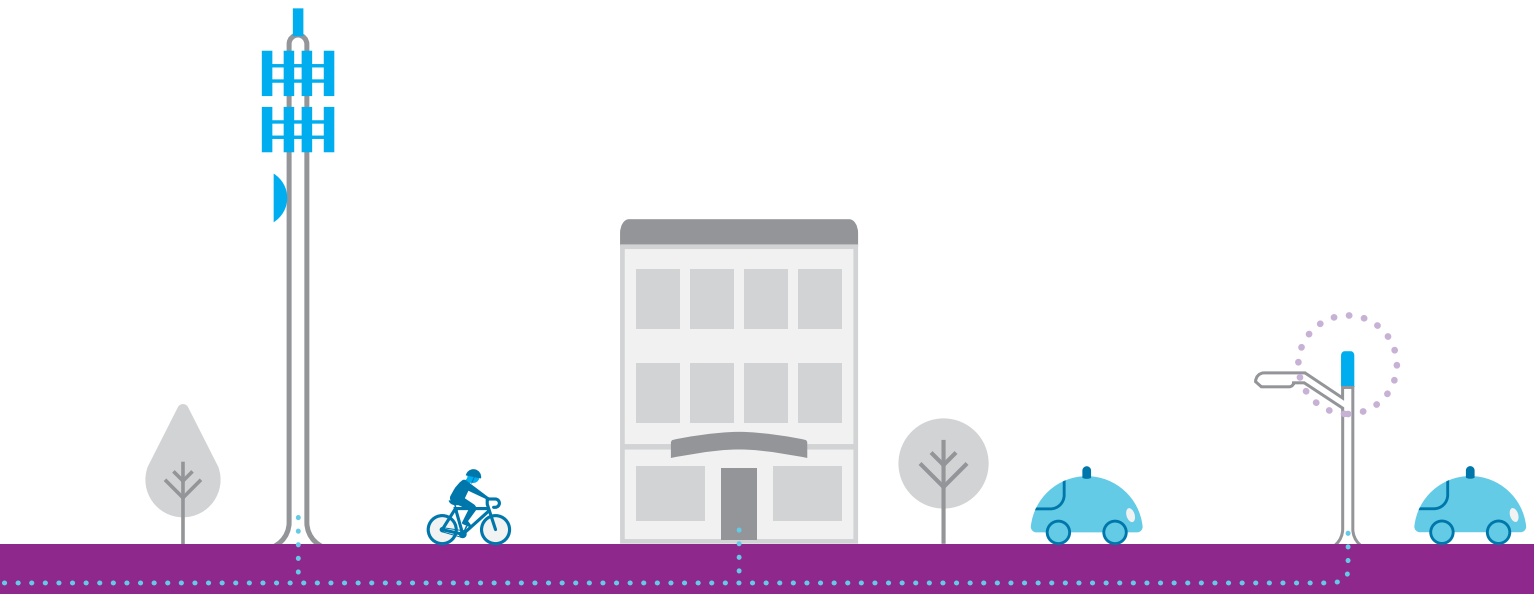
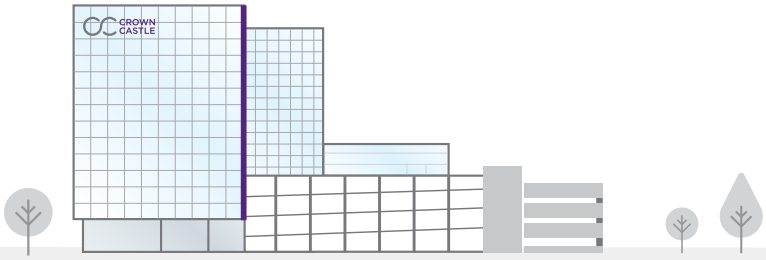
2022

Environmental, Social & Governance Report



CROWN CASTLE



Leadership Letter

Jay Brown | President & CEO

The world is full of big opportunities and big challenges, and everywhere I turn I see people looking to an extensive and growing demand for data as they arrive at solutions—data to reduce emissions by operating buildings, transportation and energy systems more efficiently; data for public safety and better, more abundant food and medicines; and data to learn, realize ideas, grow businesses and create jobs.

As we provide profitable solutions to connect communities, businesses and people, we are also enabling the data flow and computation that are helping to tackle global sustainability challenges —and doing so through our shared infrastructure model. By enabling our customers to colocate on our towers, fiber and small cells, fewer materials, energy and other resources are used, resulting in a smaller footprint and less disruption than would otherwise be needed. Our shared model is better for communities and the environment.

Although our carbon intensity is 80 times lower than the S&P 500 average, we set a goal two years ago to be carbon neutral in Scope 1 and 2 emissions by 2025. Through energy reduction initiatives, such as LED tower lighting upgrades, and renewable energy, we're more than half of the way to reaching our goal. In 2022, over 80% of our Scope 1 and 2 emissions came from electricity, and two-thirds of our electricity came from renewables.

We are working with our customers, suppliers and employees to formulate strategies in an effort to reduce emissions across our entire value chain, and are currently finalizing a comprehensive Scope 3 inventory to enable Crown Castle to publicly report Scope 3 emissions.

Our engineering approach considers the specific climate risks at our sites and contributes significantly to the integrity of Crown Castle's assets. Although our annual repair and maintenance expense stemming from extreme weather events is minimal, ensuring the reliability of our communications infrastructure is of monumental importance. Following Hurricane Ian, the resilience of our towers and fiber allowed our teams to restore connectivity in Florida's hardest-hit areas within six days, which was essential for those communities.

