

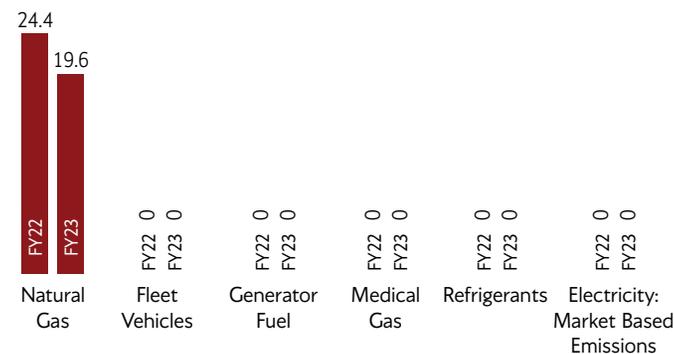
180 El Camino Real electricity emissions rate is 100% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



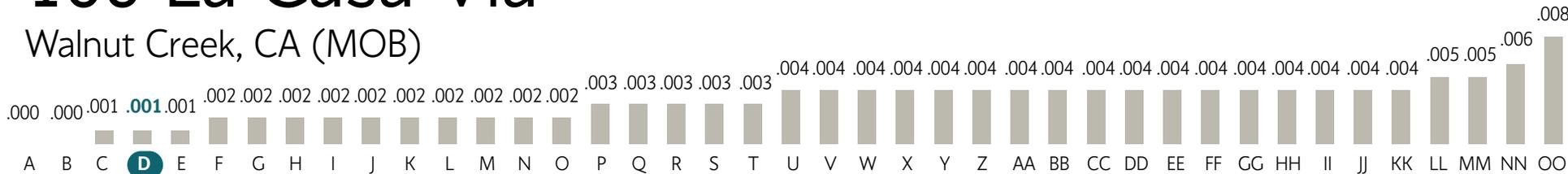
- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)



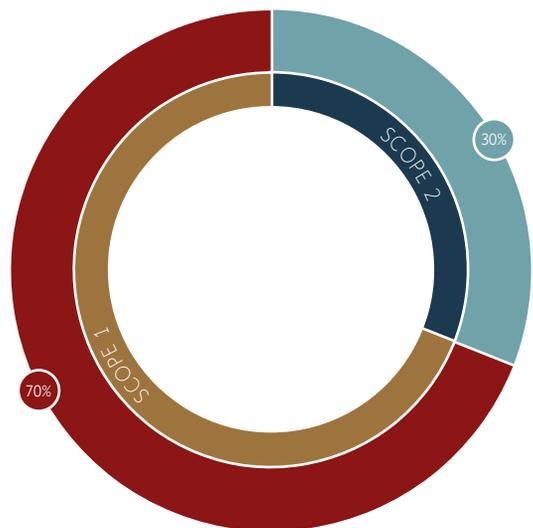
106 La Casa Via

Walnut Creek, CA (MOB)



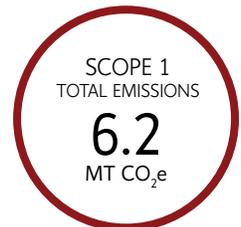
106 La Casa Via

SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON



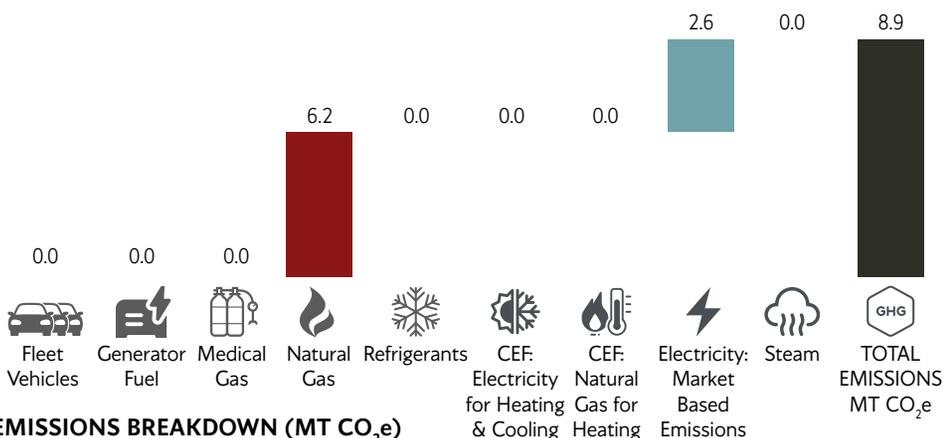
23.53
MT CO₂e
Location Based Emissions

2.64
MT CO₂e
Market Based Emissions

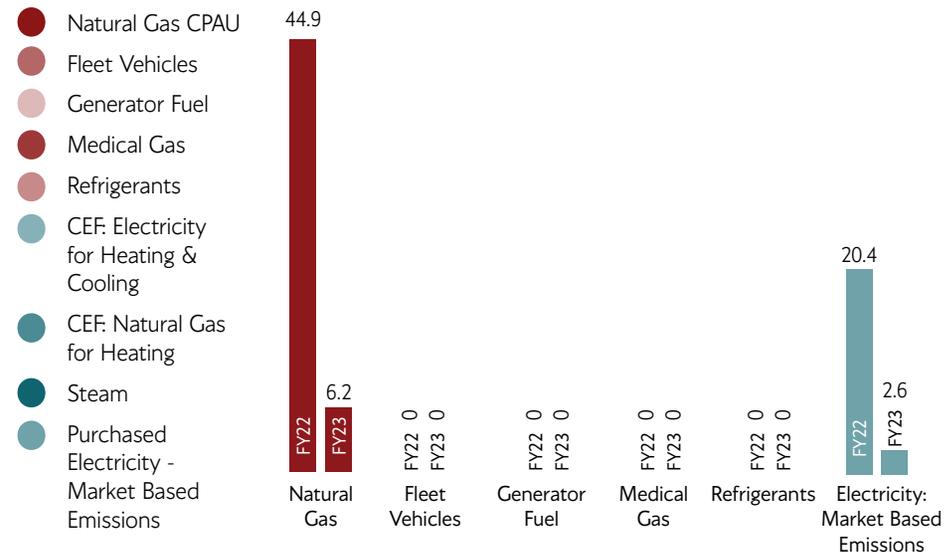


ELECTRICITY FUEL MIX
106 La Casa Via electricity emissions rate is 89% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



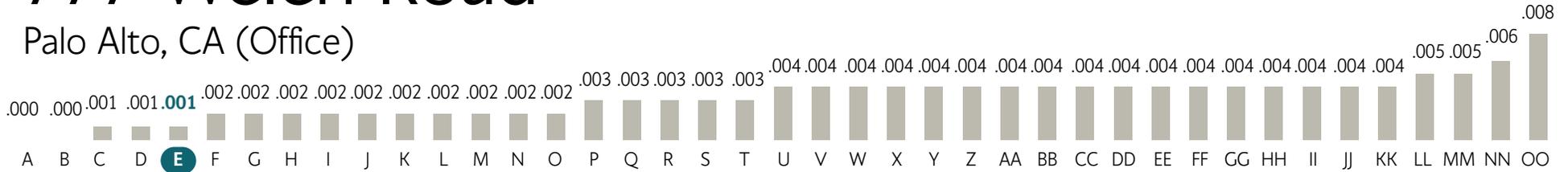
EMISSIONS BREAKDOWN (MT CO₂e)



SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂E)

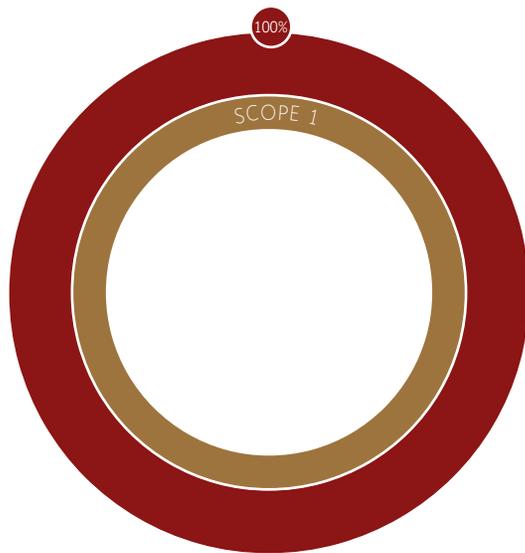
777 Welch Road

Palo Alto, CA (Office)



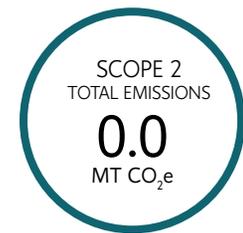
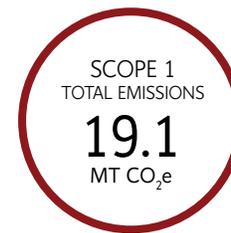
777 Welch Rd.

SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON



23.3
MT CO₂e
Location Based Emissions

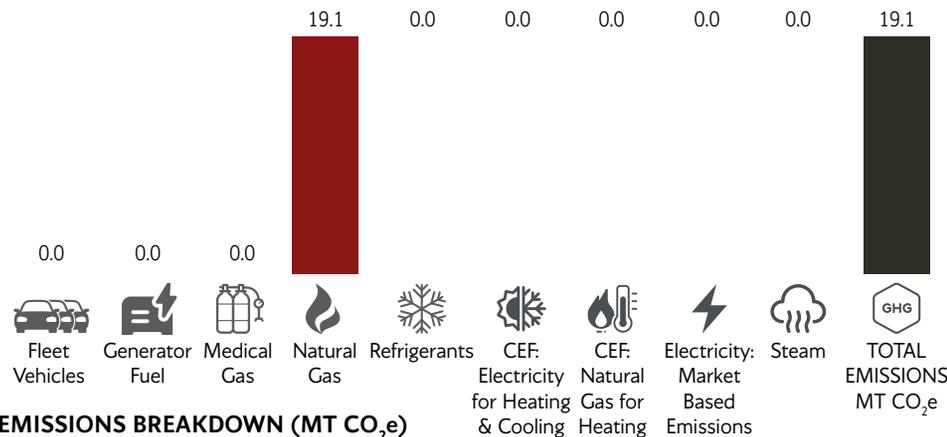
0.0
MT CO₂e
Market Based Emissions



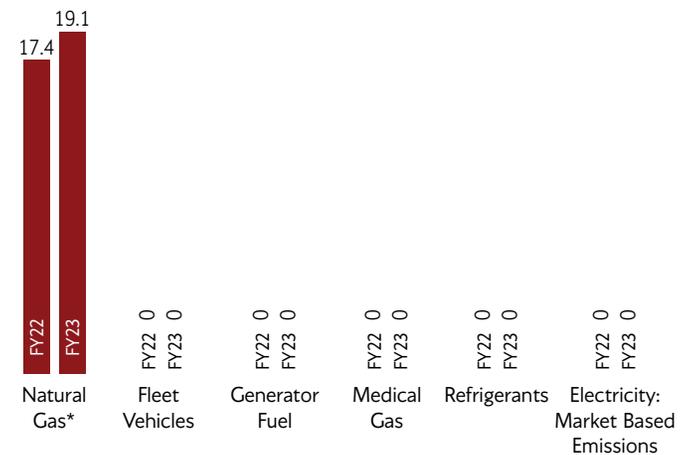
ELECTRICITY FUEL MIX

777 Welch Rd. electricity emissions rate is 100% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

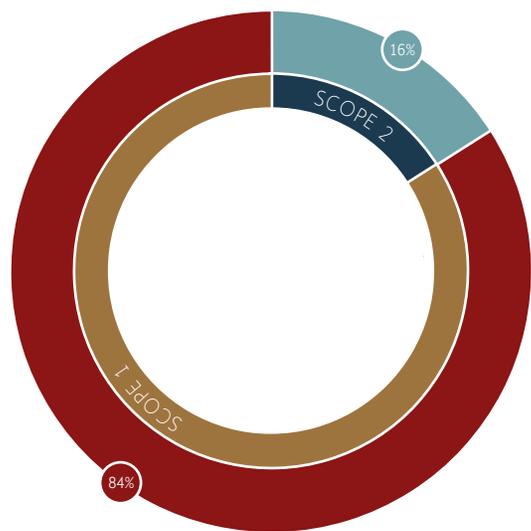
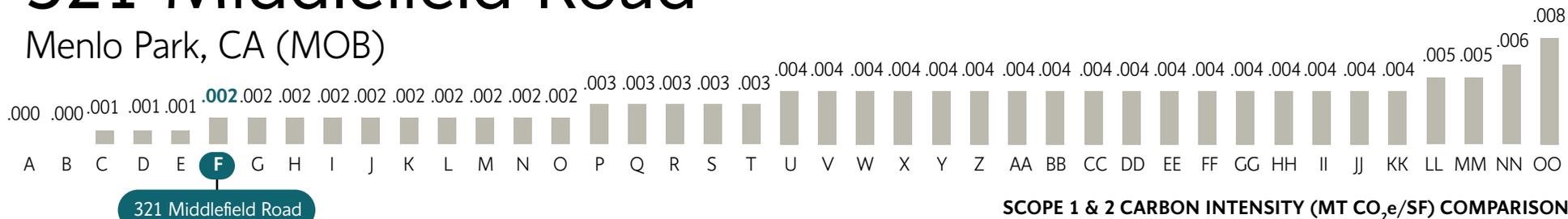


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas usage increased in FY23

321 Middlefield Road

Menlo Park, CA (MOB)



34.36
MT CO₂e
Location Based Emissions

3.85
MT CO₂e
Market Based Emissions

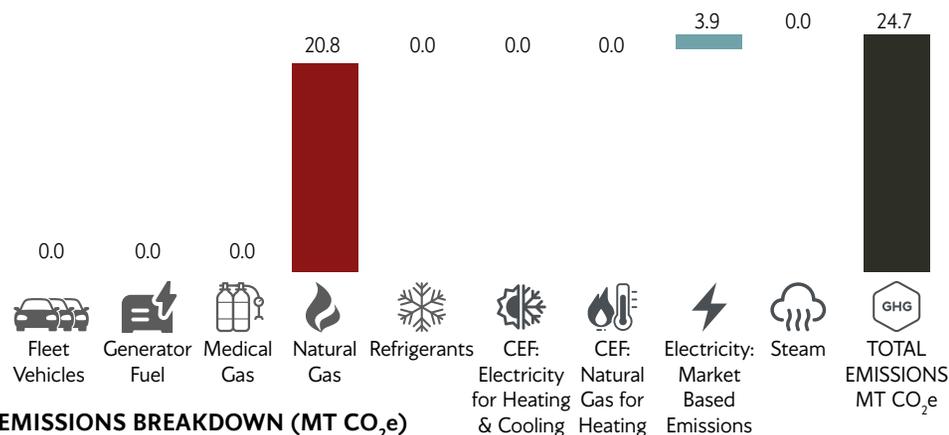
SCOPE 1
TOTAL EMISSIONS
20.8
MT CO₂e

SCOPE 2
TOTAL EMISSIONS
3.9
MT CO₂e

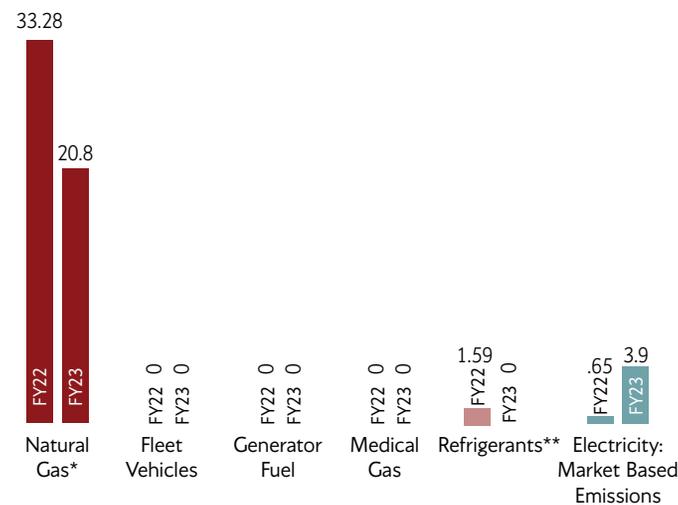
ELECTRICITY FUEL MIX

321 Middlefield Road electricity emissions rate is 89% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



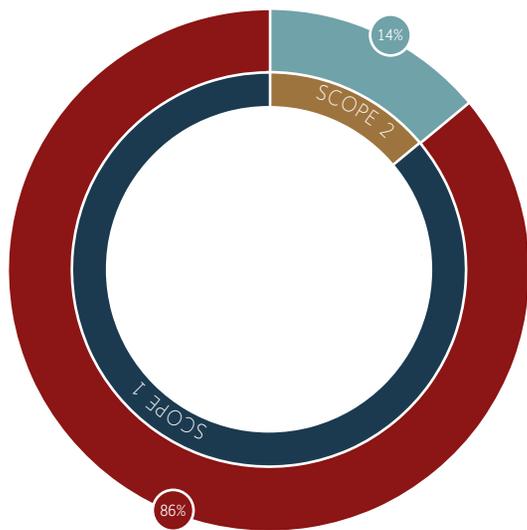
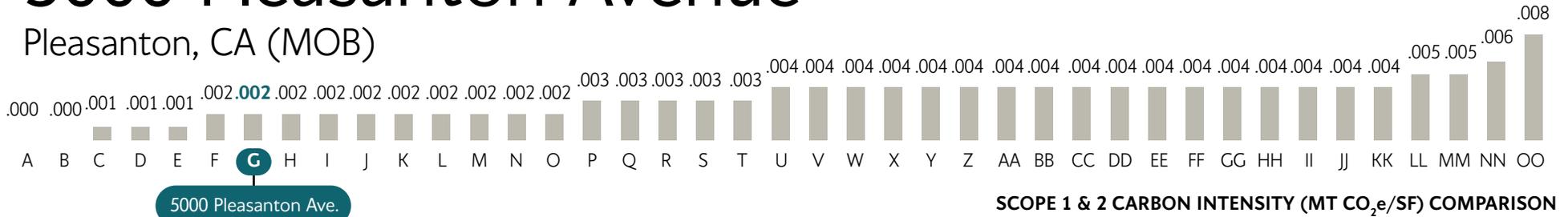
SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂E)

*Natural Gas usage decreased in FY23

**Emissions were estimated using data from other medical office facilities

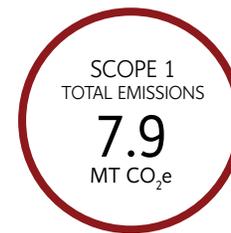
5000 Pleasanton Avenue

Pleasanton, CA (MOB)



11.38
MT CO₂e
Location Based Emissions

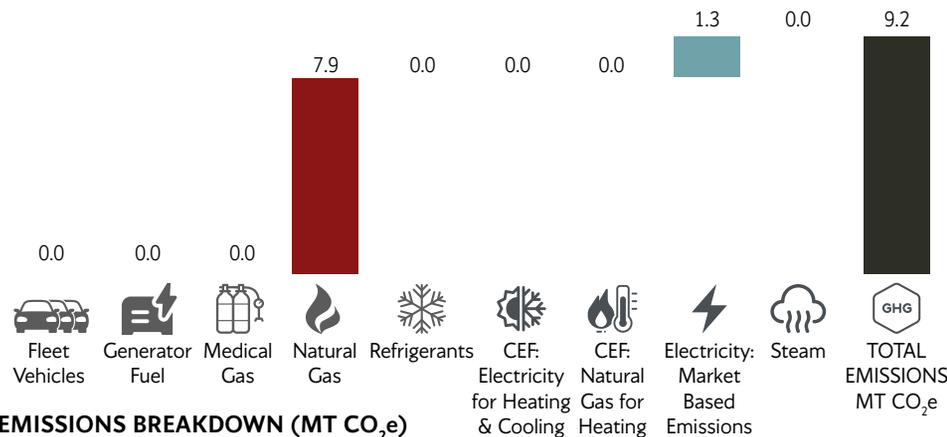
1.28
MT CO₂e
Market Based Emissions



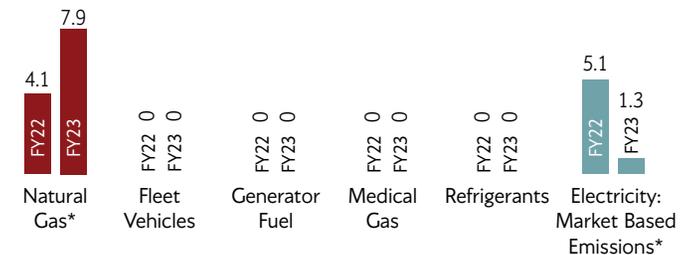
ELECTRICITY FUEL MIX

5000 Pleasanton Ave. electricity emissions rate is 89% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

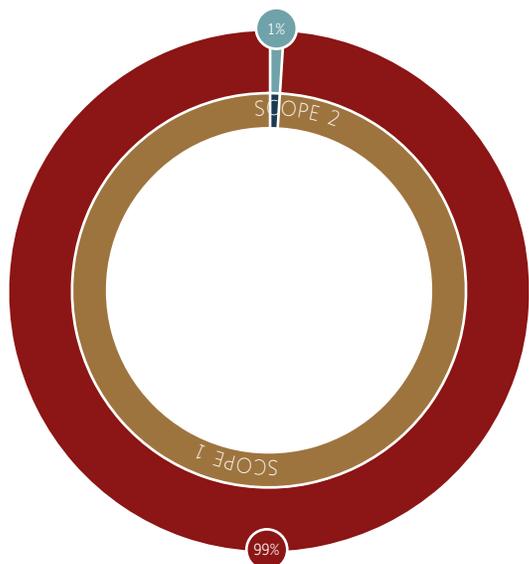
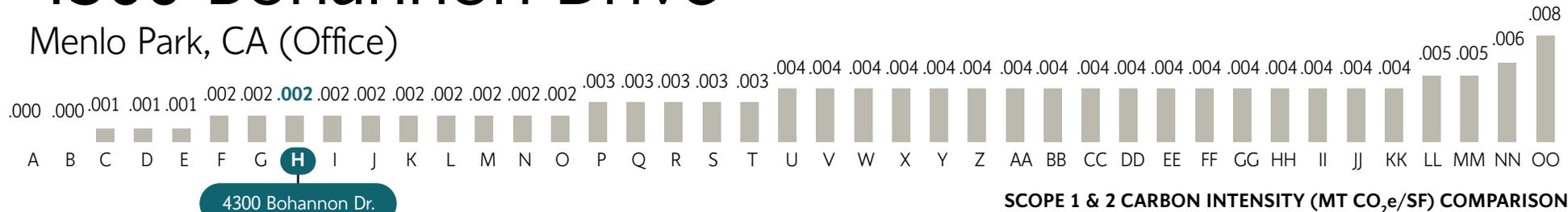


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas usage increased and PG&E emissions factor for electricity decreased from 160.05 to 56 MT CO₂e.

4300 Bohannon Drive

Menlo Park, CA (Office)

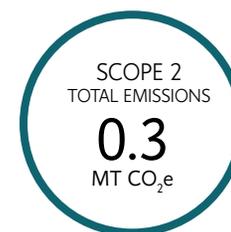


36.34
MT CO₂e
Location Based Emissions

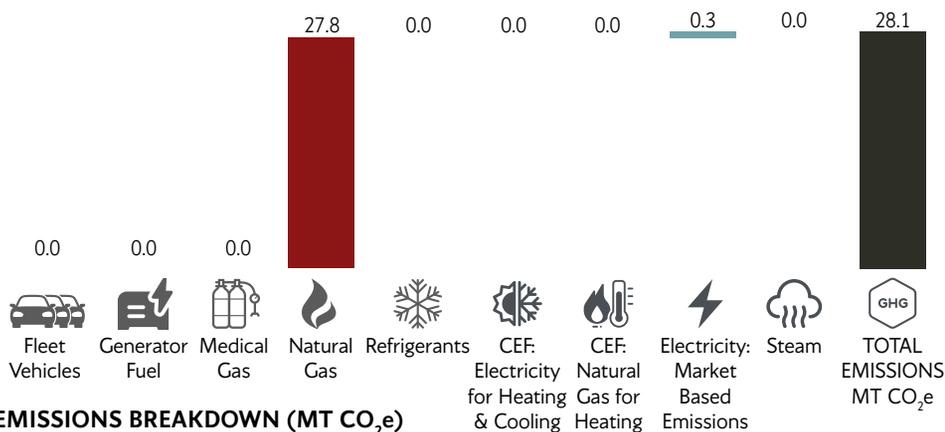
0.28
MT CO₂e
Market Based Emissions

ELECTRICITY FUEL MIX

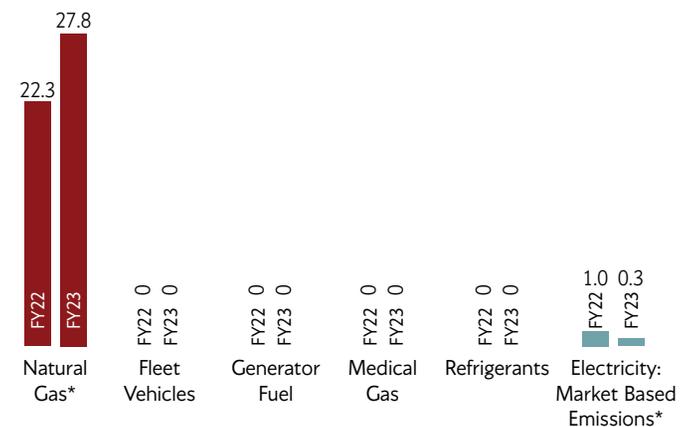
4300 Bohannon Dr. electricity emissions rate is 99% lower than the regional power mix.



SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

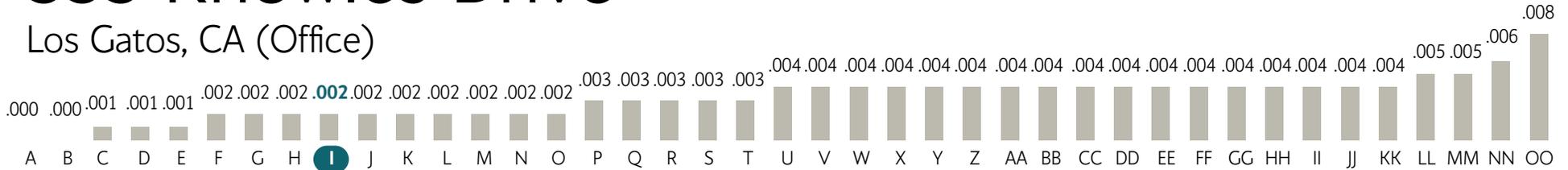


*Emissions were estimated using data from other office facilities



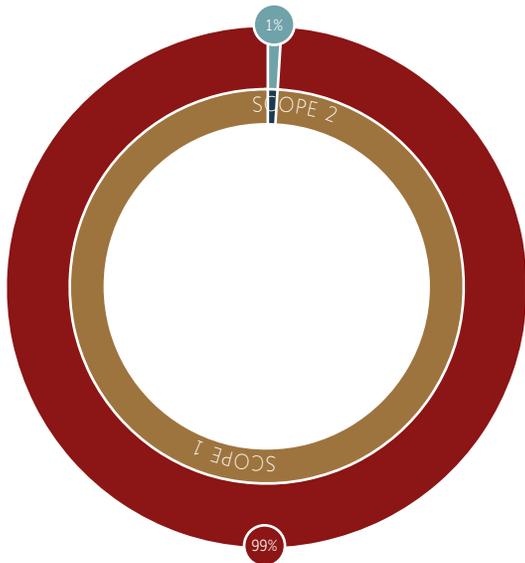
555 Knowles Drive

Los Gatos, CA (Office)



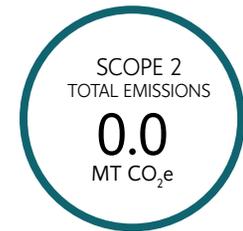
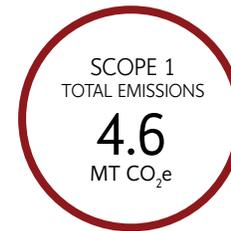
555 Knowles Dr.

SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON



5.99 MT CO₂e
Location Based Emissions

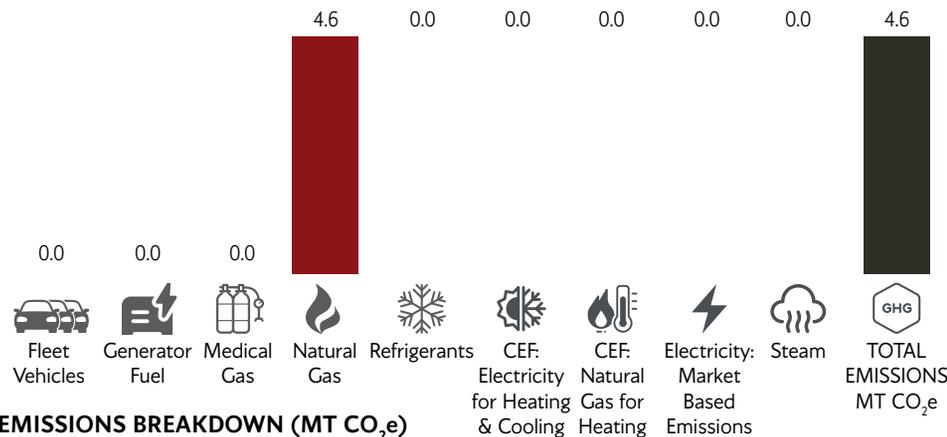
0.05 MT CO₂e
Market Based Emissions



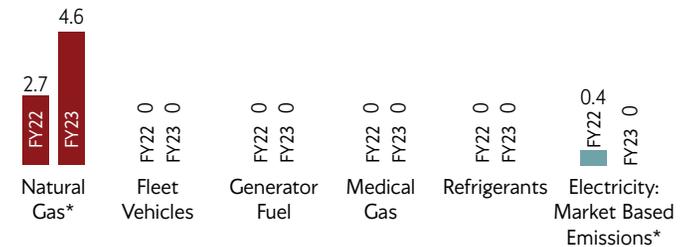
ELECTRICITY FUEL MIX

555 Knowles Dr. electricity emissions rate is 99% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



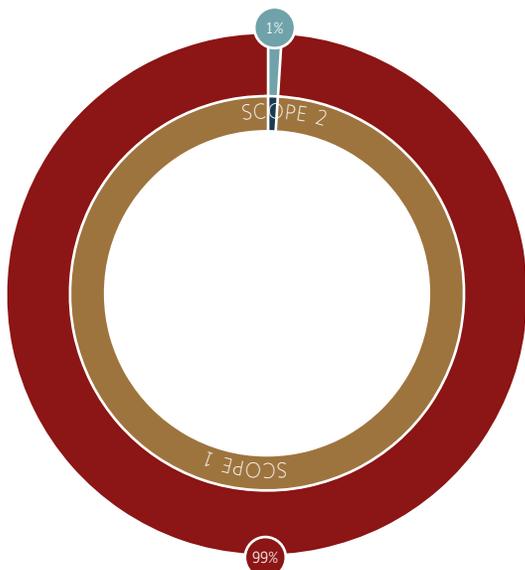
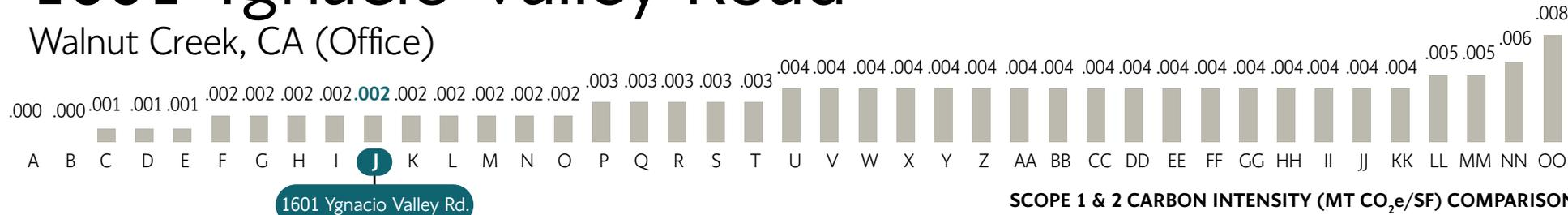
SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from [toher](#) office facilities

EMISSIONS BREAKDOWN (MT CO₂e)

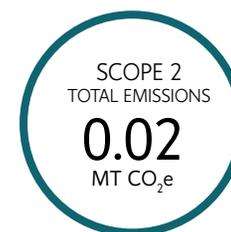
1601 Ygnacio Valley Road

Walnut Creek, CA (Office)



2.3
MT CO₂e
Location Based Emissions

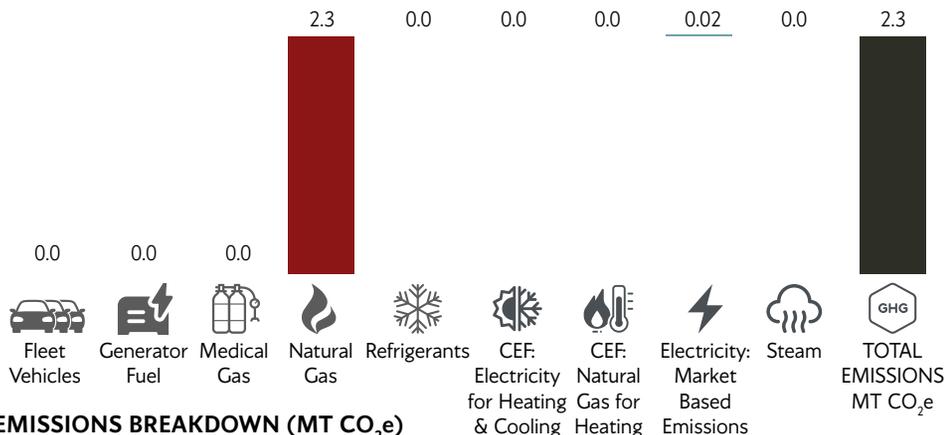
0.0
MT CO₂e
Market Based Emissions



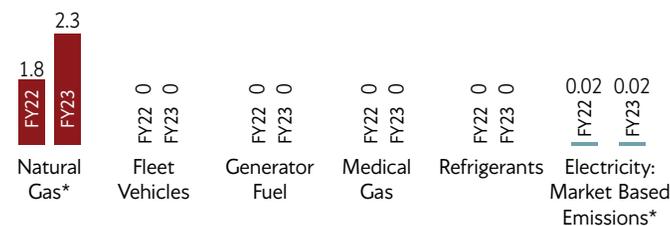
ELECTRICITY FUEL MIX

1601 Ygnacio Valley Rd. electricity emissions rate is 99% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

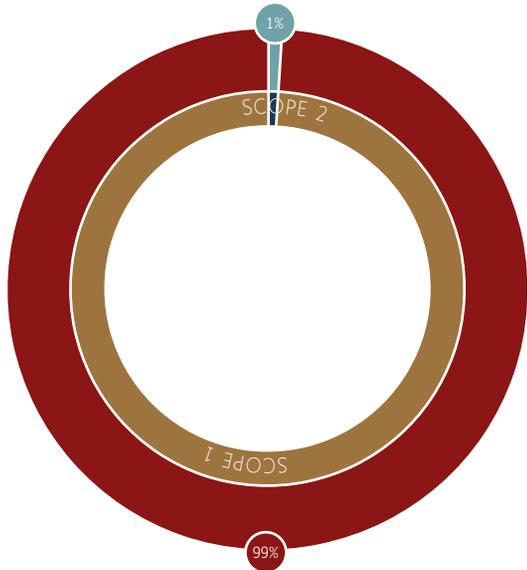
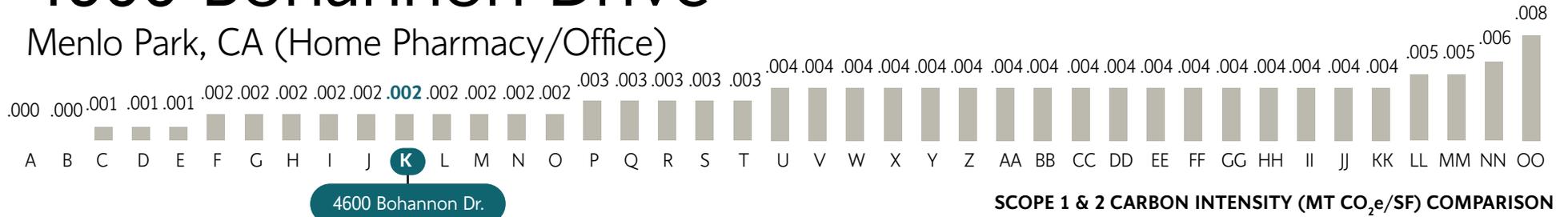


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from toher office facilities

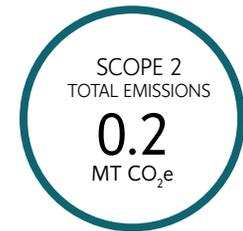
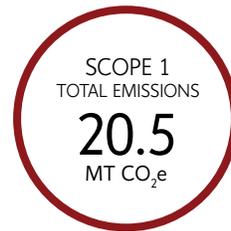
4600 Bohannon Drive

Menlo Park, CA (Home Pharmacy/Office)



26.75
MT CO₂e
Location Based Emissions

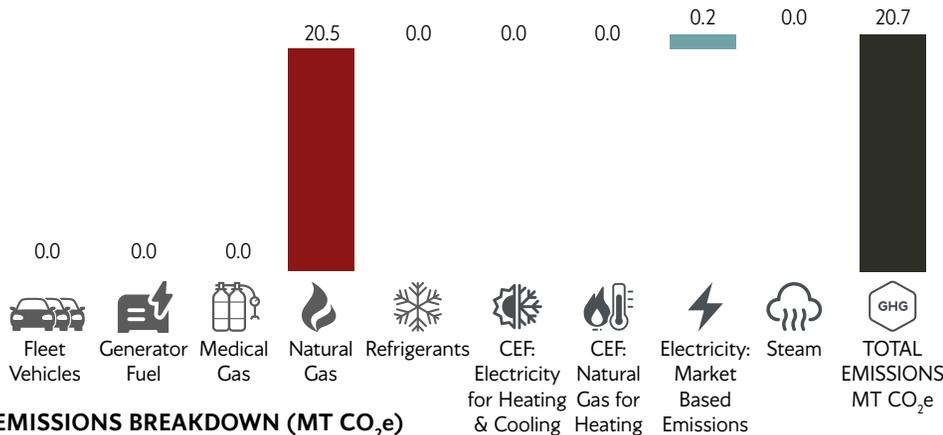
0.20
MT CO₂e
Market Based Emissions



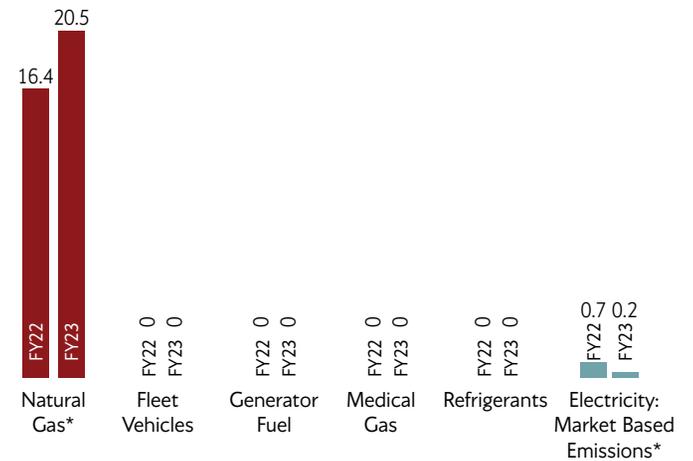
ELECTRICITY FUEL MIX

4600 Bohannon Dr. electricity emissions rate is 99% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

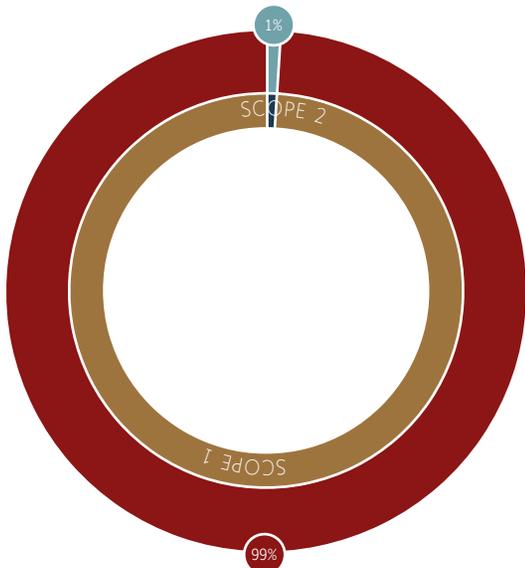
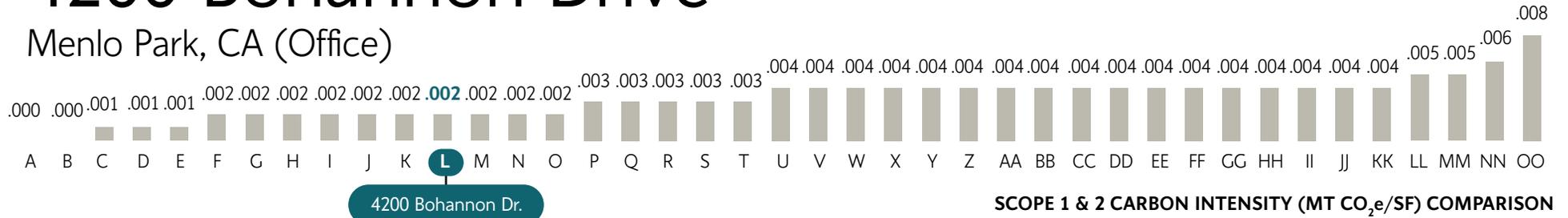


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other office facilities

4200 Bohannon Drive

Menlo Park, CA (Office)



40.68
MT CO₂e
Location Based Emissions

0.31
MT CO₂e
Market Based Emissions

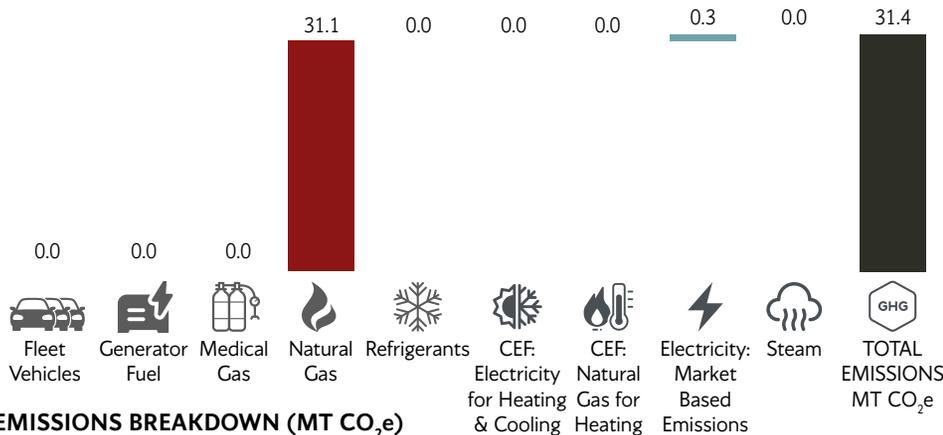
SCOPE 1
TOTAL EMISSIONS
31.1
MT CO₂e

SCOPE 2
TOTAL EMISSIONS
0.3
MT CO₂e

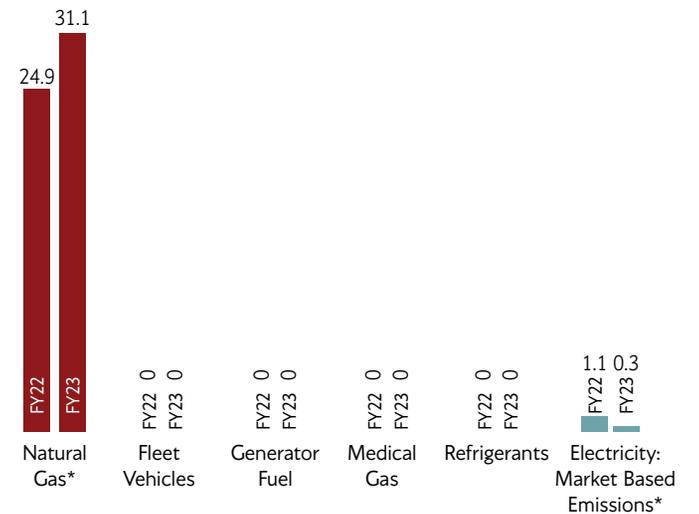
ELECTRICITY FUEL MIX

4200 Bohannon Dr. electricity emissions rate is 99% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

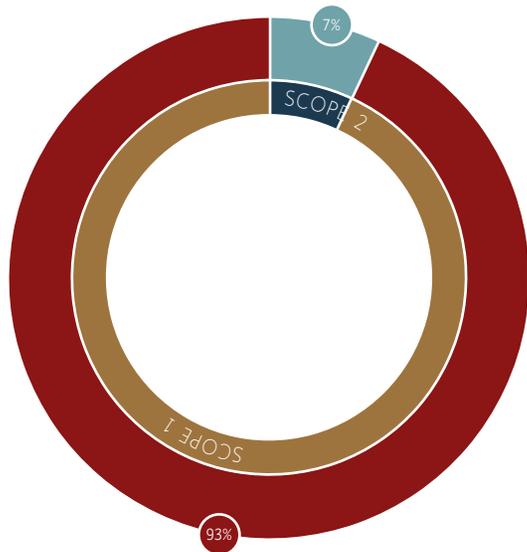
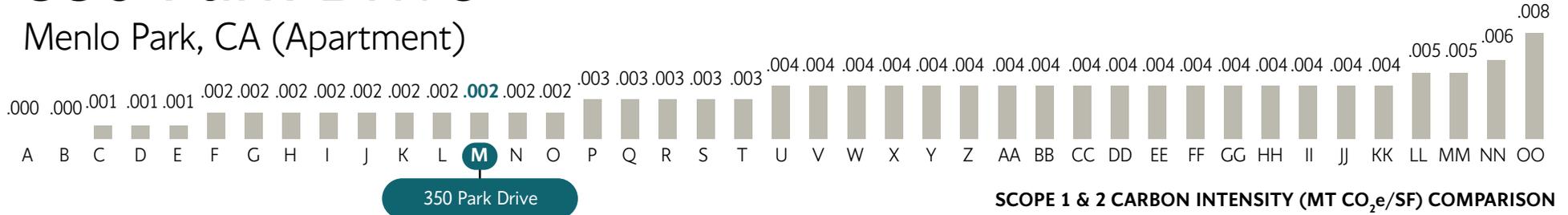


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other office facilities

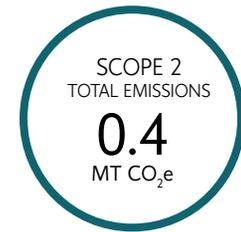
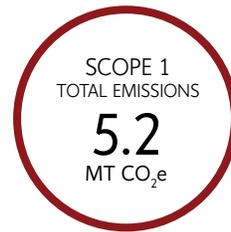
350 Park Drive

Menlo Park, CA (Apartment)



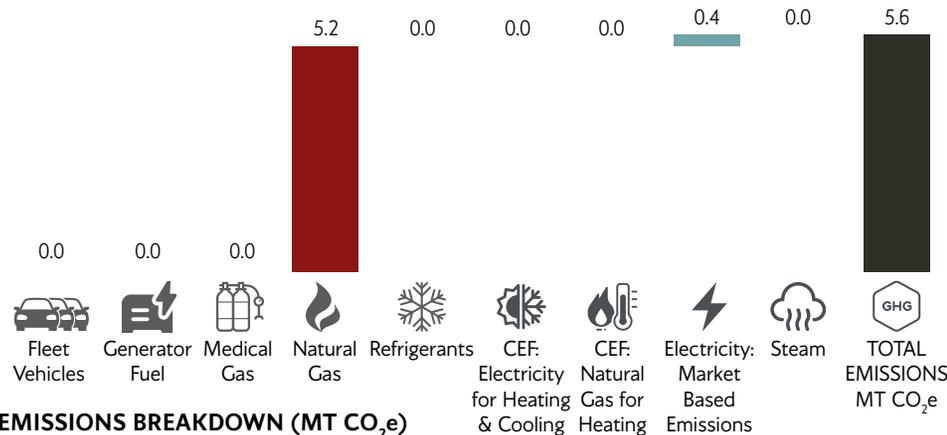
3.45
MT CO₂e
Location Based Emissions

0.39
MT CO₂e
Market Based Emissions

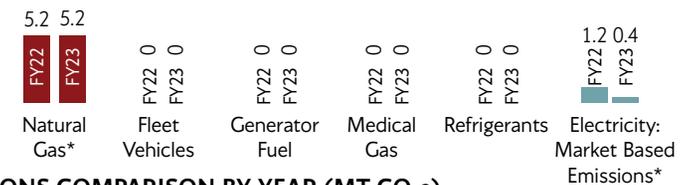


ELECTRICITY FUEL MIX
350 Park Dr. electricity emissions rate is 89% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



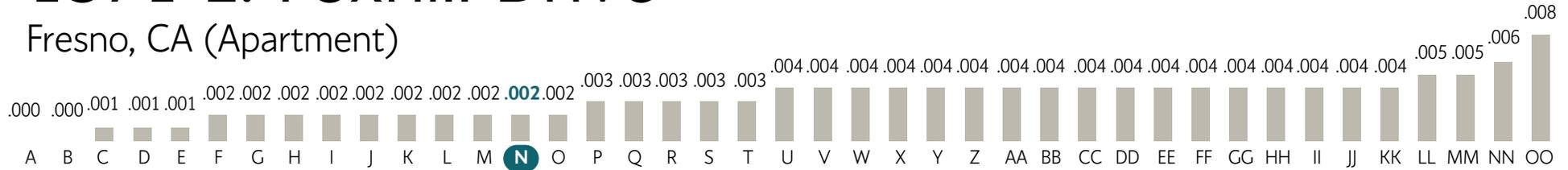
- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)
*Emissions were estimated using EnergyStar/CBECS energy use intensity by property type data. In addition, PG&E emissions factor for electricity decreased from 160.05 to 56 MT CO₂e.

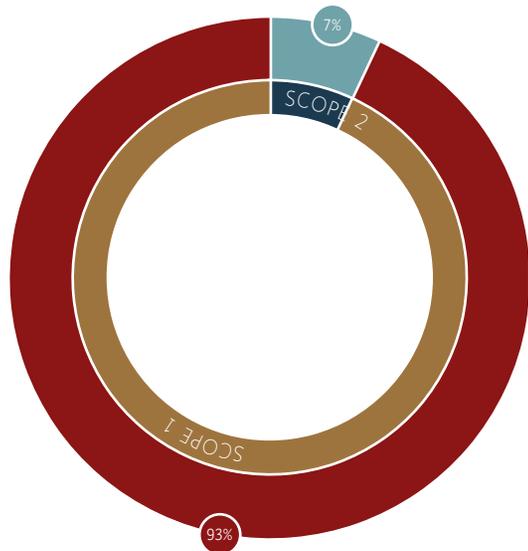
1371 E. Foxhill Drive

Fresno, CA (Apartment)



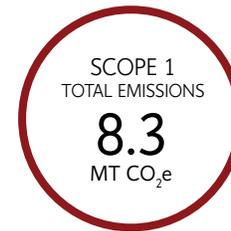
1371 E. Foxhill Dr.

SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON



5.48
MT CO₂e
Location Based Emissions

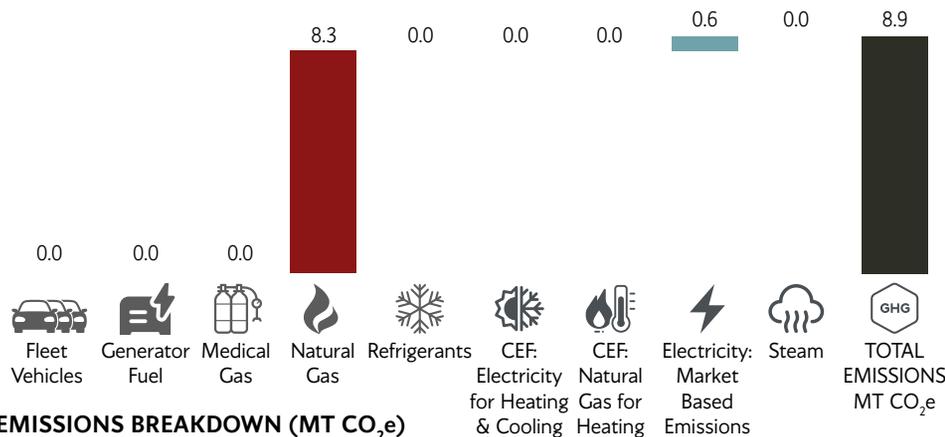
0.61
MT CO₂e
Market Based Emissions



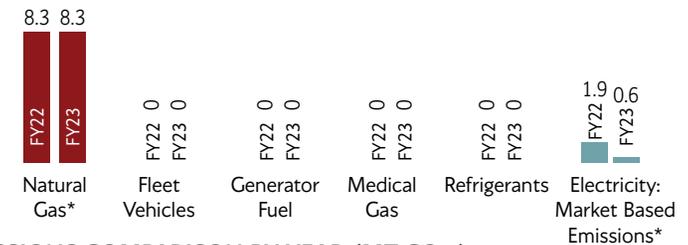
ELECTRICITY FUEL MIX

1371 E. Foxhill Dr. electricity emissions rate is 89% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

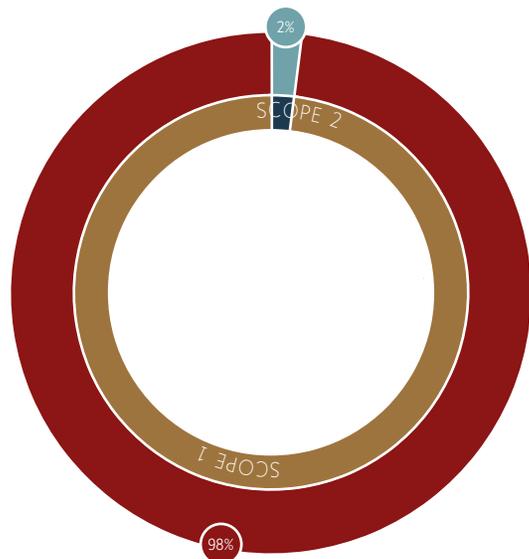
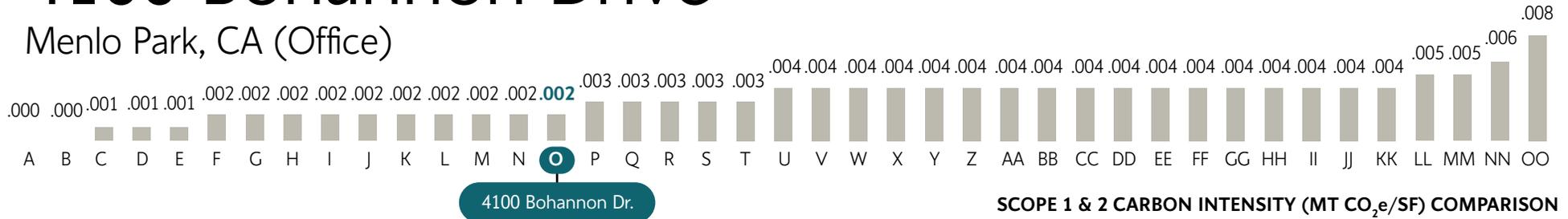


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using EnergyStar/CBECS energy use intensity by property type data. In addition, PG&E emissions factor for electricity decreased from 160.05 to 56 MT CO₂e.

4100 Bohannon Drive

Menlo Park, CA (Office)



134.77
MT CO₂e
Location Based Emissions

1.62
MT CO₂e
Market Based Emissions

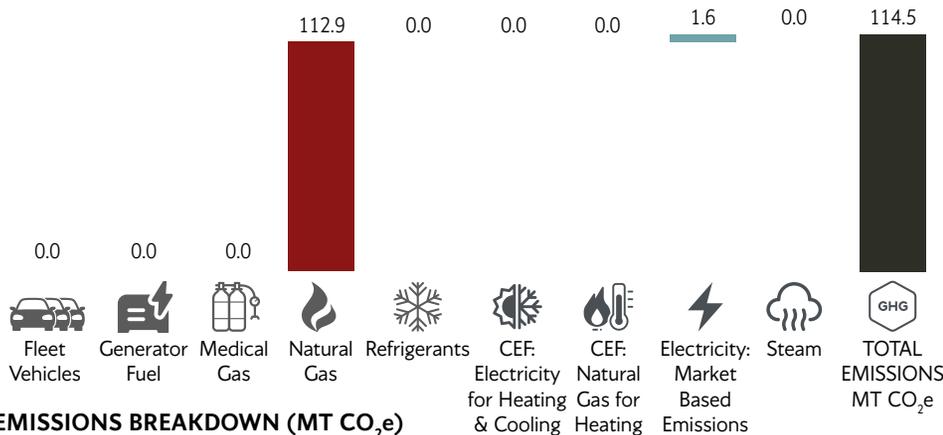
SCOPE 1
TOTAL EMISSIONS
112.9
MT CO₂e

SCOPE 2
TOTAL EMISSIONS
1.6
MT CO₂e

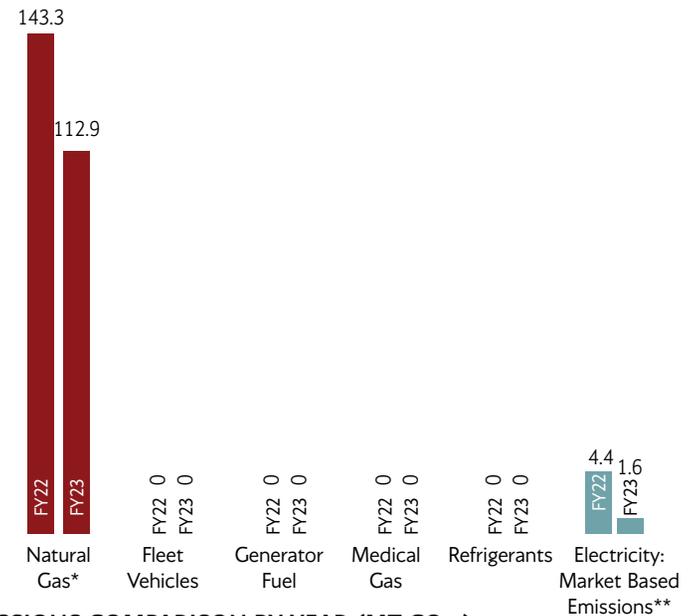
ELECTRICITY FUEL MIX

4100 Bohannon Dr. electricity emissions rate is 99% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



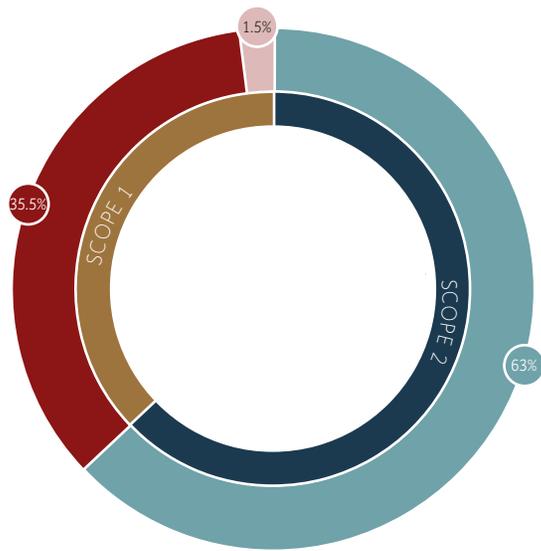
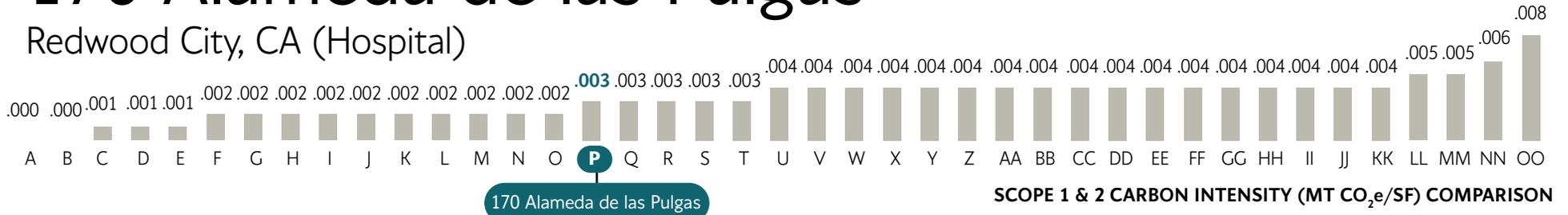
SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas used reduced in FY23

**Electricity vendor changed from PG&E/SVCE to PG&E/PCE, this caused a decrease in emission factor from 18 to 6 MT CO₂e.

170 Alameda de las Pulgas

Redwood City, CA (Hospital)



43
MT CO₂e
Location Based Emissions

5
MT CO₂e
Market Based Emissions

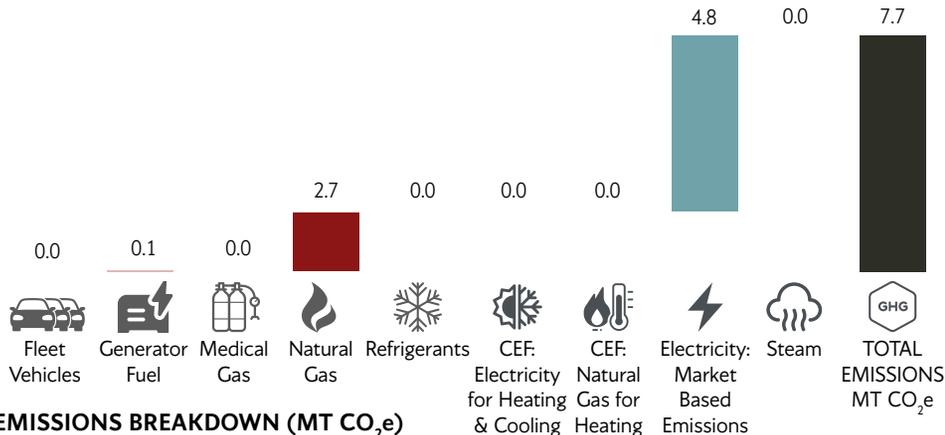
SCOPE 1
TOTAL EMISSIONS
2.9
MT CO₂e

SCOPE 2
TOTAL EMISSIONS
4.8
MT CO₂e

ELECTRICITY FUEL MIX

170 Alameda de las Pulgas electricity emissions rate is 89% lower than the regional power mix.

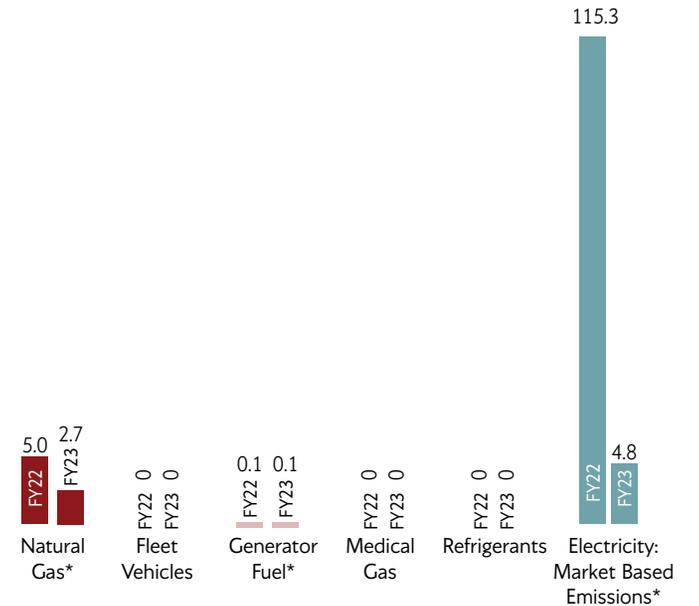
SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

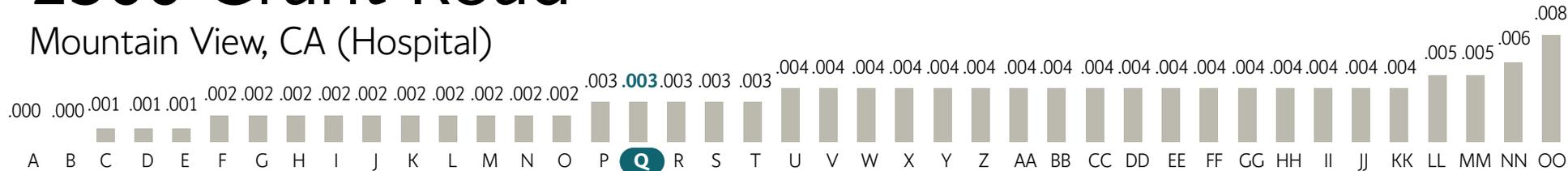
SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other hospital facilities



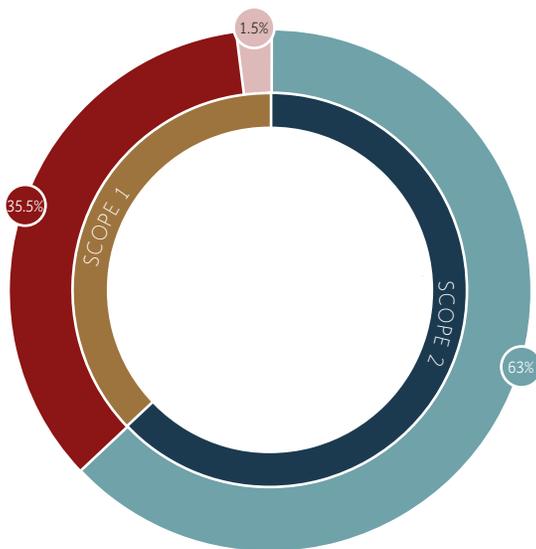
2500 Grant Road

Mountain View, CA (Hospital)



SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

2500 Grant Road



43 MT CO₂e
Location Based Emissions

5 MT CO₂e
Market Based Emissions

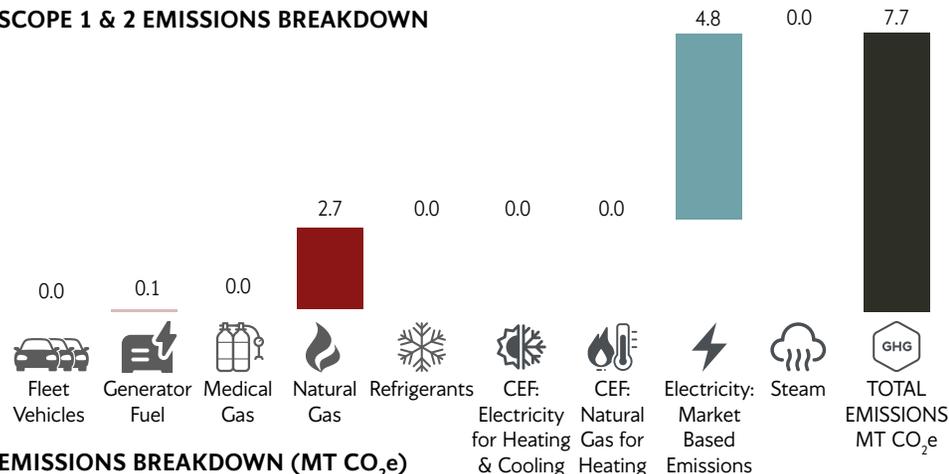
SCOPE 1 TOTAL EMISSIONS
2.9
MT CO₂e

SCOPE 2 TOTAL EMISSIONS
4.8
MT CO₂e

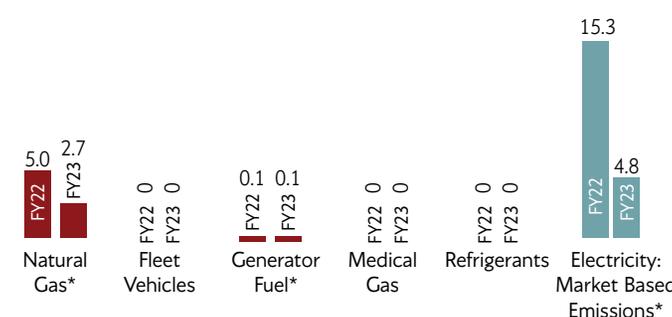
ELECTRICITY FUEL MIX

2500 Grant Road electricity emissions rate is 89% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

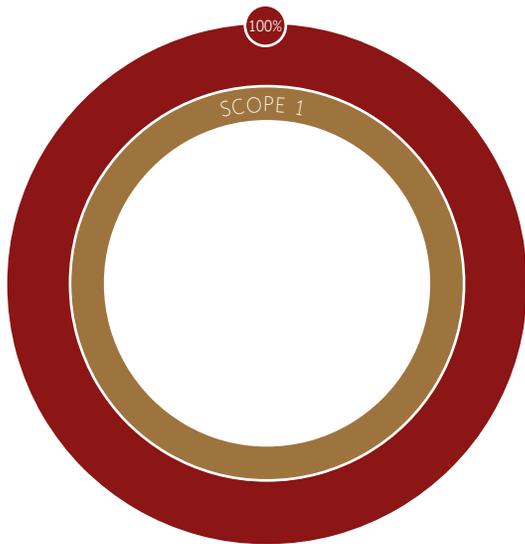
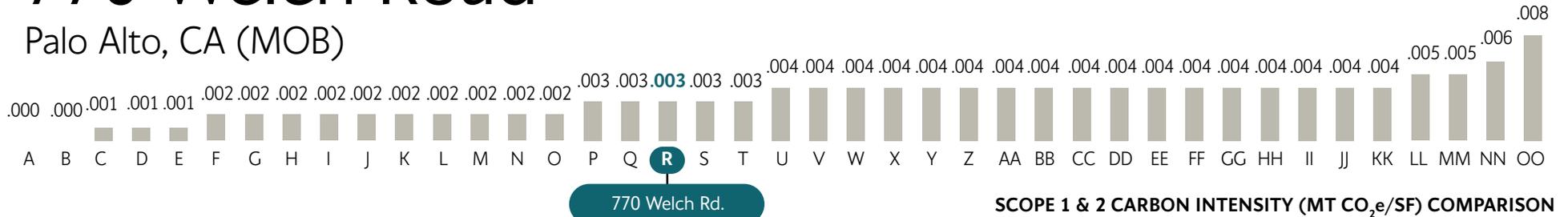


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other hospital facilities

770 Welch Road

Palo Alto, CA (MOB)

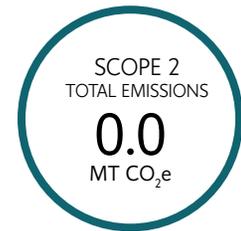
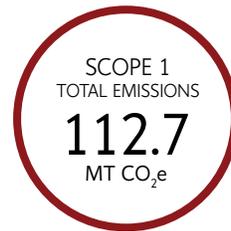


164.05
MT CO₂e
Location Based Emissions

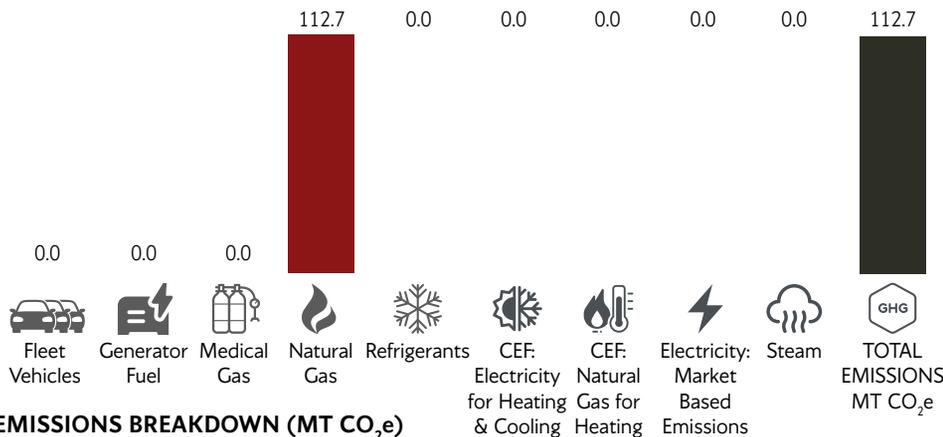
0.0
MT CO₂e
Market Based Emissions

ELECTRICITY FUEL MIX

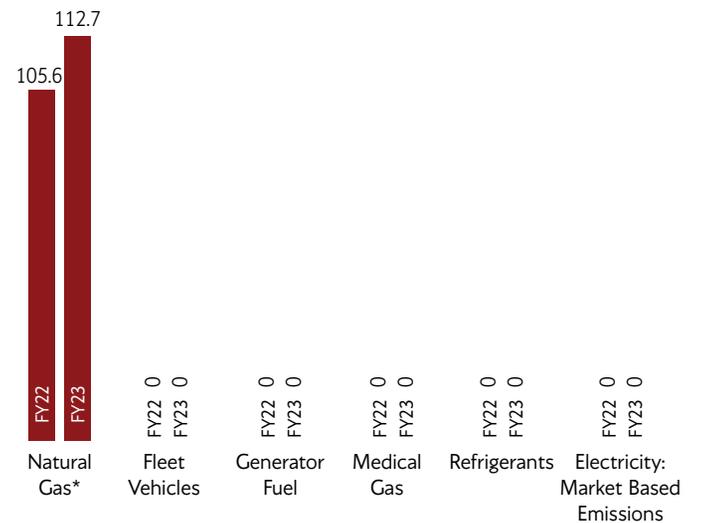
770 Welch Road electricity emissions rate is 100% lower than the regional power mix.



SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

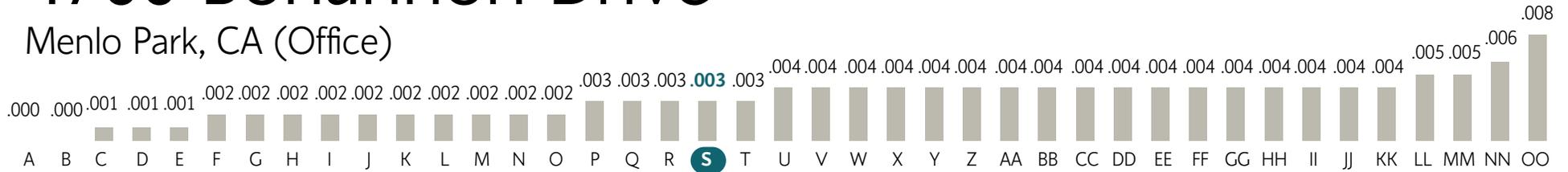


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas usage increased in FY23

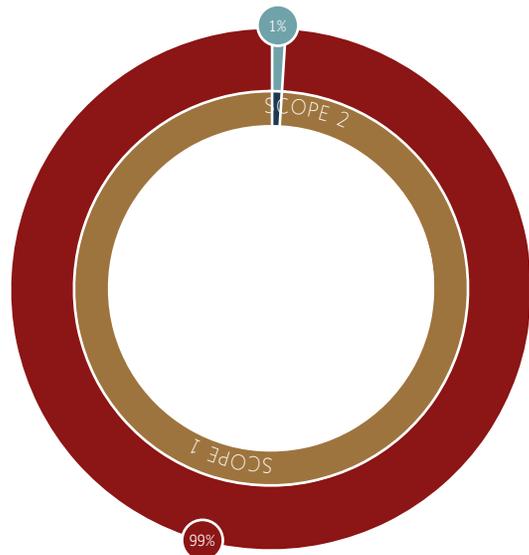
4700 Bohannon Drive

Menlo Park, CA (Office)



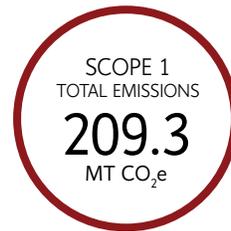
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

4700 Bohannon Dr.



169.66
MT CO₂e
Location Based Emissions

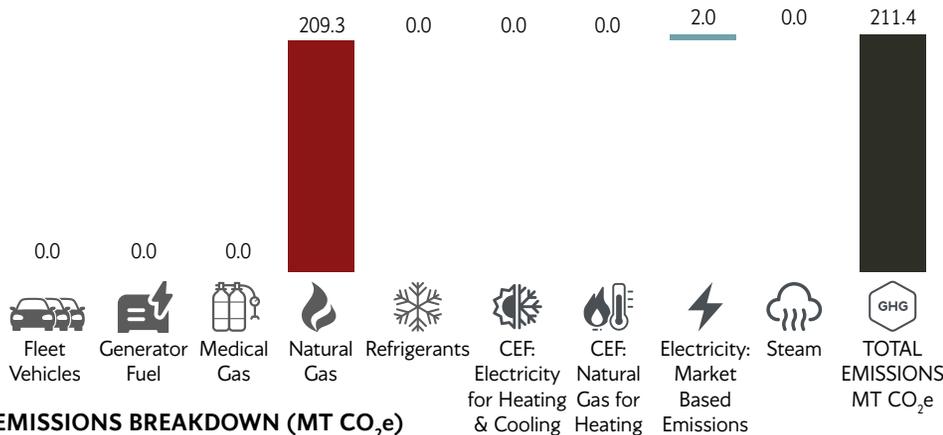
2.04
MT CO₂e
Market Based Emissions



ELECTRICITY FUEL MIX

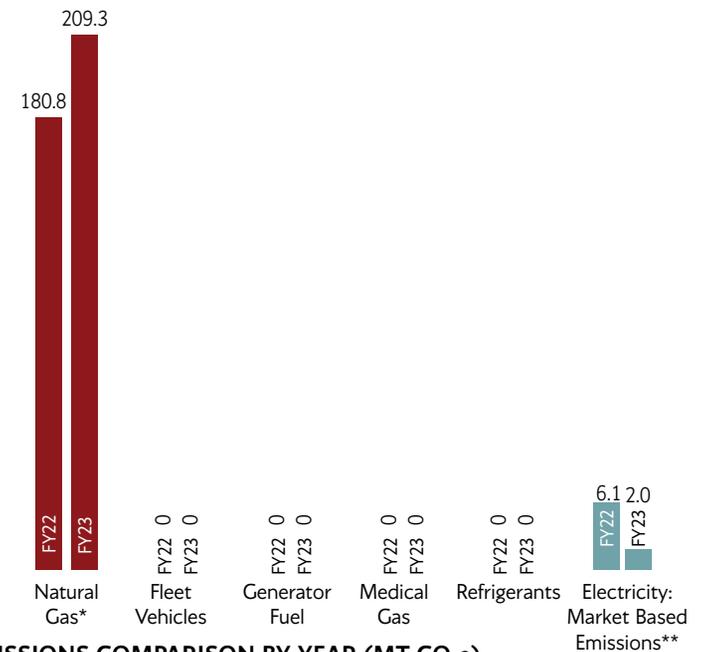
4700 Bohannon Dr. electricity emissions rate is 99% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



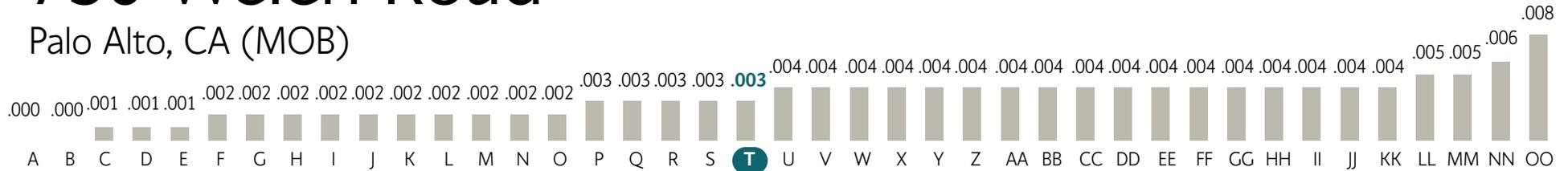
SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas usage increased in FY23.

**Electricity vendor changed from PG&E/SVCE to PG&E/PCE and this caused a decrease in emissions factor from 18 to 6 MT CO₂e.

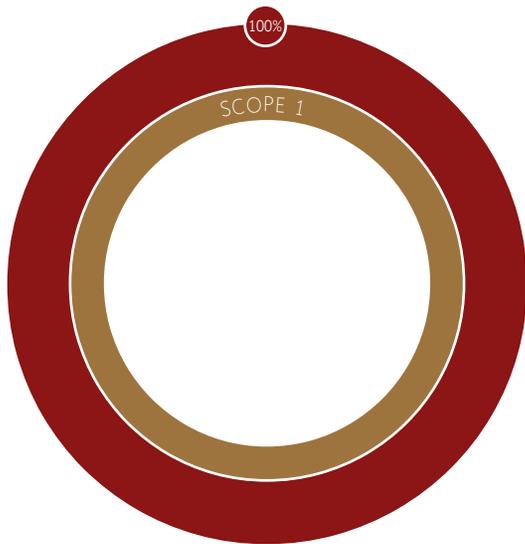
750 Welch Road

Palo Alto, CA (MOB)



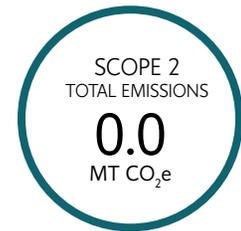
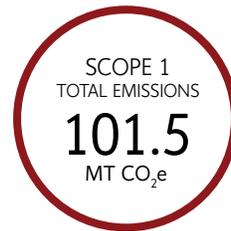
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

750 Welch Rd.



133.31
MT CO₂e
Location Based Emissions

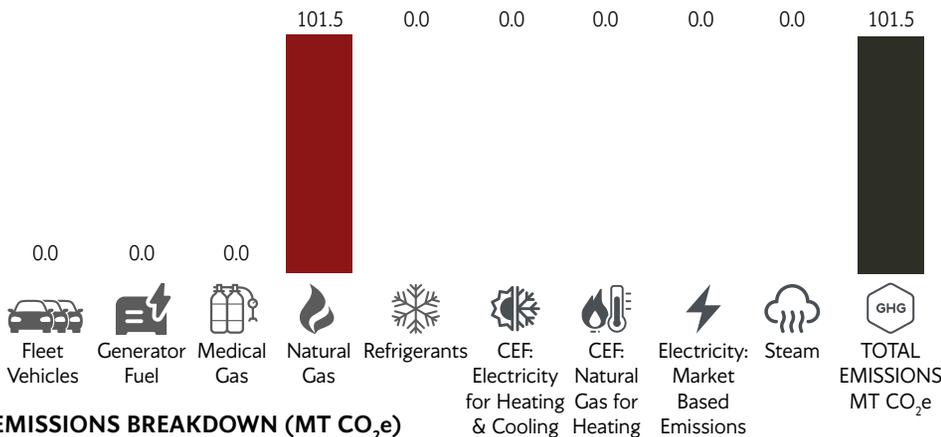
0.0
MT CO₂e
Market Based Emissions



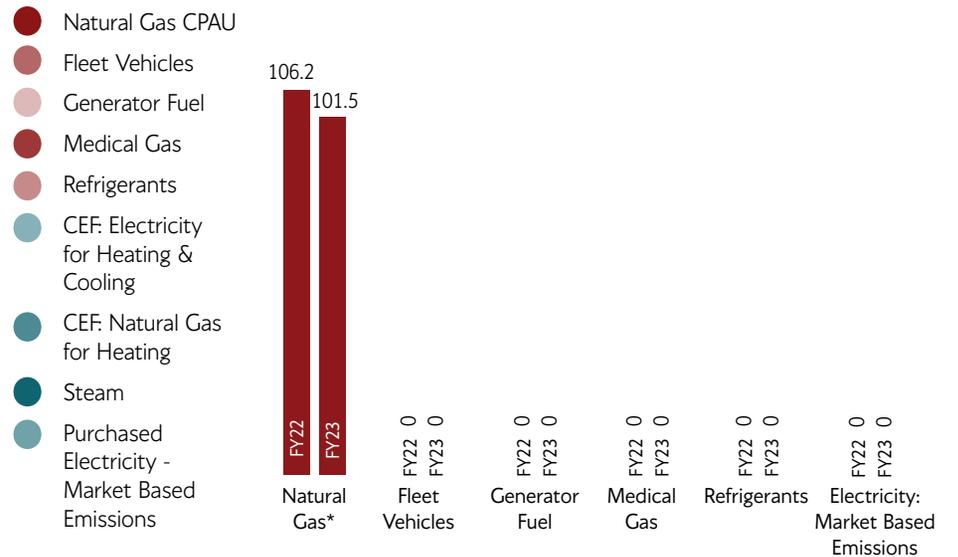
ELECTRICITY FUEL MIX

750 Welch Road electricity emissions rate is 100% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

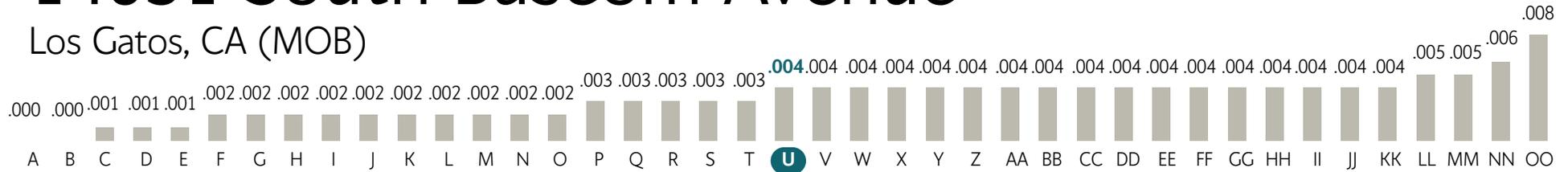


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas usage decreased in FY23.

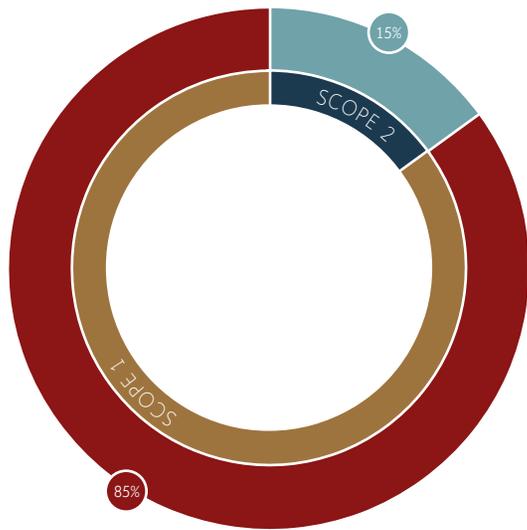
14651 South Bascom Avenue

Los Gatos, CA (MOB)



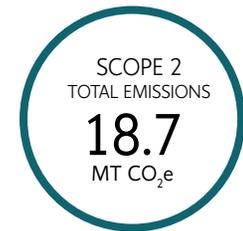
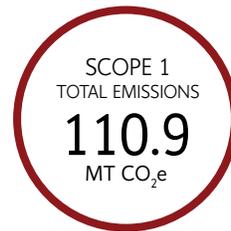
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

14651 S. Bascom Ave.



129.55
MT CO₂e
Location Based Emissions

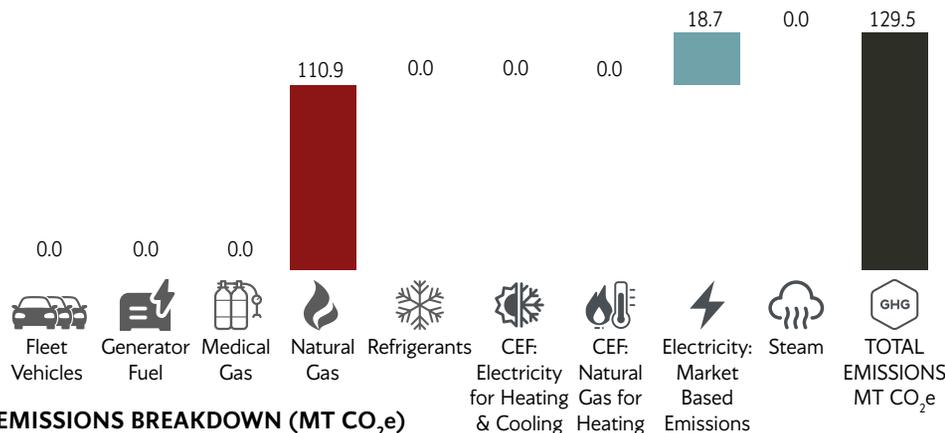
18.68
MT CO₂e
Market Based Emissions



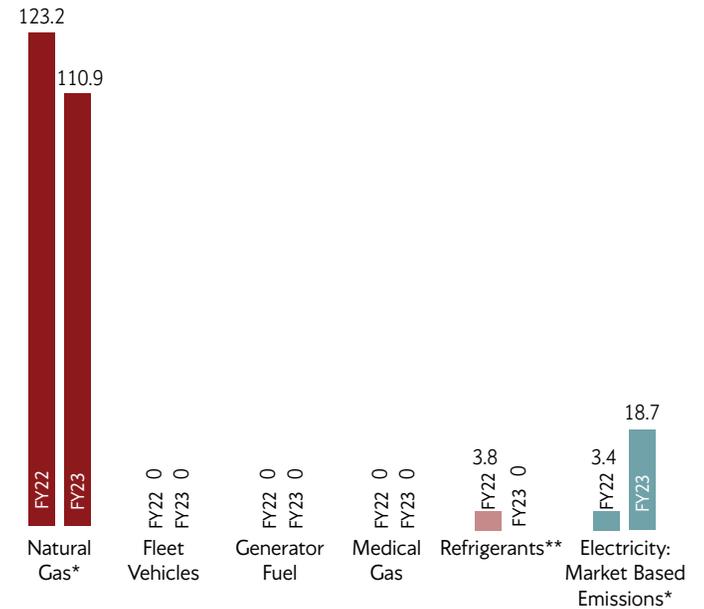
ELECTRICITY FUEL MIX

14651 S. Bascom Avenue electricity emissions rate is 86% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



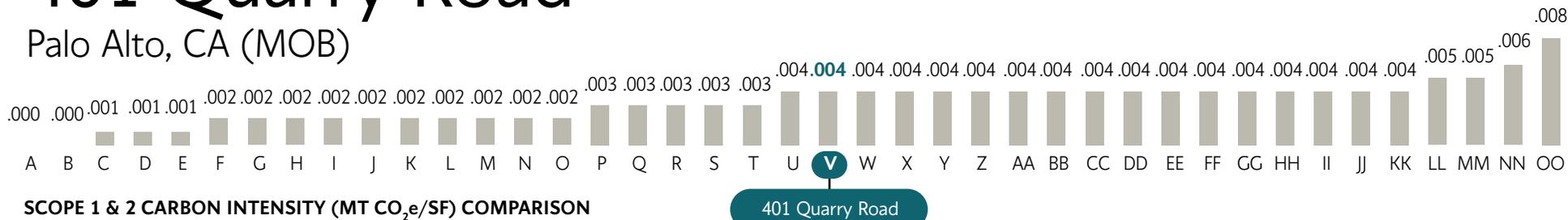
SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas usage decreased in FY23 and PG&E/SVCE emission factor for electricity increased from 18 to 72 MT CO₂e.

**Emissions were estimated using data from other medical office facilities.

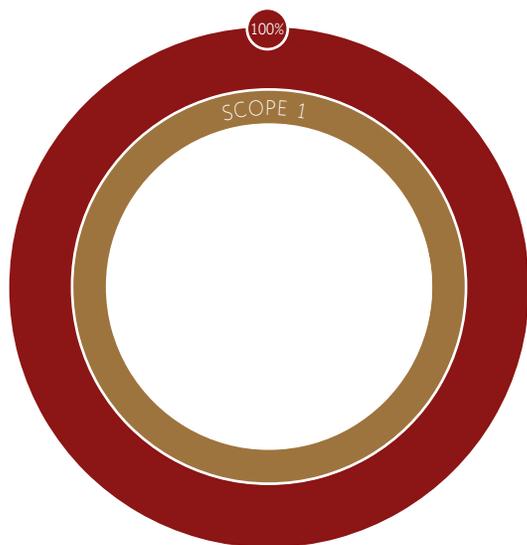
401 Quarry Road

Palo Alto, CA (MOB)



SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

401 Quarry Road



23.95
MT CO₂e
Location Based Emissions

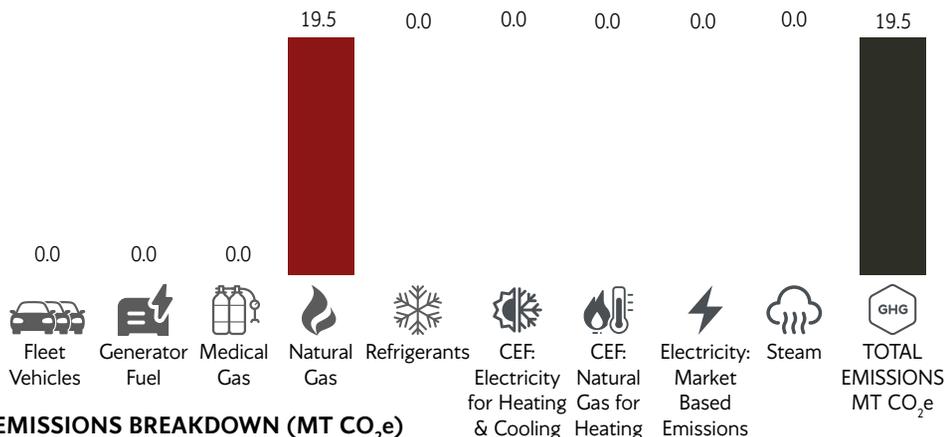
0.0
MT CO₂e
Market Based Emissions



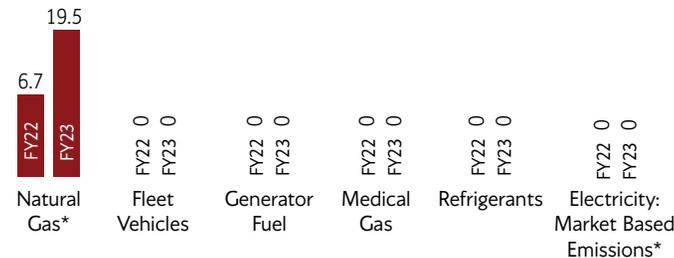
ELECTRICITY FUEL MIX

401 Quarry Road electricity emissions rate is 100% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

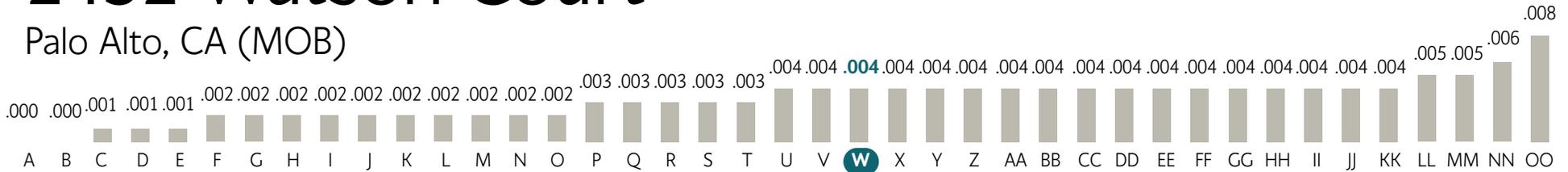


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

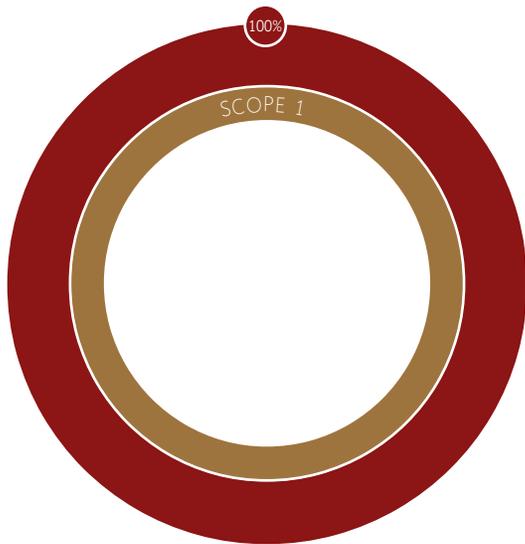
2452 Watson Court

Palo Alto, CA (MOB)



SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

2452 Watson Court

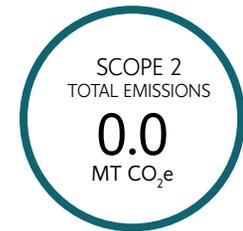
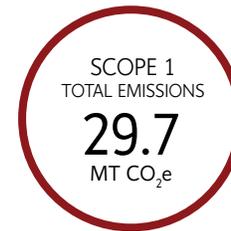


36.49
MT CO₂e
Location Based Emissions

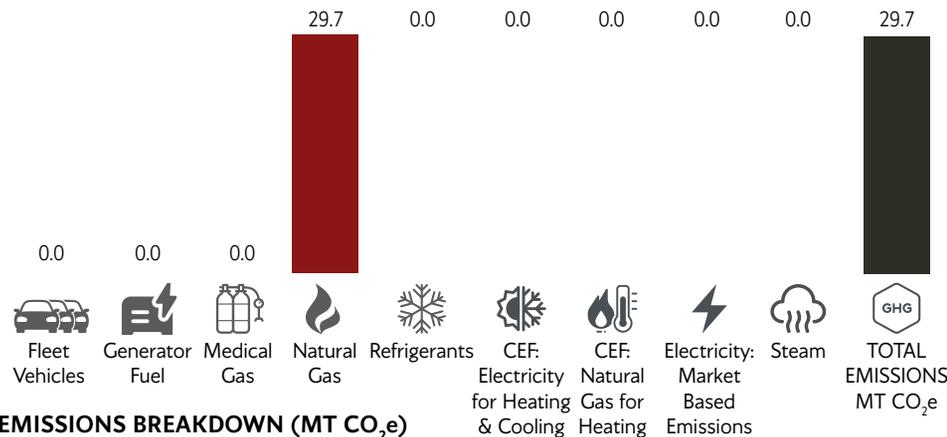
0.0
MT CO₂e
Market Based Emissions

ELECTRICITY FUEL MIX

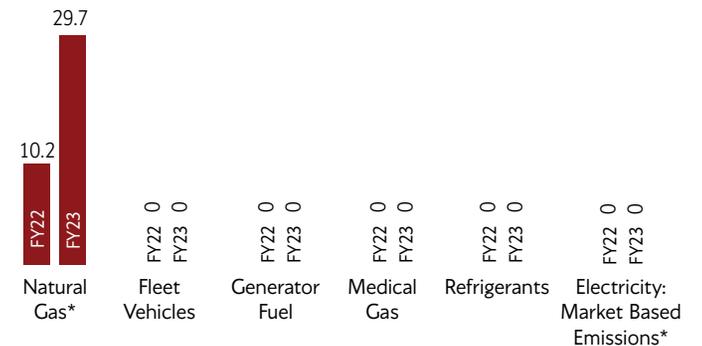
2452 Watson Ct. electricity emissions rate is 100% lower than the regional power mix.



SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



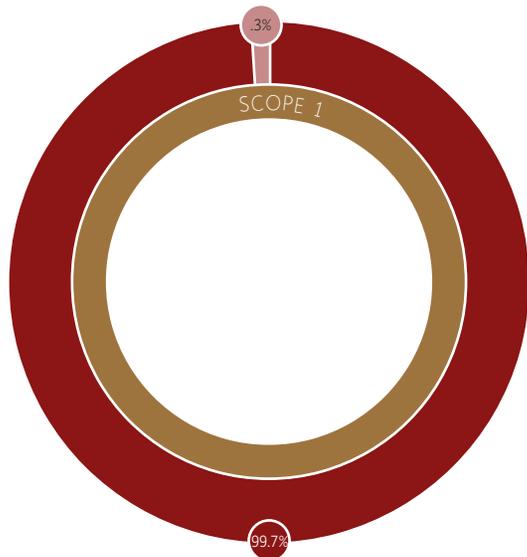
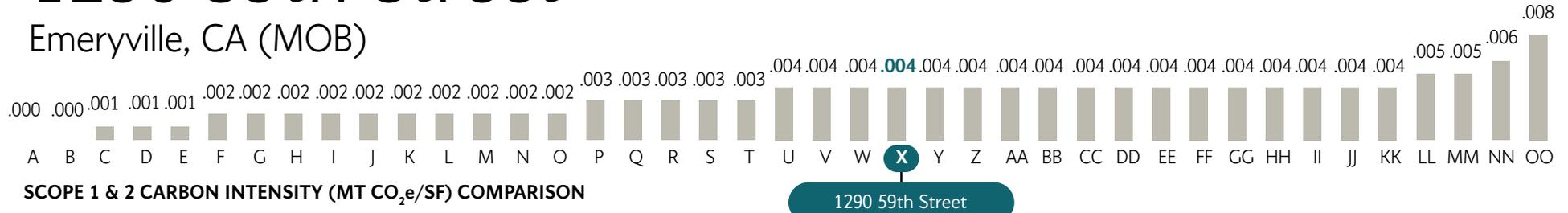
SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

EMISSIONS BREAKDOWN (MT CO₂e)

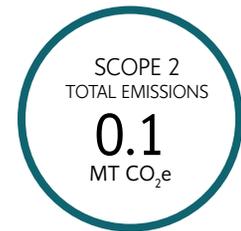
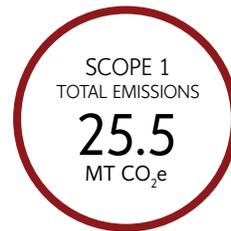
1290 59th Street

Emeryville, CA (MOB)



0.62
MT CO₂e
Location Based Emissions

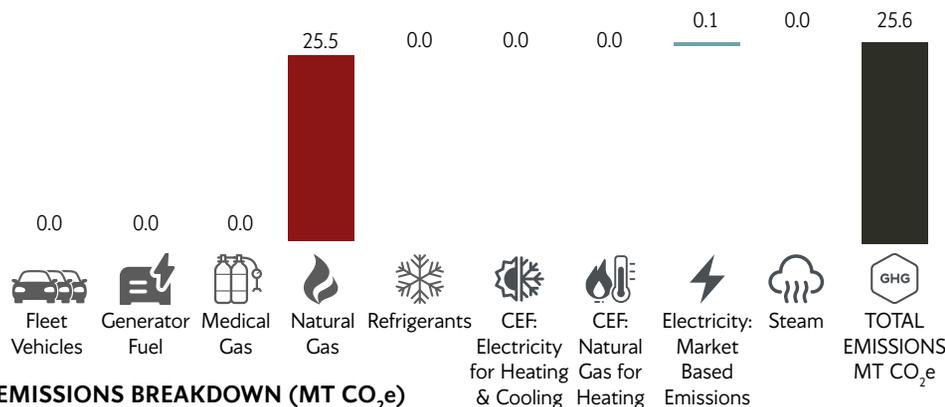
0.07
MT CO₂e
Market Based Emissions



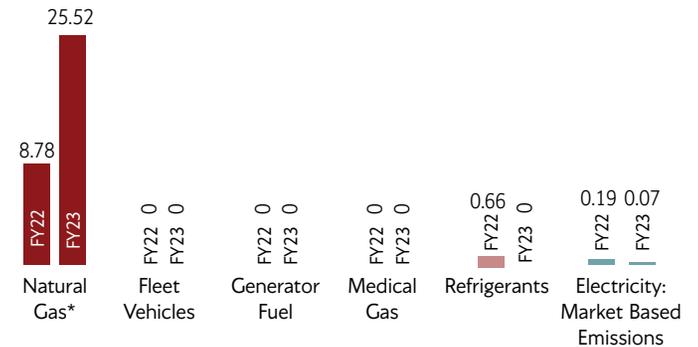
ELECTRICITY FUEL MIX

1290 59th Street electricity emissions rate is 89% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

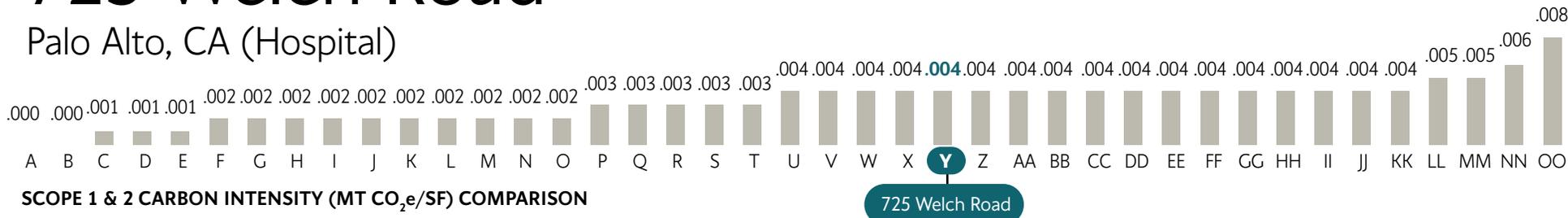


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

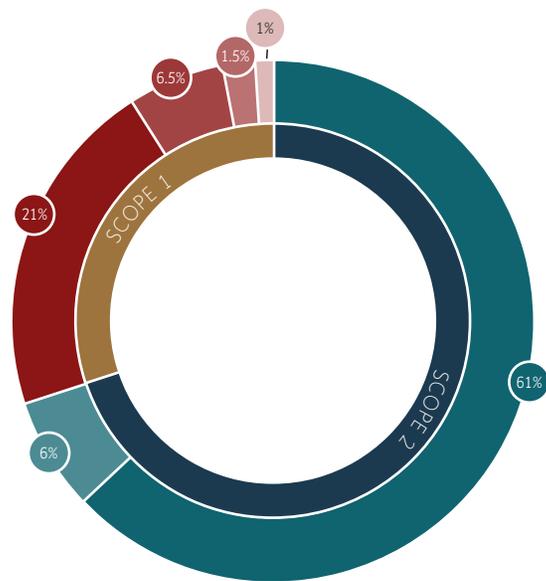
725 Welch Road

Palo Alto, CA (Hospital)



SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

725 Welch Road



6,849
MT CO₂e
Location Based Emissions

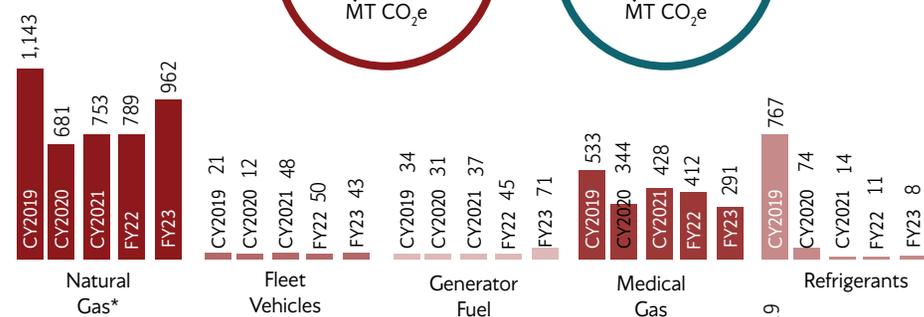
0
MT CO₂e
Market Based Emissions

ELECTRICITY FUEL MIX

725 Welch Road electricity emissions rate is 100% lower than the regional power mix.

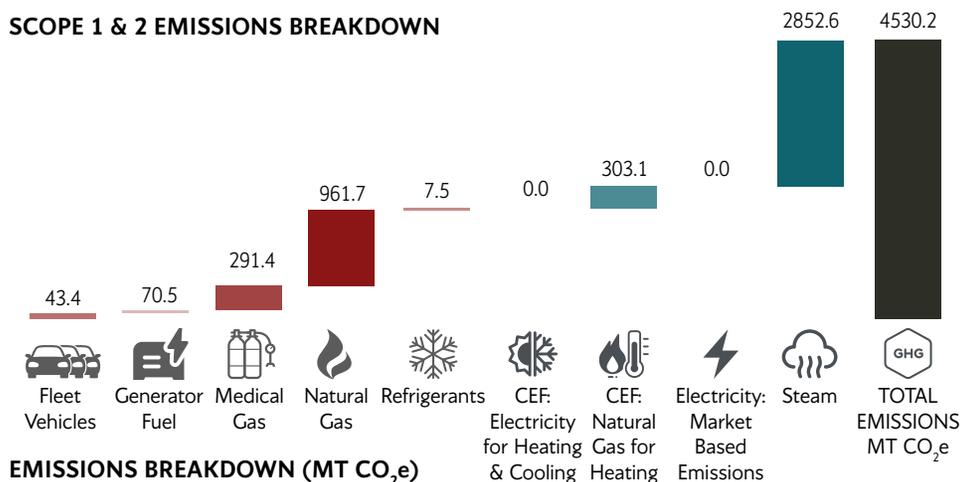
SCOPE 1
TOTAL EMISSIONS
1,374
MT CO₂e

SCOPE 2
TOTAL EMISSIONS
3,156
MT CO₂e

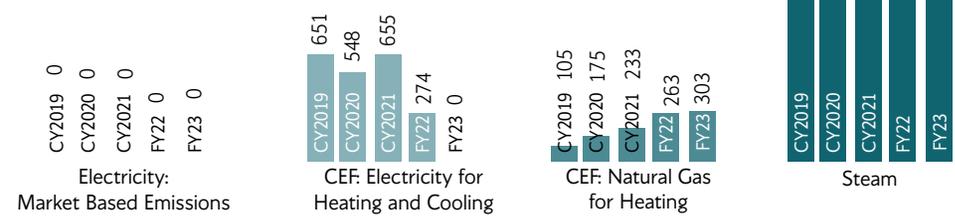


SCOPE 1 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

SCOPE 1 & 2 EMISSIONS BREAKDOWN



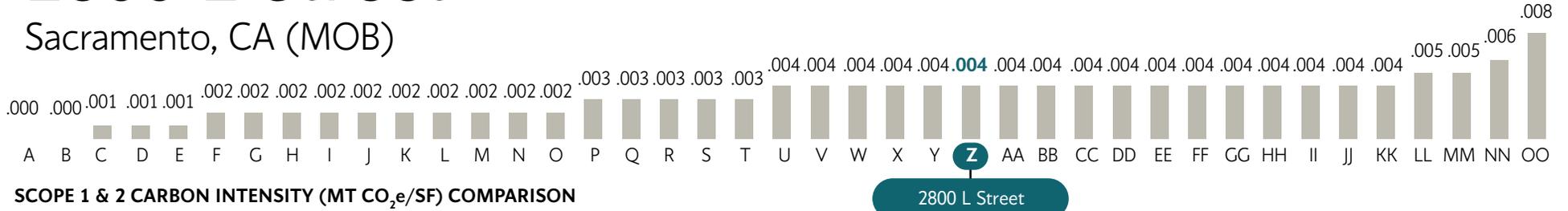
EMISSIONS BREAKDOWN (MT CO₂e)



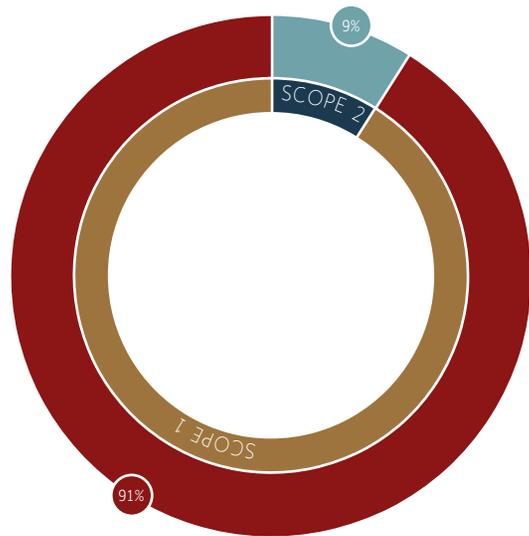
SCOPE 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

2800 L Street

Sacramento, CA (MOB)

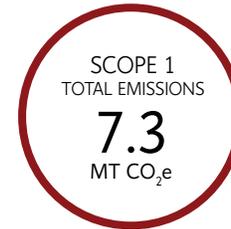


SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON



9
MT CO₂e
Location Based Emissions

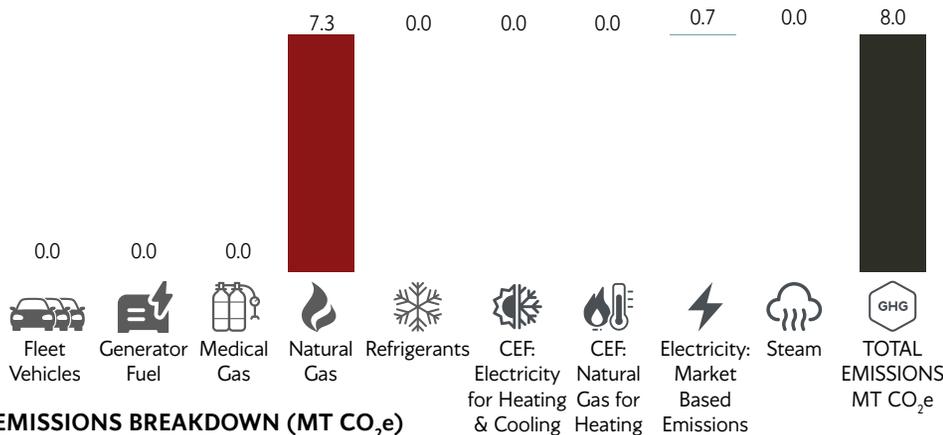
0.69
MT CO₂e
Market Based Emissions



ELECTRICITY FUEL MIX

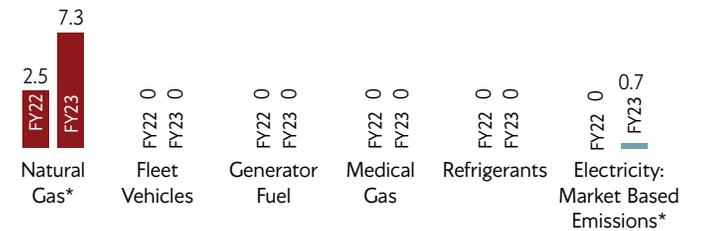
2800 L Street electricity emissions rate is 92% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

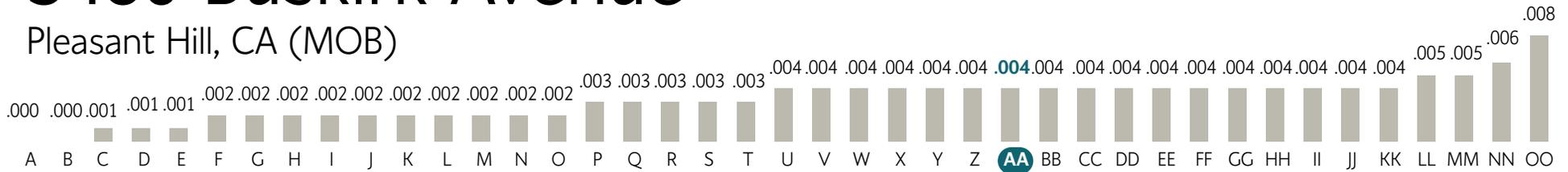


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

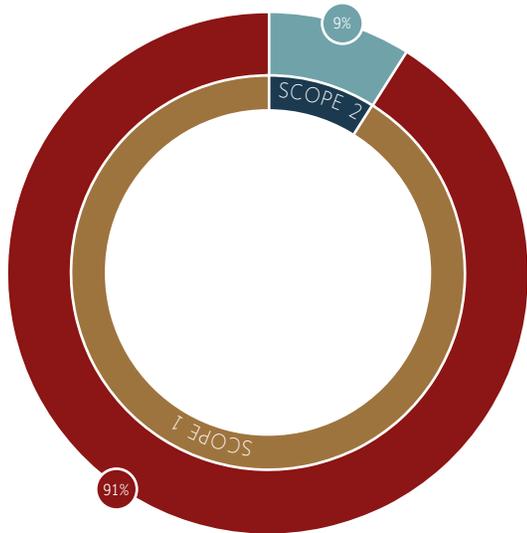
3480 Buskirk Avenue

Pleasant Hill, CA (MOB)



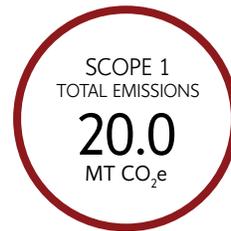
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

3480 Buskirk Ave.



24.6
MT CO₂e
Location Based Emissions

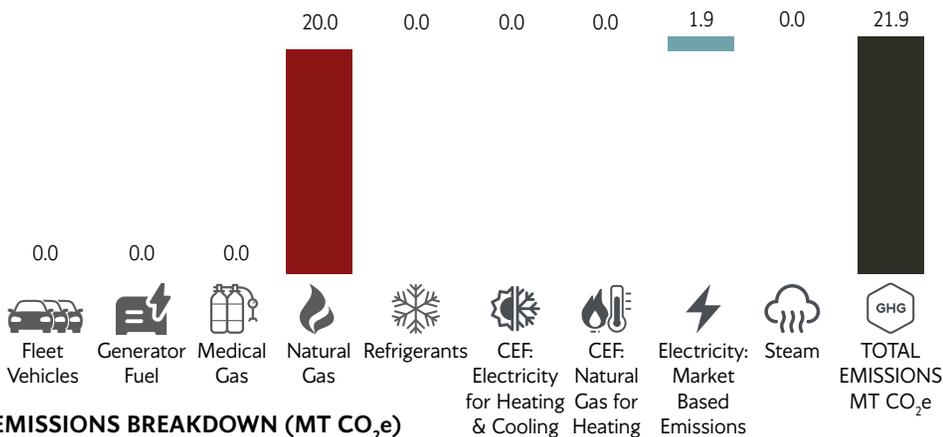
1.90
MT CO₂e
Market Based Emissions



ELECTRICITY FUEL MIX

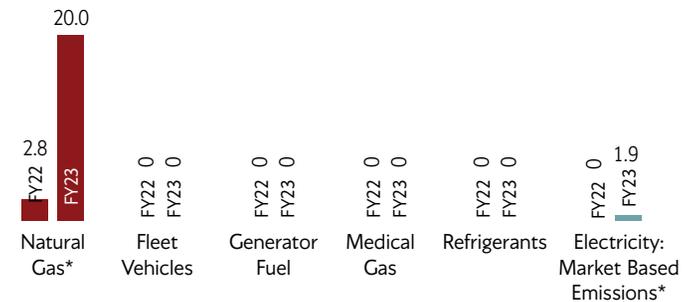
3480 Buskirk Ave. electricity emissions rate is 92% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

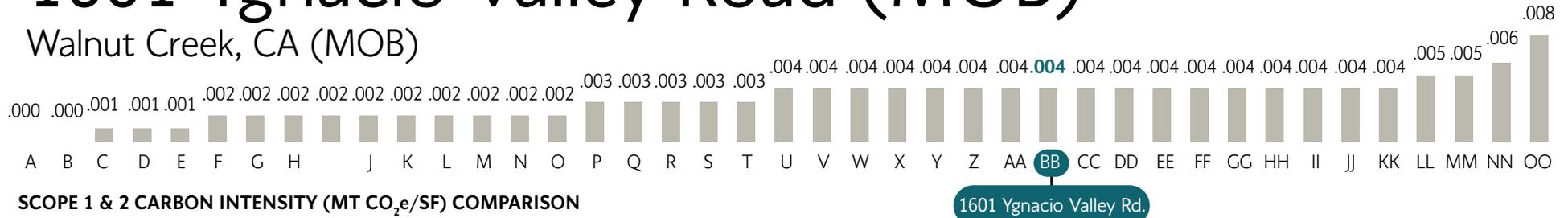


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

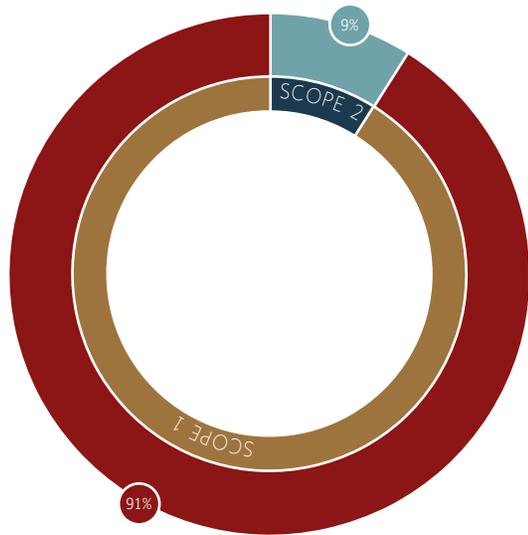
1601 Ygnacio Valley Road (MOB)

Walnut Creek, CA (MOB)



SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

1601 Ygnacio Valley Rd.



6.70
MT CO₂e
Location Based Emissions

0.52
MT CO₂e
Market Based Emissions

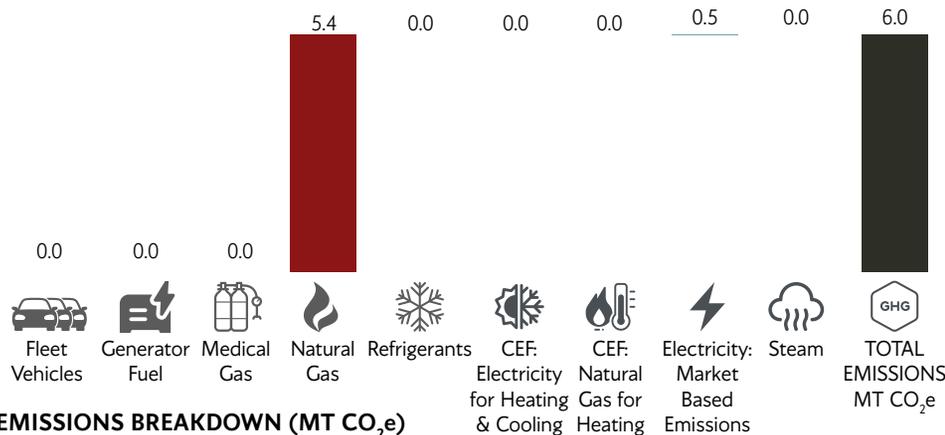


ELECTRICITY FUEL MIX

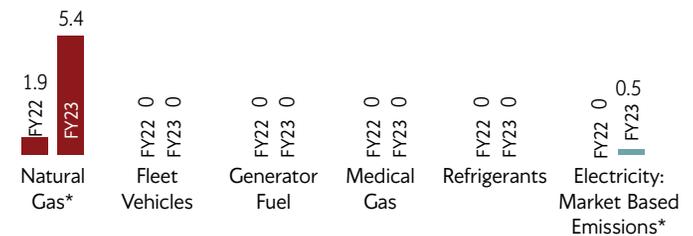
1601 Ygnacio Valley Rd. electricity emissions rate is 92% lower than the regional power mix.

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

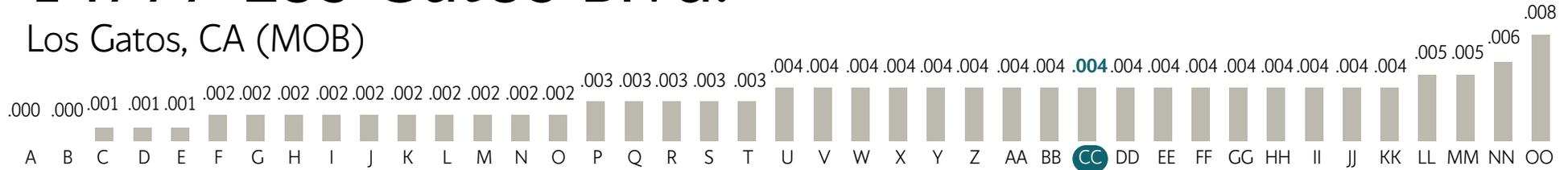


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

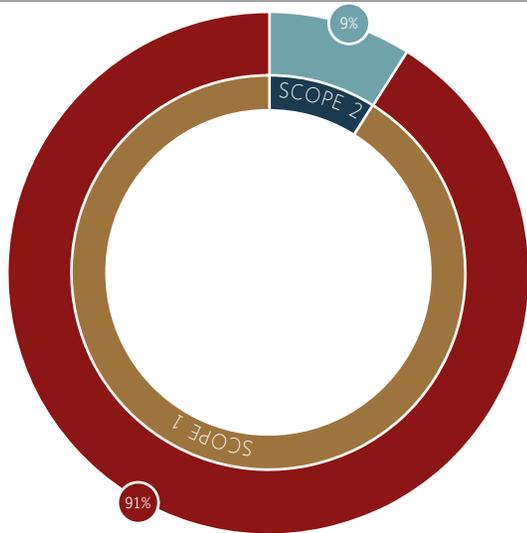
14777 Los Gatos Blvd.

Los Gatos, CA (MOB)



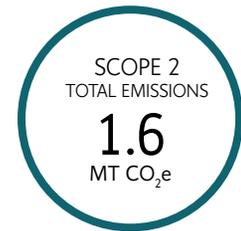
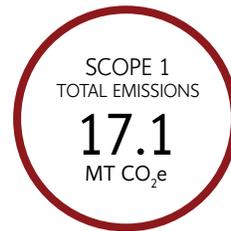
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

14777 Los Gatos Blvd.



21.0
MT CO₂e
Location Based Emissions

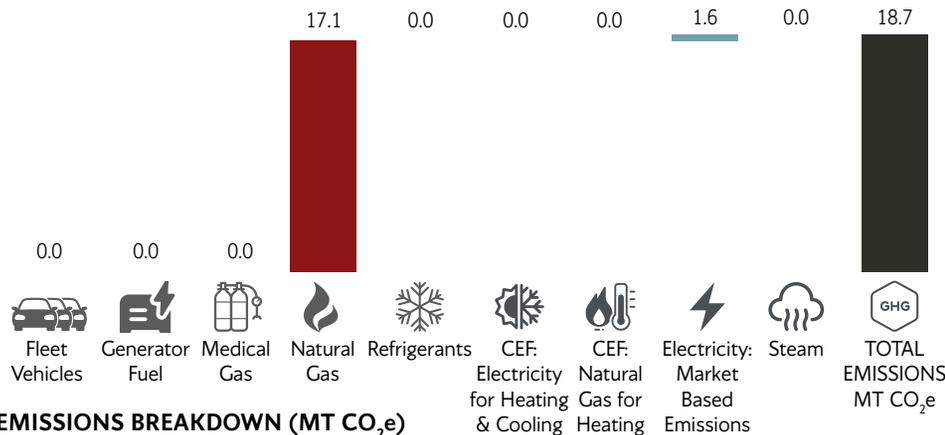
1.62
MT CO₂e
Market Based Emissions



ELECTRICITY FUEL MIX

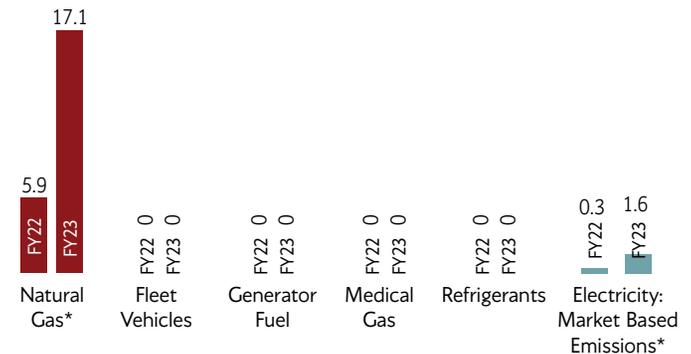
14777 Los Gatos Blvd. electricity emissions rate is 92% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

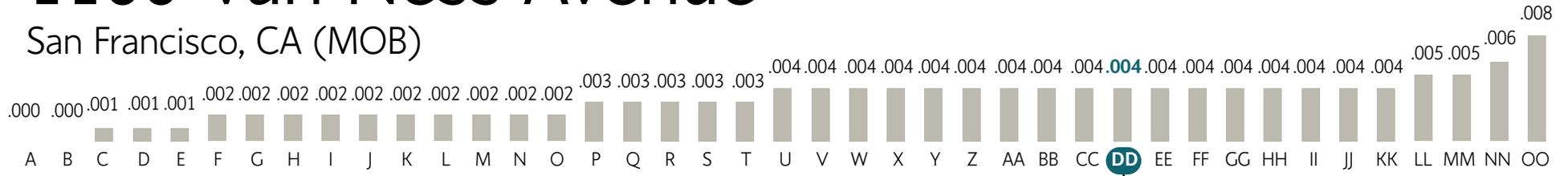


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

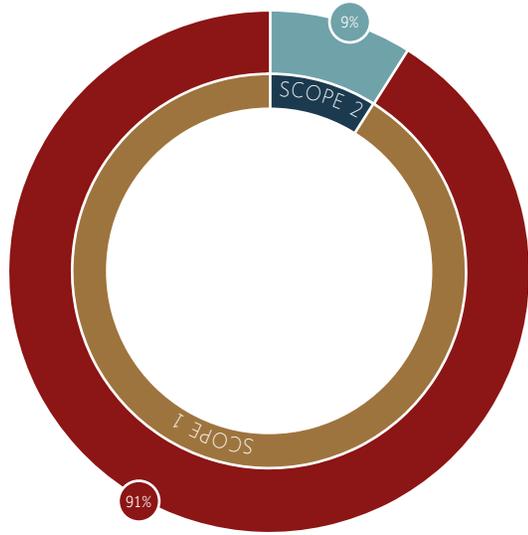
1100 Van Ness Avenue

San Francisco, CA (MOB)



SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

1100 Van Ness Ave.



133.06
MT CO₂e
Location Based Emissions

10.25
MT CO₂e
Market Based Emissions

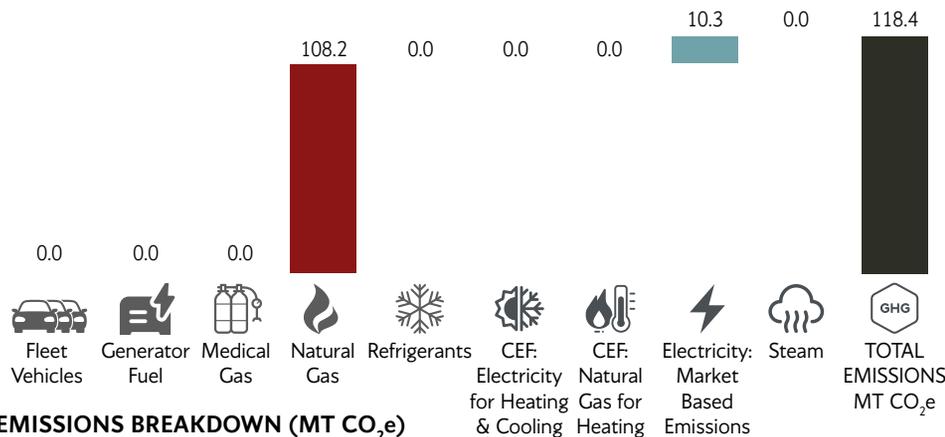
SCOPE 1
TOTAL EMISSIONS
108.2
MT CO₂e

SCOPE 2
TOTAL EMISSIONS
10.3
MT CO₂e

ELECTRICITY FUEL MIX

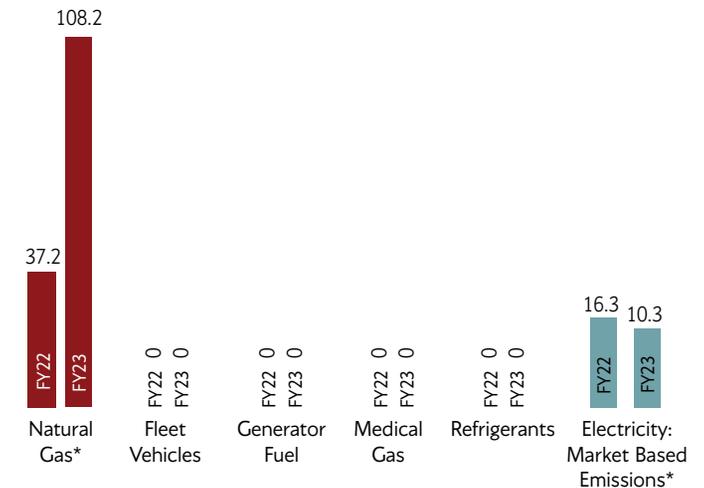
1100 Van Ness Ave. electricity emissions rate is 92% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

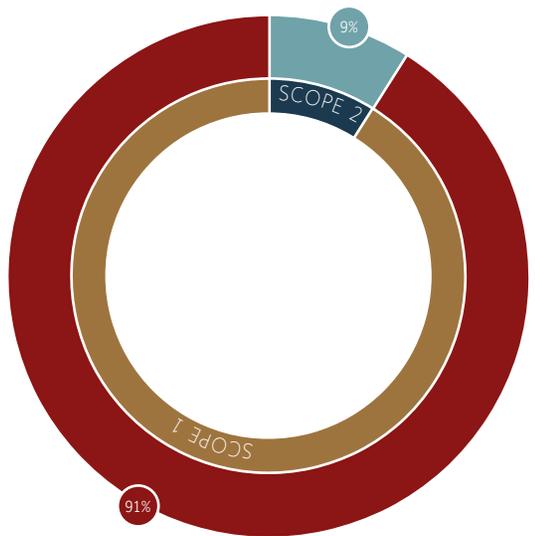
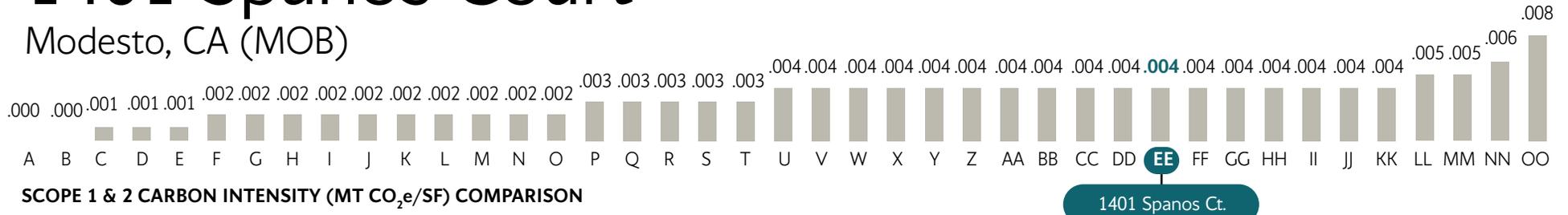


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

1401 Spanos Court

Modesto, CA (MOB)



11.27
MT CO₂e
Location Based Emissions

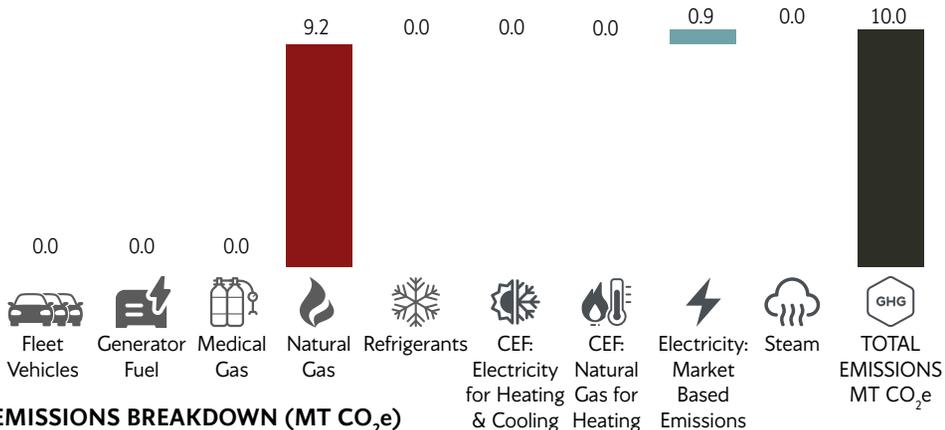
0.87
MT CO₂e
Market Based Emissions

SCOPE 1
TOTAL EMISSIONS
9.2
MT CO₂e

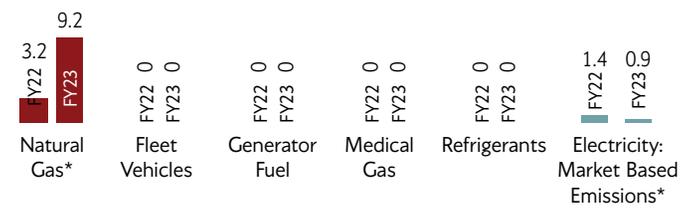
SCOPE 2
TOTAL EMISSIONS
0.9
MT CO₂e

ELECTRICITY FUEL MIX
1404 Spanos Ct. electricity emissions rate is 92% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



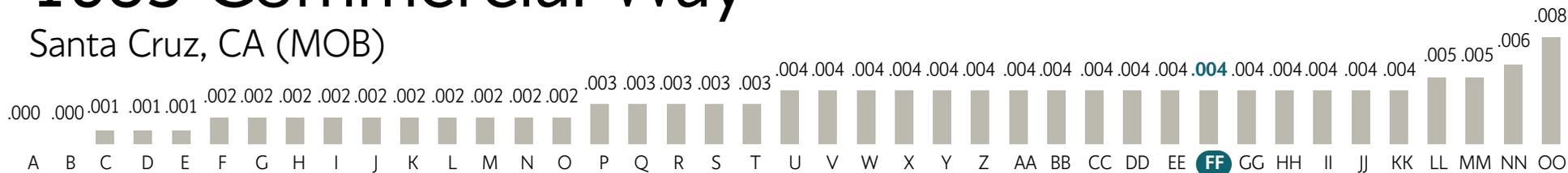
- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)
*Emissions were estimated using data from other medical office facilities.

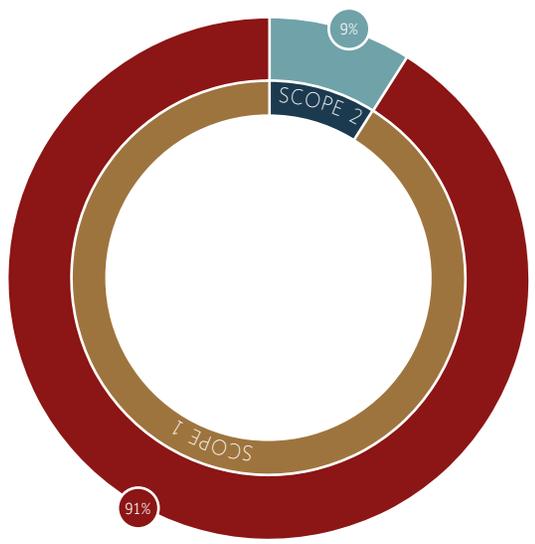
1685 Commercial Way

Santa Cruz, CA (MOB)



SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

1685 Commercial Way



9.25
MT CO₂e
Location Based Emissions

0.71
MT CO₂e
Market Based Emissions

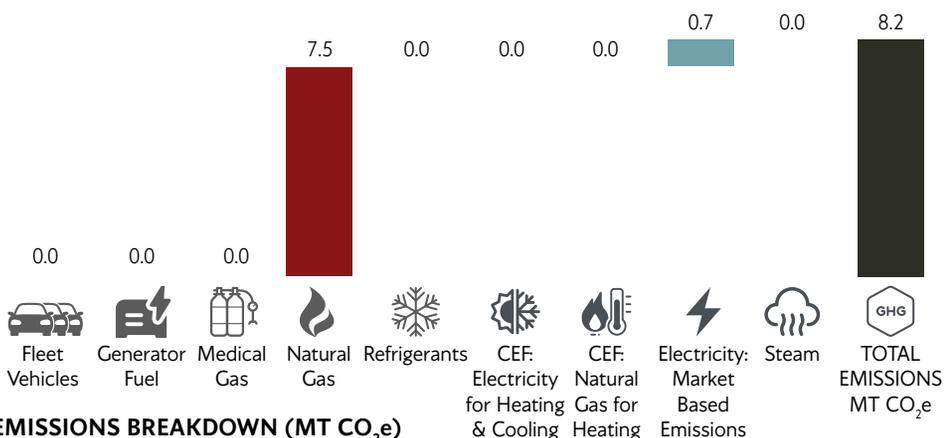
SCOPE 1
TOTAL EMISSIONS
7.5
MT CO₂e

SCOPE 2
TOTAL EMISSIONS
0.7
MT CO₂e

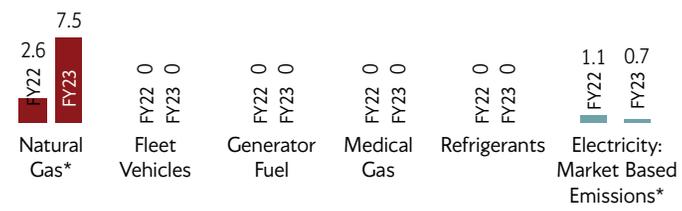
ELECTRICITY FUEL MIX
1685 Commercial Way electricity emissions rate is 92% lower than the regional power mix.

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

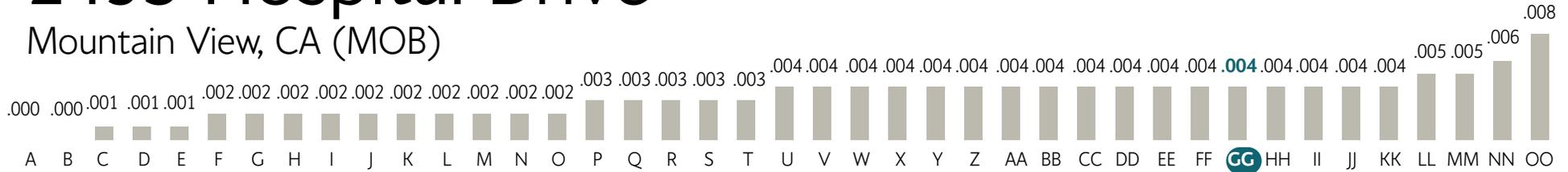


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

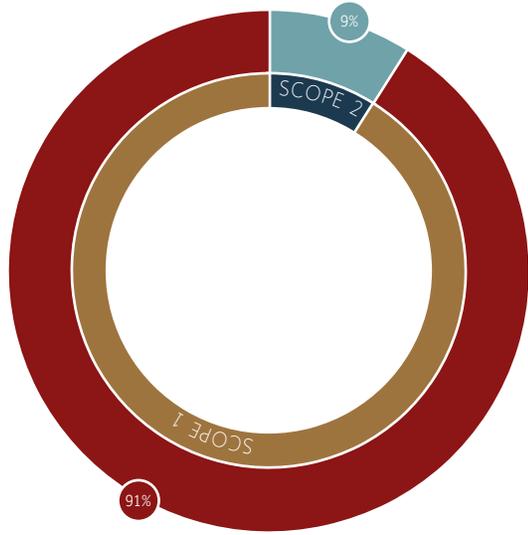
2495 Hospital Drive

Mountain View, CA (MOB)



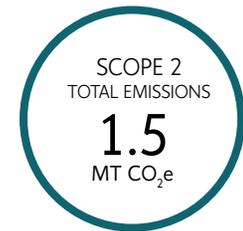
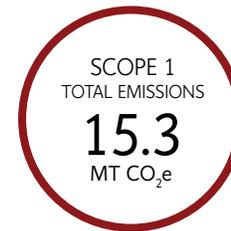
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

2495 Hospital Drive



18.82 MT CO₂e
Location Based Emissions

1.45 MT CO₂e
Market Based Emissions

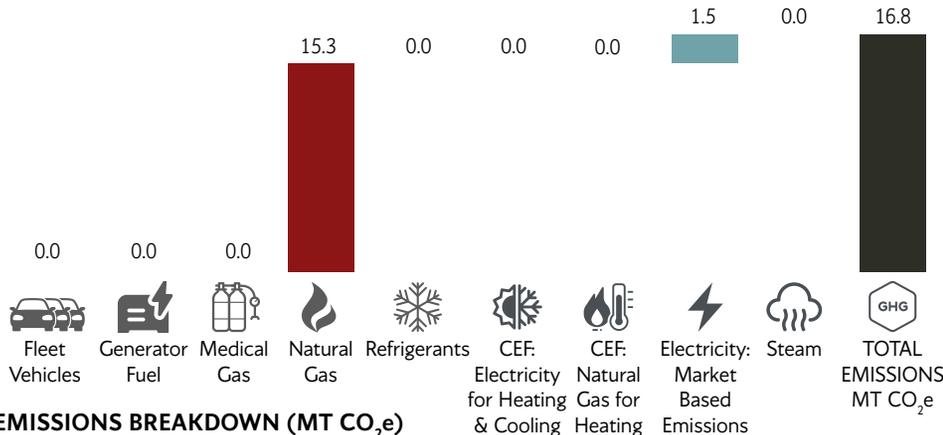


ELECTRICITY FUEL MIX

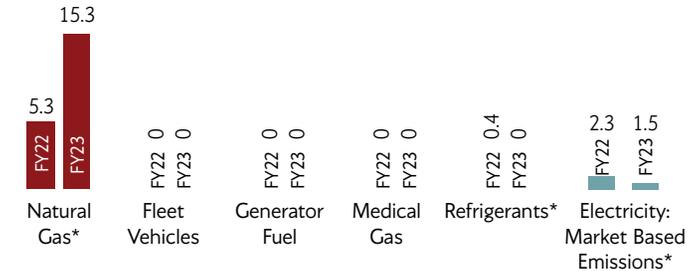
2495 Hospital Dr. electricity emissions rate is 92% lower than the regional power mix.

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

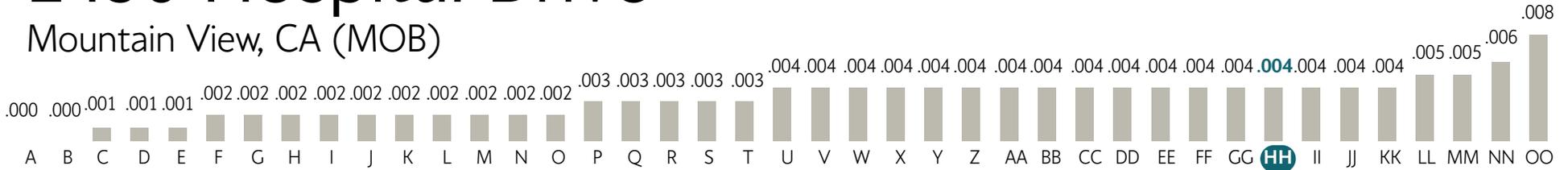


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

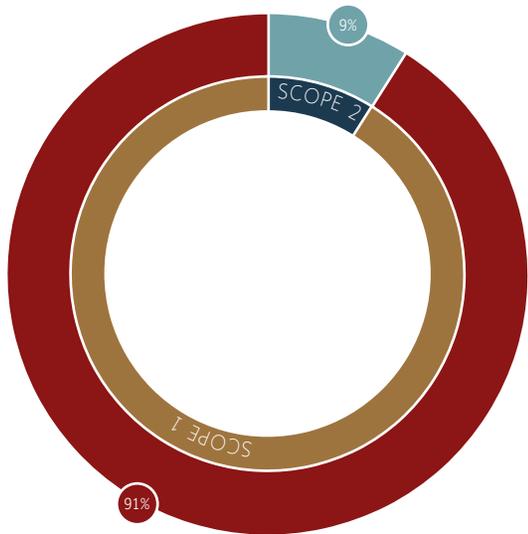
2490 Hospital Drive

Mountain View, CA (MOB)



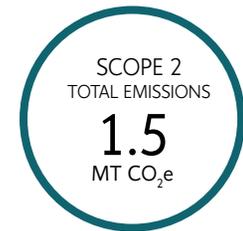
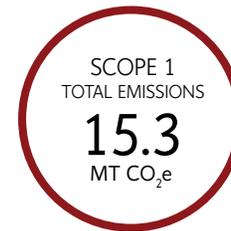
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

2490 Hospital Drive



18.82
MT CO₂e
Location Based Emissions

1.45
MT CO₂e
Market Based Emissions

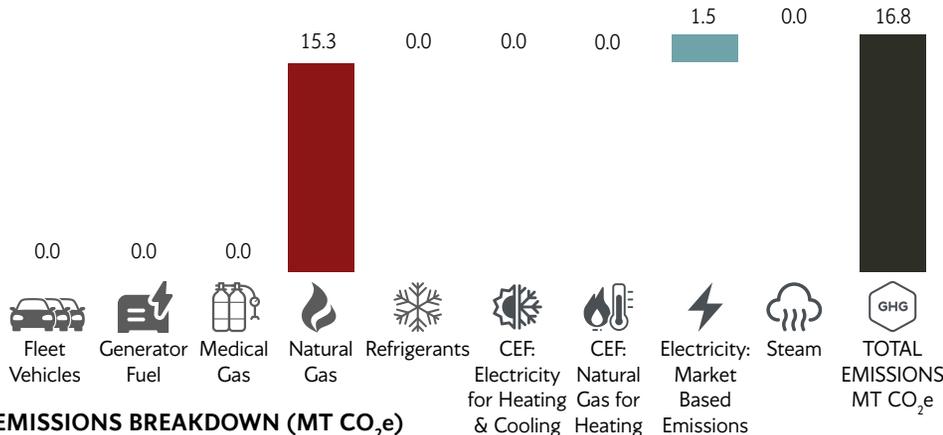


ELECTRICITY FUEL MIX

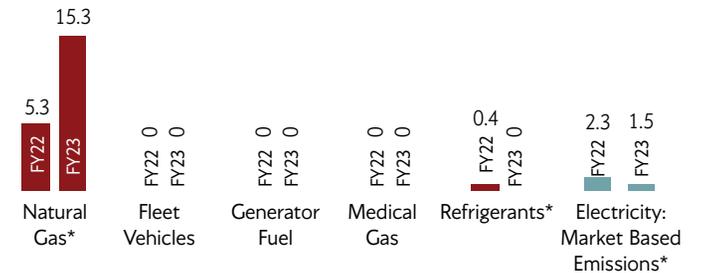
2490 Hospital Dr. electricity emissions rate is 92% lower than the regional power mix.

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

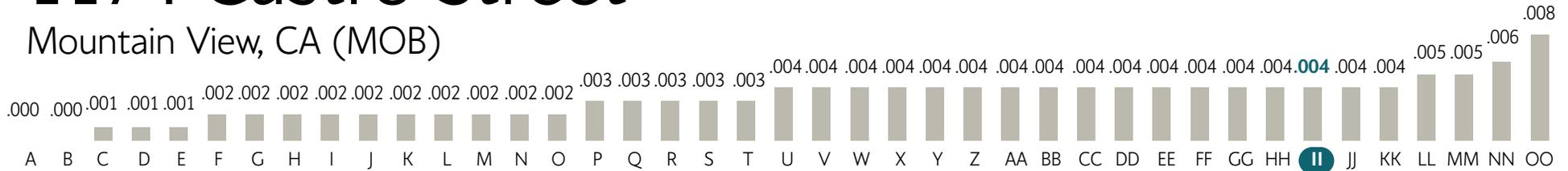


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

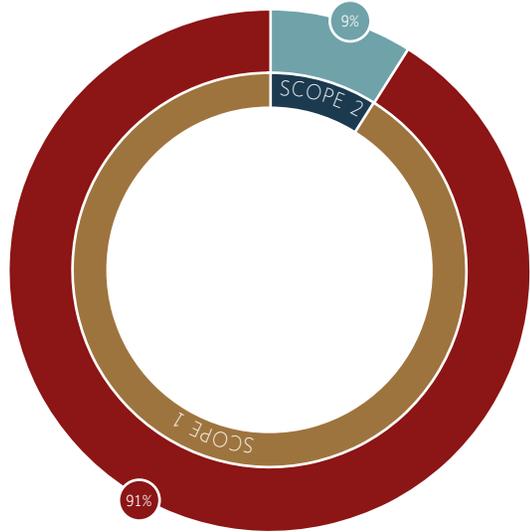
1174 Castro Street

Mountain View, CA (MOB)



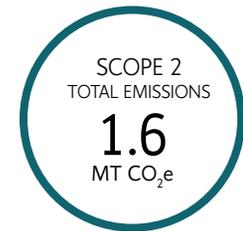
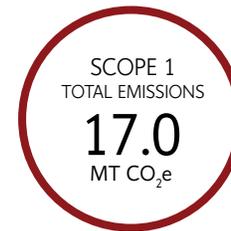
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

1174 Castro Street



20.88
MT CO₂e
Location Based Emissions

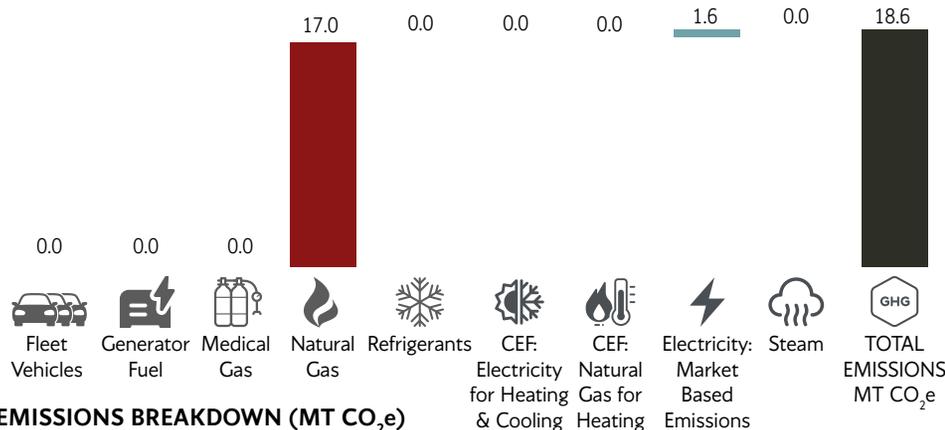
1.61
MT CO₂e
Market Based Emissions



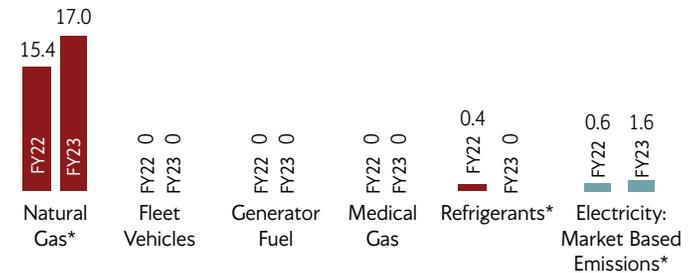
ELECTRICITY FUEL MIX

1174 Castro Street electricity emissions rate is 92% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

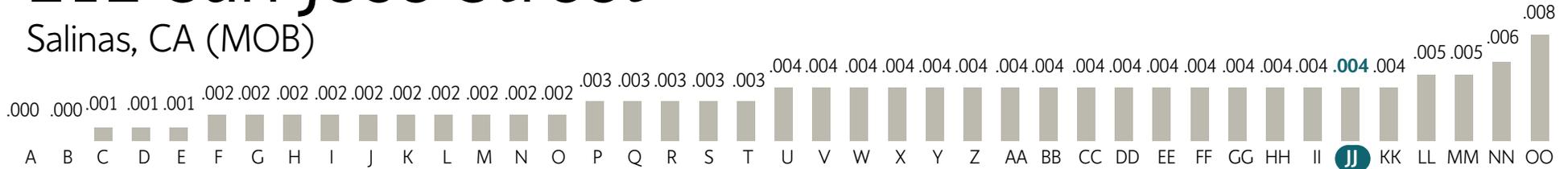


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

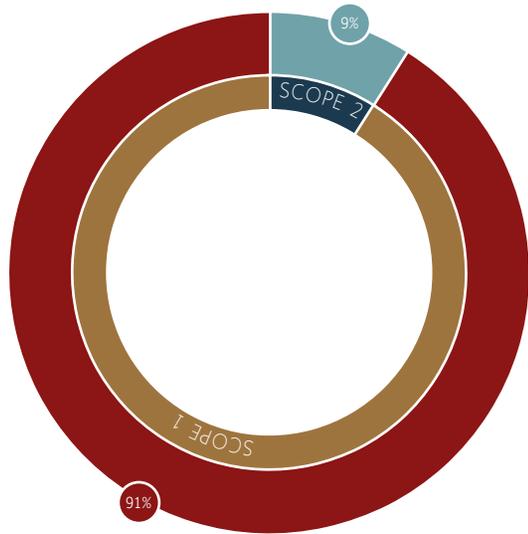
212 San Jose Street

Salinas, CA (MOB)



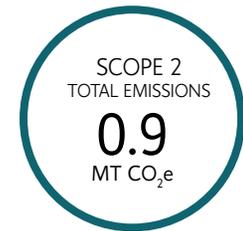
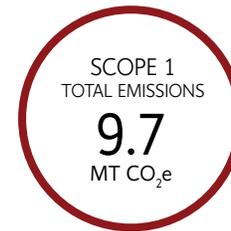
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

212 San Jose Street



11.98
MT CO₂e
Location Based Emissions

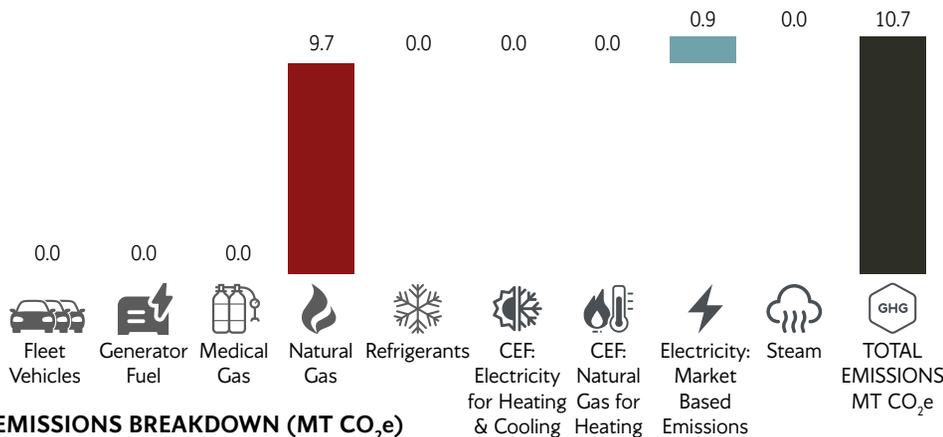
0.92
MT CO₂e
Market Based Emissions



ELECTRICITY FUEL MIX

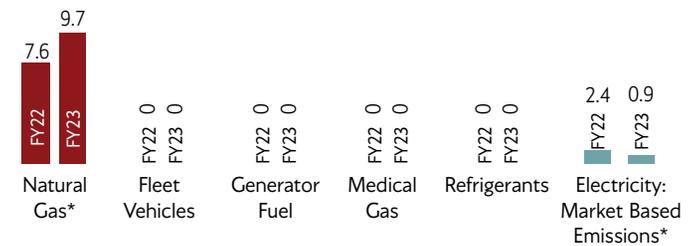
212 San Jose St. electricity emissions rate is 92% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

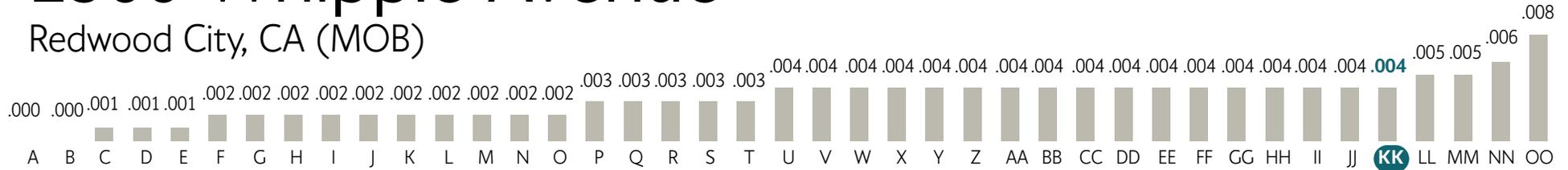


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

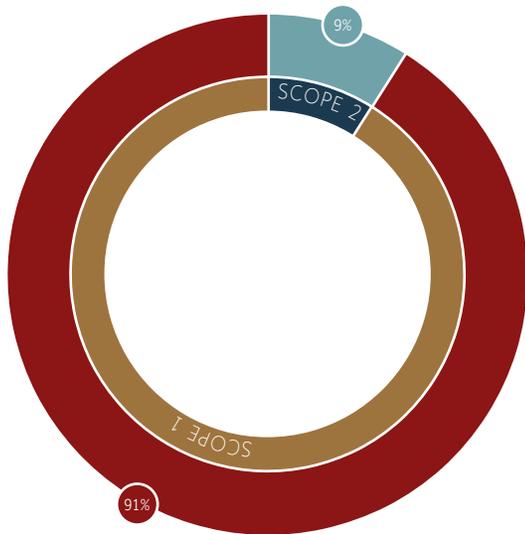
2900 Whipple Avenue

Redwood City, CA (MOB)



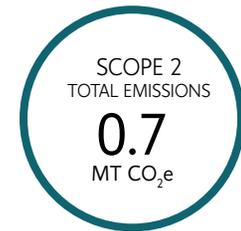
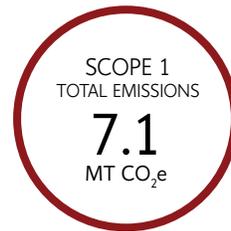
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

2900 Whipple Ave.



8.68
MT CO₂e
Location Based Emissions

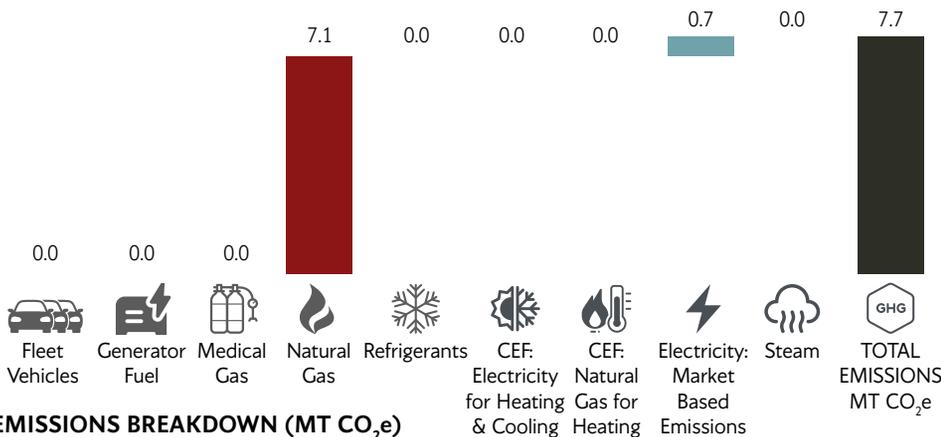
0.67
MT CO₂e
Market Based Emissions



ELECTRICITY FUEL MIX

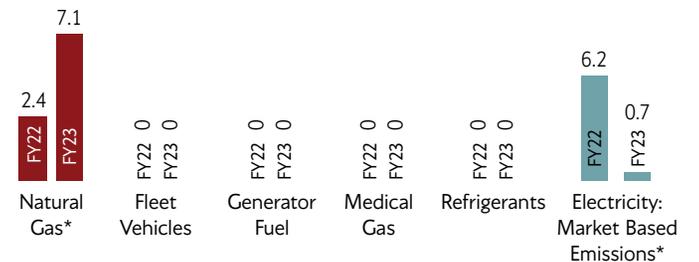
2900 Whipple Ave. electricity emissions rate is 92% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



EMISSIONS BREAKDOWN (MT CO₂e)

- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions

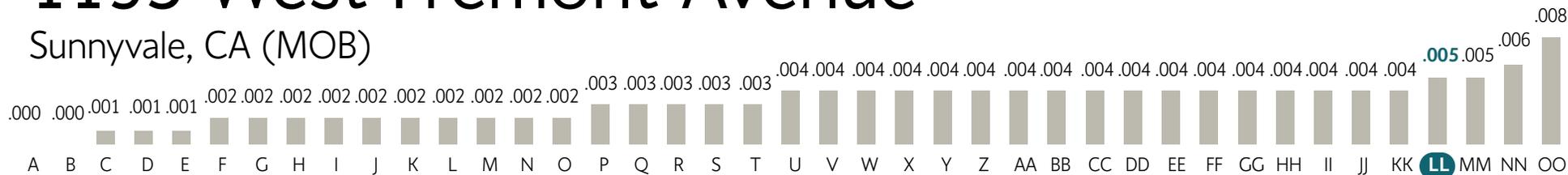


SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

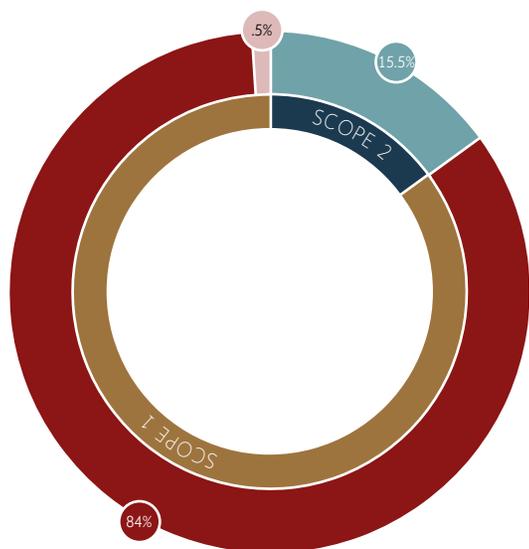
1195 West Fremont Avenue

Sunnyvale, CA (MOB)



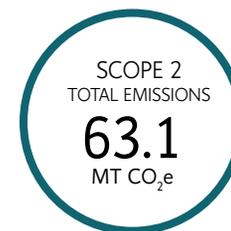
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

1195 W. Fremont Ave.



437.72
MT CO₂e
Location Based Emissions

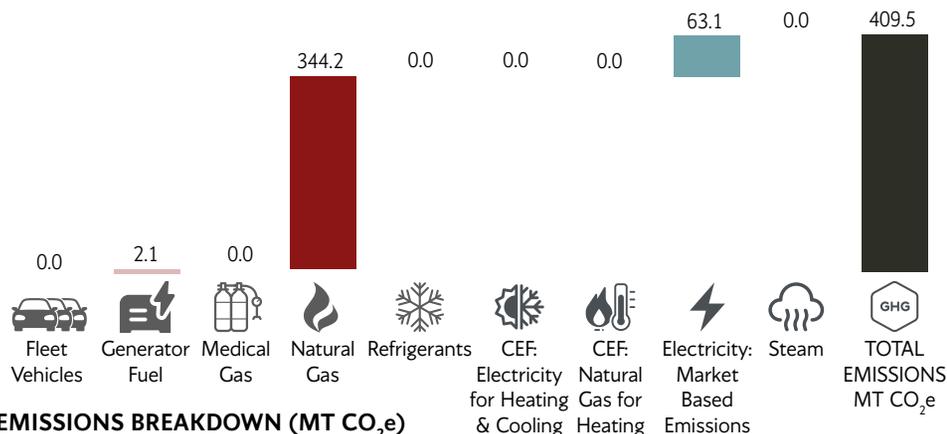
63.10
MT CO₂e
Market Based Emissions



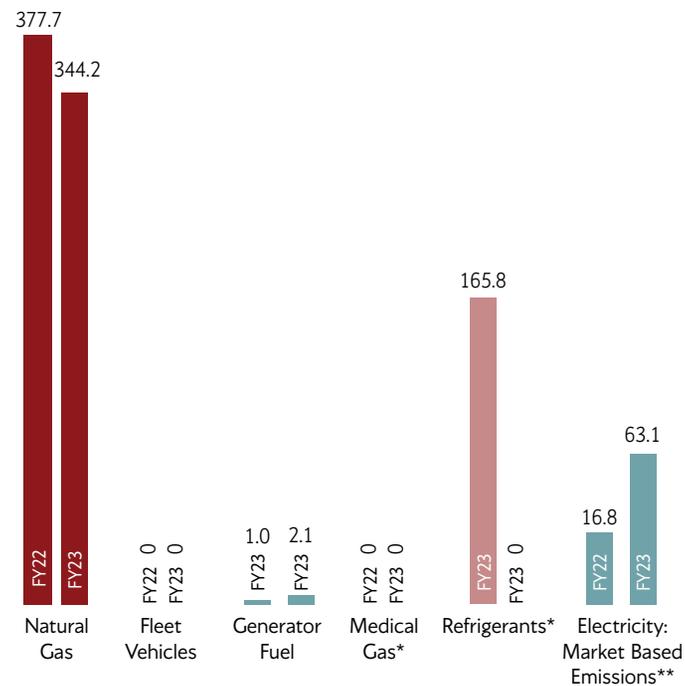
ELECTRICITY FUEL MIX

1195 West Fremont Avenue electricity emissions rate is 86% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



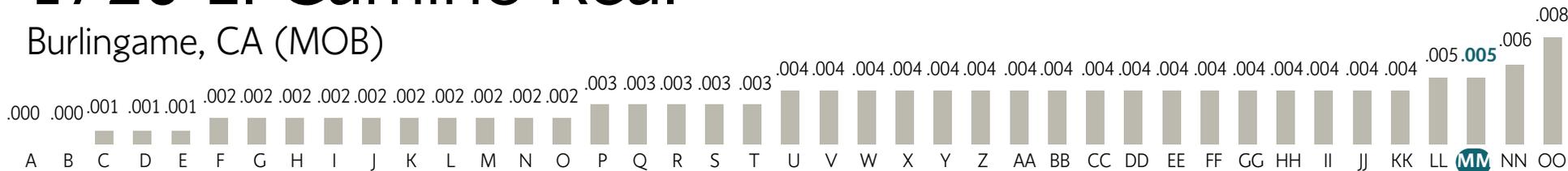
SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Emissions were estimated using data from other medical office facilities.

**PG&E/SVCE emission factor for electricity increased from 18 to 72 MT CO₂e.

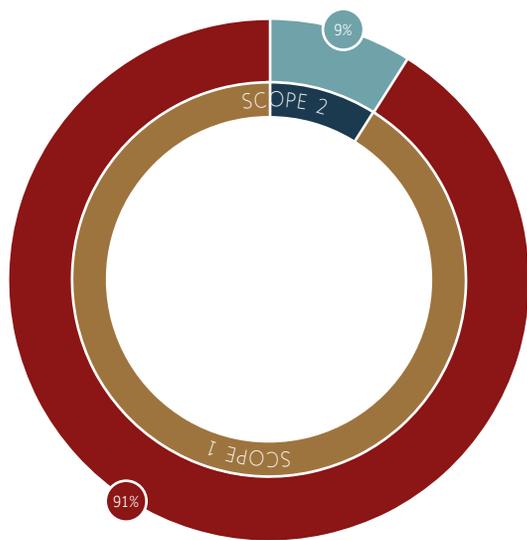
1720 El Camino Real

Burlingame, CA (MOB)



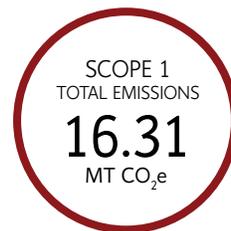
SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

1720 El Camino Real



14.89 MT CO₂e
Location Based Emissions

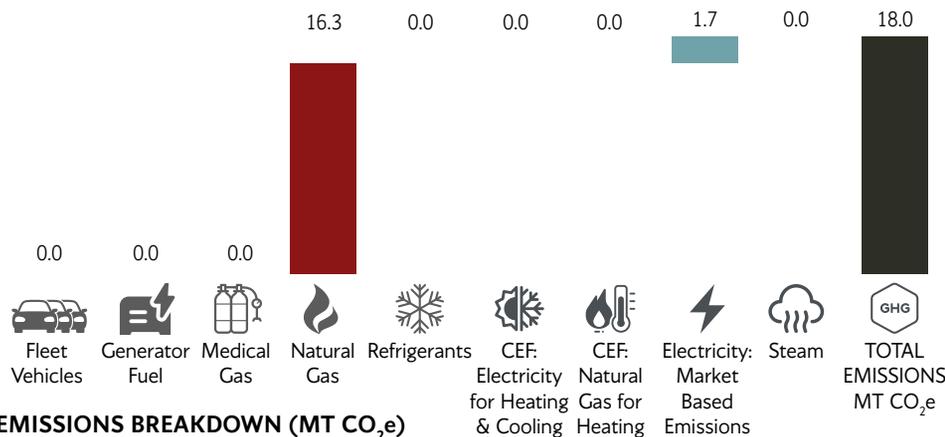
1.67 MT CO₂e
Market Based Emissions



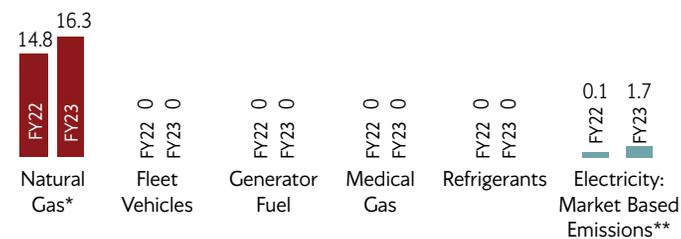
ELECTRICITY FUEL MIX

1720 El Camino Real electricity emissions rate is 89% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



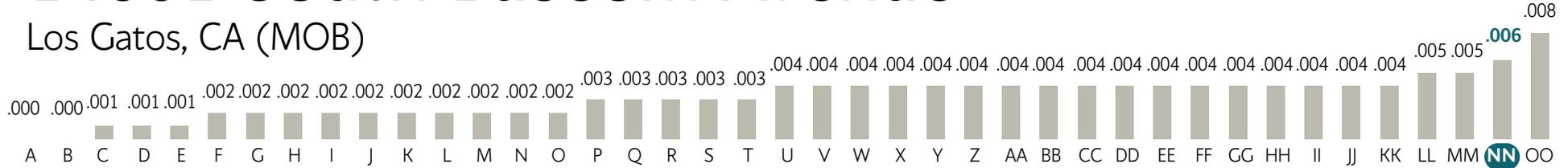
SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas usage increased.

**Electricity vendor changed from PG&E/PCE to PG&E and this caused an increase in emission factor from 5 to 56 MTCO₂e.

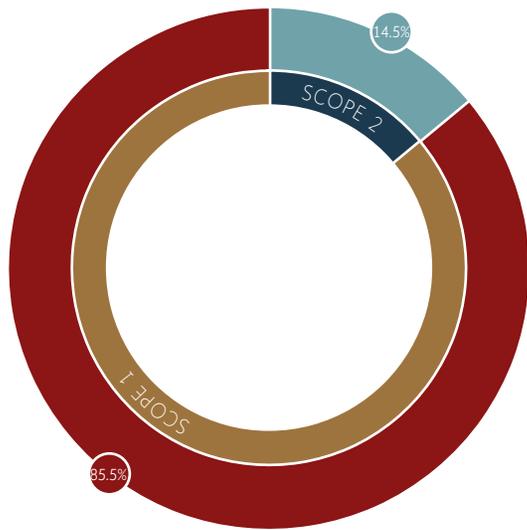
14601 South Bascom Avenue

Los Gatos, CA (MOB)



SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON

14601 S. Bascom Ave.



46.35
MT CO₂e
Location Based Emissions

6.68
MT CO₂e
Market Based Emissions

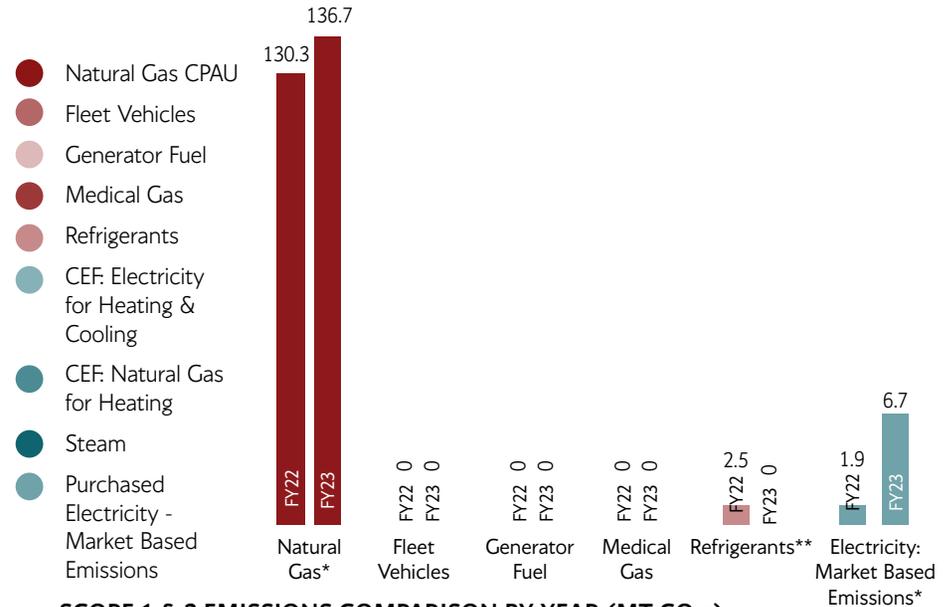
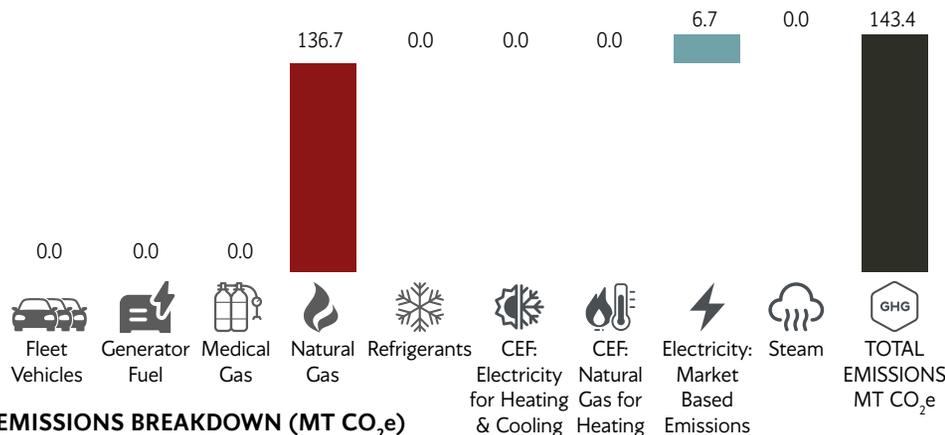
SCOPE 1
TOTAL EMISSIONS
136.7
MT CO₂e

SCOPE 2
TOTAL EMISSIONS
6.7
MT CO₂e

ELECTRICITY FUEL MIX

14601 S. Bascom Avenue electricity emissions rate is 86% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



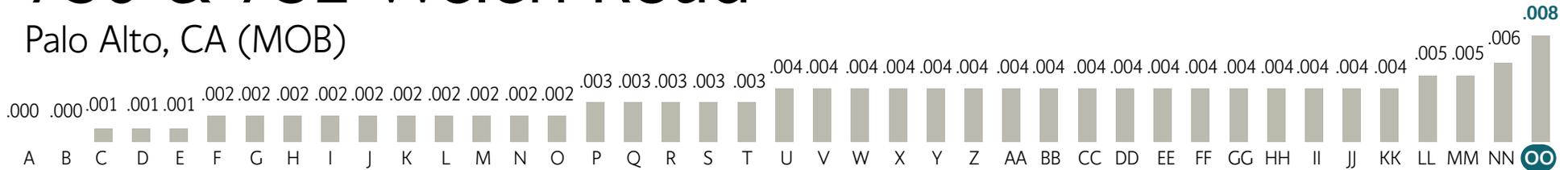
SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas usage increased and PG&E/SVCE emission factor for electricity increased from 18 to 72 MT CO₂e.

**Emissions were estimated using data from other medical office facilities.

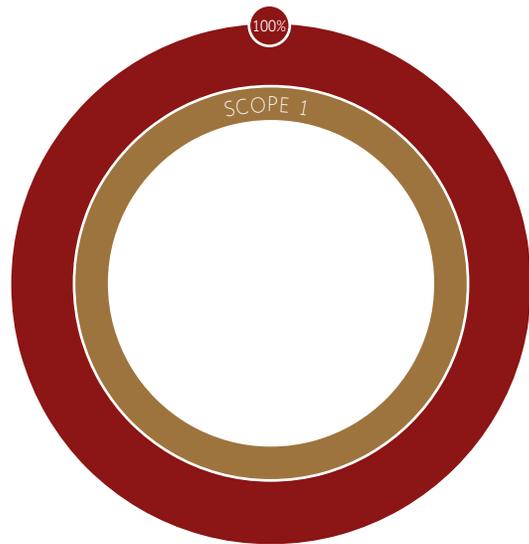
730 & 732 Welch Road

Palo Alto, CA (MOB)



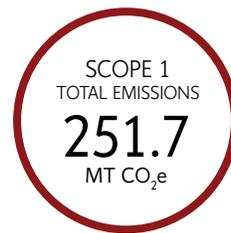
730 & 732 Welch Rd.

SCOPE 1 & 2 CARBON INTENSITY (MT CO₂e/SF) COMPARISON



251.65
MT CO₂e
Location Based Emissions

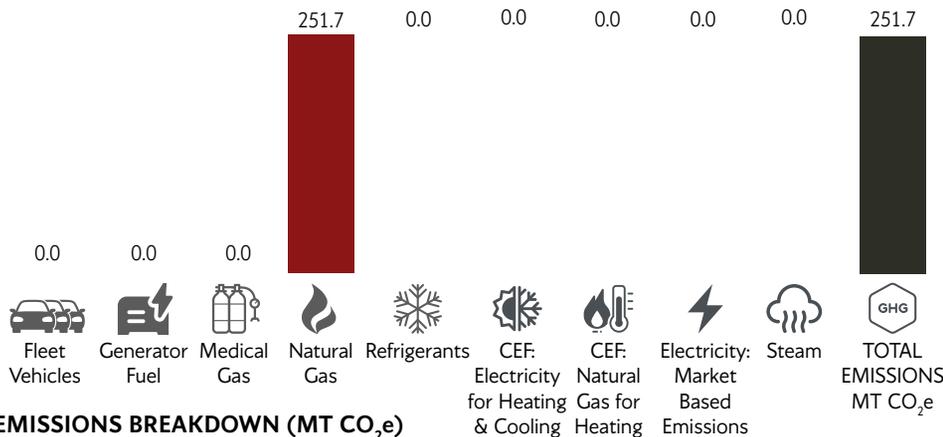
0.0
MT CO₂e
Market Based Emissions



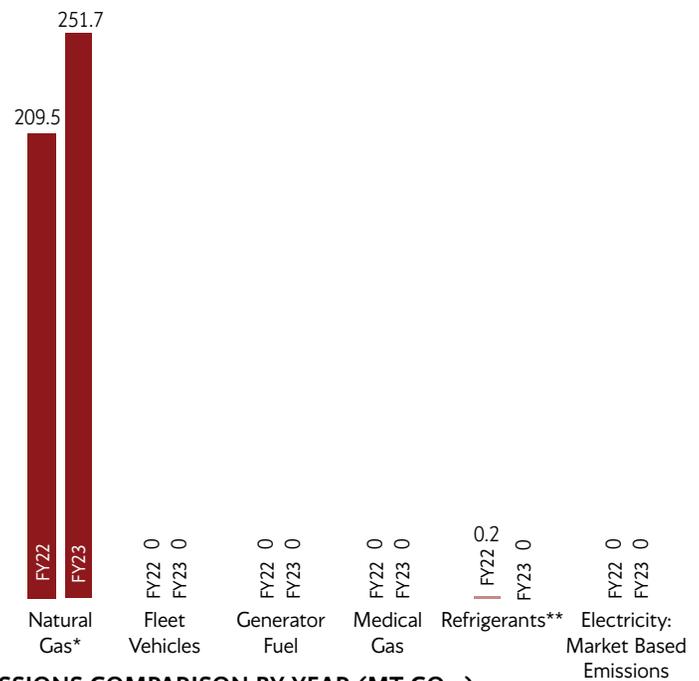
ELECTRICITY FUEL MIX

730 & 732 Welch Road electricity emissions rate is 100% lower than the regional power mix.

SCOPE 1 & 2 EMISSIONS BREAKDOWN



- Natural Gas CPAU
- Fleet Vehicles
- Generator Fuel
- Medical Gas
- Refrigerants
- CEF: Electricity for Heating & Cooling
- CEF: Natural Gas for Heating
- Steam
- Purchased Electricity - Market Based Emissions



SCOPE 1 & 2 EMISSIONS COMPARISON BY YEAR (MT CO₂e)

*Natural Gas usage increased.

**Emissions were estimated using data from other medical office facilities.

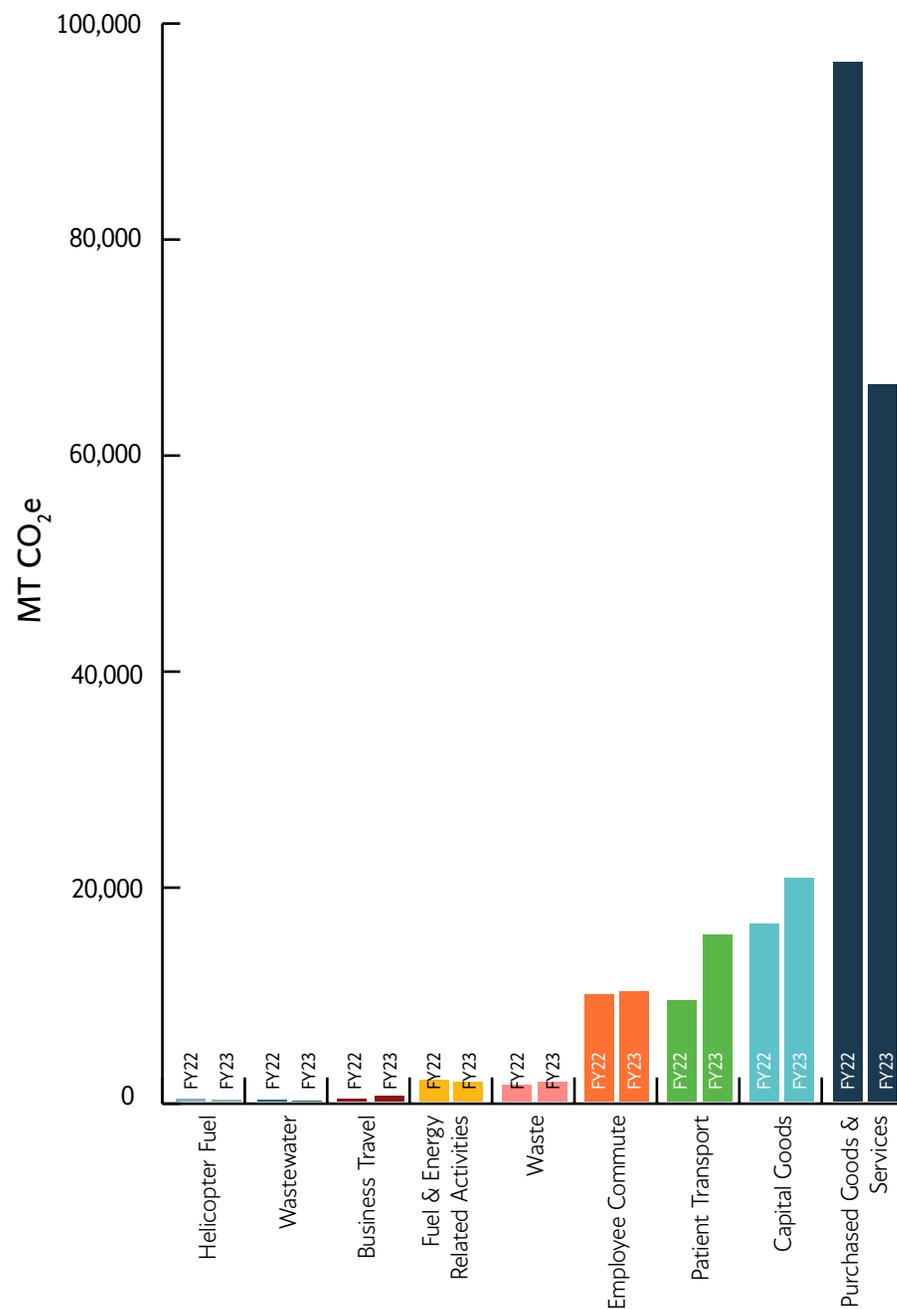
EMISSIONS BREAKDOWN (MT CO₂e)

STANFORD CHILDREN'S FY23 SCOPE 3 GHG ANALYSIS AND COMPARISON

In FY23, Stanford Children's Scope 3 emissions totaled 117,154 MT CO₂e, which is a 14% reduction from FY22 Scope 3 emissions totaling 135,951. The emissions attributable to Scope 3 result from Business Travel, Patient Transport, Employee Commute, Helicopter Fuel, Fuel and Energy-Related Activities, Capital Goods, Purchased Goods and Services, Waste, and Wastewater Treatment and Transport.

Scope 3 Emission Category	FY22 MT CO ₂ e	FY23 MT CO ₂ e	Percentage Change
Purchased Goods & Services	96,202	66,337	-31%
Capital Goods	16,499	20,737	26%
Patient Transport	9,363	15,438	65%
Employee Commuting	10,003	10,255	3%
Waste	1,397	1,866	34%
Fuel & Energy Related Activities	2,074	1,829	-12%
Business Travel	319	621	95%
Wastewater Treatment and Transport	30	13	-57%
Helicopter Fuel	65	59	-10%
Grand Total	135,951	117,154	-14%

STANFORD CHILDREN'S SCOPE 3 EMISSIONS
COMPARISON (FY22 VS. FY23)



STANFORD CHILDREN'S FY23 SCOPE 3 GHG ANALYSIS AND COMPARISON



PURCHASED GOODS AND SERVICES: This category refers to the emissions associated with the goods and services procured by the organization to support its operations. It represents the largest source of Stanford Children's Scope 3 emissions. In comparison to FY22 numbers, there was a 31% reduction in emissions in this category. The reduction can be attributed to the decrease in the amount spent on goods and services, as well as the publication of new emission factors for goods and services by the US EPA. These new emission factors are significantly lower than those used in the FY22 report.



CAPITAL GOODS: This category refers to emissions associated with the production, procurement, and use of long-lasting physical assets such as buildings, infrastructure, machinery, and equipment used in the organization's operations. Stanford Children's Capital Goods emissions increased by 26% from FY22. The increase can be attributed to the increased spending on building maintenance, construction contracts, furniture, and equipment purchasing.



PATIENT TRANSPORT: This category refers to emissions associated with transporting patients to and from Stanford Children's facilities for medical purposes. It includes emissions from ambulance services, medical shuttle services, and transportation patients or their caregivers arrange to access healthcare services. There was a 65% increase in Patient Transport emissions in FY23 compared to FY22 numbers, which is due to the fact that data from more facilities was captured in FY23 (28 facilities) compared to FY22 (4 facilities).



EMPLOYEE COMMUTE: This category refers to emissions associated with employees' daily travel to and from their workplace. This includes emissions from transportation modes such as personal vehicles, public transportation, bicycles, or walking. Stanford Children's FY23 employee commute emissions increased by 3% from FY22 numbers, mainly due to the increase in the number of employees.



WASTE: In FY23, Stanford Children's waste emissions increased by 34% from FY22. The increase is driven by all waste streams except pathological and RCRA hazardous waste.



FUEL AND ENERGY-RELATED ACTIVITIES: In FY23, emissions from fuel and energy-related activities decreased by 12% from FY22. This reduction is attributed to the absence of upstream emissions for chilled water, a decrease in fuel consumption for the vehicle fleet, and a decrease in emission factors for some electricity vendors.



BUSINESS TRAVEL: Business travel emissions increased by 95% from FY22 numbers. This is due to increased spending on air, bus, train, car rental, taxis, limousines, and personal car transportation for business purposes.



WASTEWATER: In FY23, Stanford Children's wastewater emissions were reduced by 57%. This decrease can be attributed to the organization's reduced overall water consumption and lower emission factors for wastewater treatment and transportation.



HELICOPTER USE: Due to a decline in helicopter use for patient transportation, emissions decreased by 10% in FY23. Note that helicopters are exclusively used at 725 Welch Road.

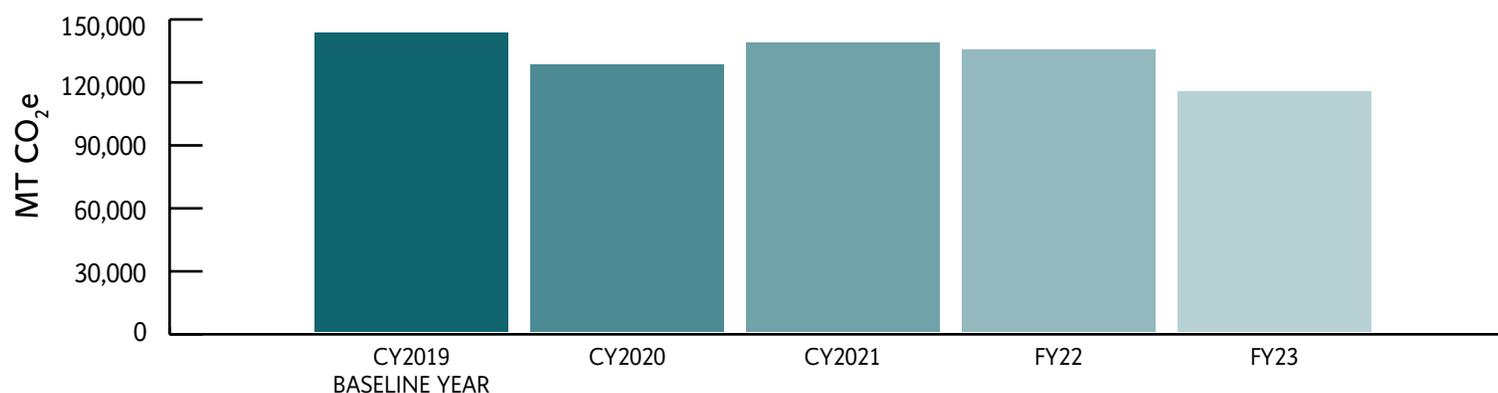
CY2019 VS. FY23 WELCH ROAD EMISSIONS COMPARISON (MT CO₂e)

In FY23, 725 Welch Road achieved a significant 20% reduction in emissions compared to the baseline year, CY2019. This improvement is largely due to a 16% decrease in emissions from natural gas, a 45% reduction in emissions from medical gas, and an impressive 99% decrease in emissions from refrigerants. Additionally, starting April 1, 2022, the Central Energy Facility transitioned to using 100% renewable electricity for chilled water production, resulting in a complete elimination of emissions from the purchase of chilled water for 725 Welch Road. The facility also saw a 9% reduction in steam usage purchased from the Stanford Steam Plant.

In addition, the facility accomplished a significant 35% decrease in emissions related to Capital Goods and a 23% decrease in emissions related to Purchased Goods and Services compared to the baseline year. This reduction can be attributed to lower capital spending, decreased expenditure on goods and services, and a reduction in the emission factors of goods. Another contributing factor to the decrease in emissions from the baseline year is the reduced use of helicopters for patient transportation, with emissions from helicopter use declining by 32% compared to the baseline year.

Annual Emissions per Scope	Baseline Year CY2019 (MT CO ₂ e)	CY2020 (MT CO ₂ e)	CY2021 (MT CO ₂ e)	FY22 (MT CO ₂ e)*	FY23 (MT CO ₂ e)	CY 2020 % Change over Baseline Year	CY 2021 % Change over Baseline Year	FY22 % Change over Baseline Year	FY23 % Change over Baseline Year
SCOPE 1	2,498	1,142	1,280	1,306	1,374	-54%	-49%	-48%	-45%
SCOPE 2	3,875	3,738	3,877	3,428	3,156	-4%	0%	-12%	-19%
SCOPE 3	135,857	122,277	132,290	129,623	109,611	-10%	-3%	-5%	-19%
Total	142,230	127,157	137,447	134,357	114,142	-11%	-3%	-6%	-20%

725 WELCH ROAD EMISSIONS COMPARISON BY YEAR (SCOPES 1, 2, & 3)



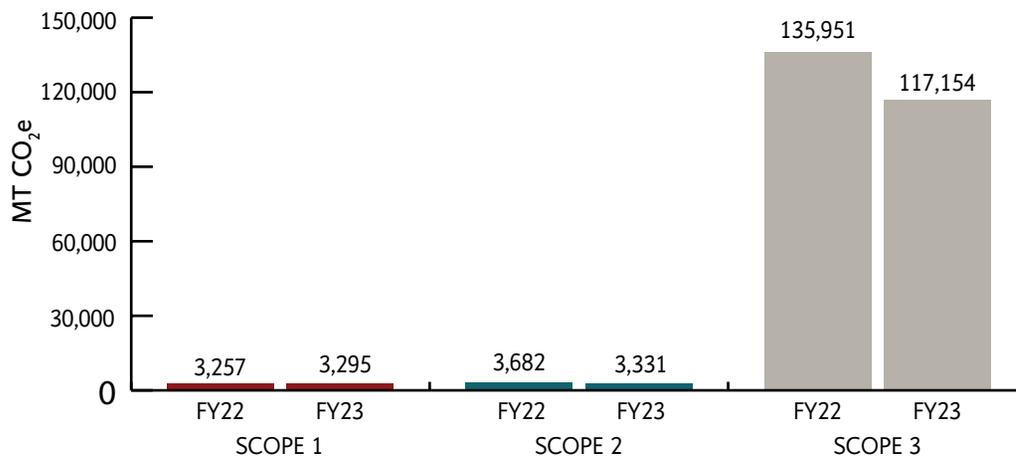
CONCLUSION

The FY23 Greenhouse Gas (GHG) inventory, prepared in accordance with the GHG Protocol Corporate Accounting and Reporting Standard, underscores Stanford Children's commitment to sustainability and its proactive efforts in monitoring and reducing greenhouse gas (GHG) emissions across its operations.

This report demonstrates that Stanford Children's achieved a 13% reduction in total emissions from FY22 to FY23, with notable decreases in Scope 2 and Scope 3 emissions. While minimal, the modest increase in Scope 1 emissions underscores the importance of optimizing operations, enhancing energy efficiency, and prioritizing the collection of actual data for more accurate analysis.

Future efforts could focus on further reducing Scope 1 emissions by adopting cleaner technologies and more efficient operational practices. Additionally, deepening engagements with suppliers and partners to reduce Scope 3 emissions will be crucial in achieving more comprehensive GHG reductions.

STANFORD CHILDREN'S FY22 VS. FY23 EMISSIONS COMPARISON



RECOMMENDATIONS



To reduce its purchased goods and services emissions, Stanford Children's should work with its suppliers to obtain supplier-specific emission factors. These factors will provide a more accurate reflection of the environmental impact of purchased products compared to using industry average emission factors.



To reduce waste emissions, Stanford Children's should educate staff on sustainable waste practices and the importance of reducing waste. Stanford Children should also implement initiatives to reduce waste generation at the source.



Stanford Children's should transition its fleet to electric or hybrid models to reduce emissions from fleet vehicles. The transition would include installing electric vehicle charging stations at key facilities to support charging needs.



Stanford Children's should promote telemedicine services to reduce the need for in-person visits. This can significantly decrease the number of trips patients need to make, thereby reducing emissions from patient transportation.

APPENDIX

TABLE 1: LIST OF ESTIMATED DATA

Facility Address	Fleet Vehicles	Generator Fuel	Medical Gas	Natural Gas	Refrigerants	CEF: Electricity for Heating and Cooling	CEF: Natural Gas for Heating	Purchased Electricity - Market-Based Emissions	Purchased Electricity - Location-Based Emission	Steam	Capital Goods	Purchased Goods & Services	Fuel & Energy Related Activities	Wastewater Treatment and Transport	Waste	Business Travel	Employee Commute	Helicopter Fuel	Patient Transport
725 Welch Road	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided	Provided
1290 59th St.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Estimated	Provided	N/A	Provided	N/A	N/A
2147 Mowry Ave.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Estimated	Estimated	N/A	Provided	N/A	Provided
14601 S. Bascom Ave.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Provided	Provided	N/A	Provided	N/A	Provided
14651 S. Bascom Ave.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Provided	Provided	N/A	Estimated	N/A	Provided
321 Middlefield Rd.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Provided	Estimated	N/A	Provided	N/A	Provided
555 Knowles Dr.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Estimated	N/A	Provided
4100 Bohannon Dr.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Estimated	Estimated	N/A	Provided	N/A	N/A
4200 Bohannon Dr.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	N/A
4300 Bohannon Dr.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	N/A
4700 Bohannon Dr.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Estimated	Estimated	N/A	Provided	N/A	N/A
4600 Bohannon Dr.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Provided	N/A	Provided	N/A	N/A
1401 Spanos Ct.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
1174 Castro St.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
2495 Hospital Dr.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Estimated	N/A	Provided
2490 Hospital Dr.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
2500 Grant Rd.	N/A	Estimated	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Provided	Estimated	Estimated	N/A	Provided	N/A	N/A
401 Quarry Rd.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
700 Welch Rd.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Provided	Provided	N/A	Provided	N/A	N/A
730 and 732 Welch Specialty Services	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Provided	Provided	N/A	Provided	N/A	Provided
750 Welch Rd.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Provided	Provided	N/A	Provided	N/A	N/A
770 Welch Rd.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Provided	Provided	N/A	Provided	N/A	Provided
777 Welch Rd.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Provided	Provided	N/A	Estimated	N/A	Provided
2452 Watson Ct.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
180 El Camino Real	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Estimated	Estimated	N/A	Provided	N/A	Provided
5000 Pleasanton Ave.	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Estimated	Estimated	N/A	Provided	N/A	Provided
170 Alameda de las Pulgas	N/A	Estimated	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
2900 Whipple Ave.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Estimated	N/A	Provided
212 San Jose St.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
1100 Van Ness Ave.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
1685 Commercial Way	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
1195 West Fremont Ave.	N/A	Provided	Provided	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Estimated	Provided	N/A	Provided	N/A	Provided
1601 Ygnacio Valley Road - Office	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
1601 Ygnacio Valley Road - MOB	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided

Facility Address	Fleet Vehicles	Generator Fuel	Medical Gas	Natural Gas	Refrigerants	CEF: Electricity for Heating and Cooling	CEF: Natural Gas for Heating	Purchased Electricity - Market-Based Emissions	Purchased Electricity - Location-Based Emission	Steam	Capital Goods	Purchased Goods & Services	Fuel & Energy Related Activities	Wastewater Treatment and Transport	Waste	Business Travel	Employee Commute	Helicopter Fuel	Patient Transport
1720 El Camino Real	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Estimated	Provided	N/A	Provided	N/A	Provided
14777 Los Gatos Blvd.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	N/A
3480 Buskirk Ave.	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Provided	N/A	Provided
106 La Casa Via	N/A	N/A	N/A	Provided	N/A	N/A	N/A	Provided	Provided	N/A	N/A	N/A	Provided	Estimated	Estimated	N/A	Estimated	N/A	Provided
350 Park Dr	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Provided	Provided	Provided	N/A	N/A	N/A	N/A
1371 E. Foxhill Drive	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Provided	Provided	Provided	N/A	N/A	N/A	N/A
2800 L Street	N/A	N/A	N/A	Estimated	N/A	N/A	N/A	Estimated	Estimated	N/A	N/A	N/A	Estimated	Estimated	Estimated	N/A	Estimated	N/A	Provided

TABLE 2: 725 WELCH ROAD YEAR-TO-YEAR EMISSIONS REDUCTION

Emissions Per Scope	Emissions Category	Baseline Year -CY2019 (MT CO2e)	CY2020 (MT CO2e)	CY2021 (MT CO2e)	FY22 (MT CO2e)	FY23 (MT CO2e)	CY 2020 % Change over Baseline Year	CY 2021 % Change over Baseline Year	FY22 % Change over Baseline Year	FY23 % Change over Baseline Year	FY23% change over FY22
SCOPE 1	Natural Gas CPAU	1,143	681	753	789	962	-40%	-34%	-31%	-16%	22%
	Fleet Vehicles	21	12	48	50	43	-43%	129%	137%	107%	-13%
	Generator Fuel	34	31	37	45	71	-9%	9%	31%	107%	58%
	Medical Gas	533	344	428	412	291	-35%	-20%	-23%	-45%	-29%
	Refrigerants	767	74	14	11	8	-90%	-98%	-99%	-99%	-31%
SCOPE 2	Purchased Electricity - Market-Based Emissions	-	-	-	-	-	-	-	-	-	-
	<i>Purchased Electricity - Location-Based Emissions*</i>	5,683	5,744	6,380	7,439	6,849	1%	12%	31%	21%	-8%
	CEF: Electricity for Heating and Cooling	651	548	655	274	-	-16%	1%	-58%	-100%	-100%
	CEF: Natural Gas for Heating	105	175	233	263	303	67%	122%	151%	189%	15%
	Steam from Stanford Steam Plant	3,119	3,015	2,989	2,891	2,853	-3%	-4%	-7%	-9%	-1%
SCOPE 3	Capital Goods	32,034	14,554	14,477	16,499	20,737	-55%	-55%	-48%	-35%	26%
	Purchased Goods & Services	86,082	88,062	97,302	96,202	66,337	2%	13%	12%	-23%	-31%
	Fuel & Energy Related Activities	-	-	1,415	980	732	-	-	-	-	-25%
	Waste	774	797	887	762	1,080	3%	15%	-2%	40%	42%
	Wastewater Treatment and Transport	2	9	10	9	4	350%	400%	358%	82%	-60%
	Business Travel	520	187	120	319	621	-64%	-77%	-39%	19%	95%
	Employee Commuting	7,405	8,978	6,800	7,023	7,411	21%	-8%	-5%	0%	6%
	Patient Transport	8,954	9,635	11,215	7,764	12,631	8%	25%	-13%	41%	63%
	Helicopter Fuel	86	55	64	65	59	-36%	-26%	-24%	-32%	-10%
TOTAL		142,230	127,157	137,447	134,357	114,142%	-11%	-3%	-6%	-20%	-15%

*The GHG Protocol requires the reporting of Location-based emissions, with the option of excluding the emission category from the total.