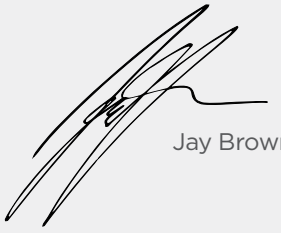
We believe our efforts to proactively increase business with existing diverse suppliers, to identify and assist new diverse suppliers with obtaining certification, and to enhance our tools and resources to equip our decision-makers with the insights they need will position us to make progress toward our goal of increasing our spend with diverse suppliers.

Demand for data and new innovations is on the rise, and communities across the country are reimagining their approach to connectivity as they strive to become safer, better places to live. We've invested more than $40 billion in communications infrastructure to date and, of that, approximately 25% has been in low-income areas.

Crown Castle is inherently focused on sustainability because of what we do and how we do it. Our team remains committed to operating responsibly and ethically as we embrace opportunities to better what's been entrusted to us and make our mark on the future.

I invite you to read more about our approach to ESG in the following pages.

Thank you for engaging with us,

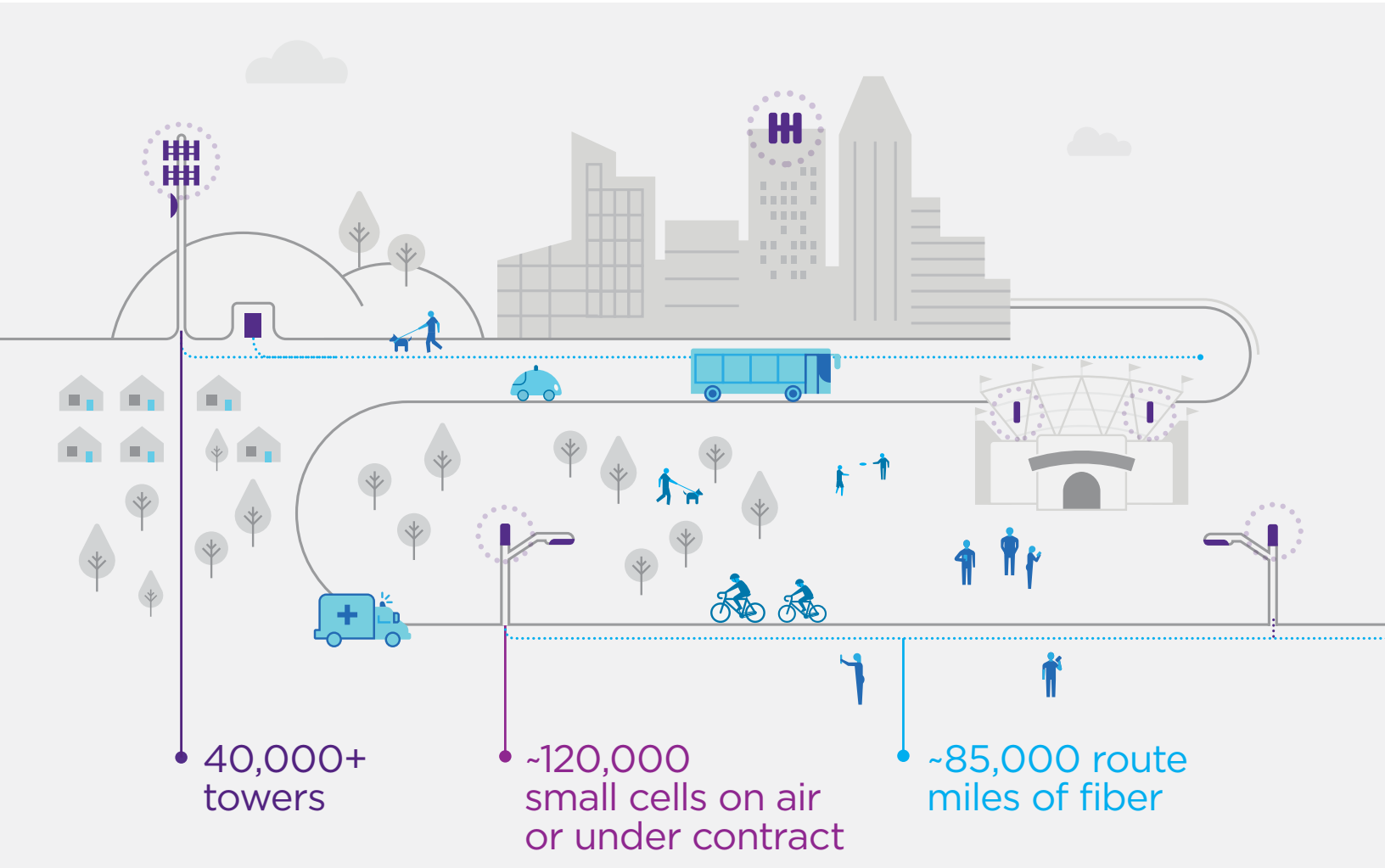


Jay Brown

The nation's largest provider of shared communications infrastructure[1]

Founded in 1994, Crown Castle works in every major US market to build, operate and maintain the communications infrastructure essential to connecting people, communities and businesses. We understand that connectivity is the lifeline to public safety, learning, employment, transportation and many services that allow communities to thrive.

As a real estate investment trust (REIT), we lease space on our shared communications infrastructure through long-term contracts with our customers—the leading US wireless carriers and other enterprises. Our business model is built on the concept that sharing a single asset among multiple customers not only makes economic sense, but is also a sustainable means of meeting the growing demand for connectivity. This not only benefits our customers and the communities they serve but also represents our long-standing ESG commitment.



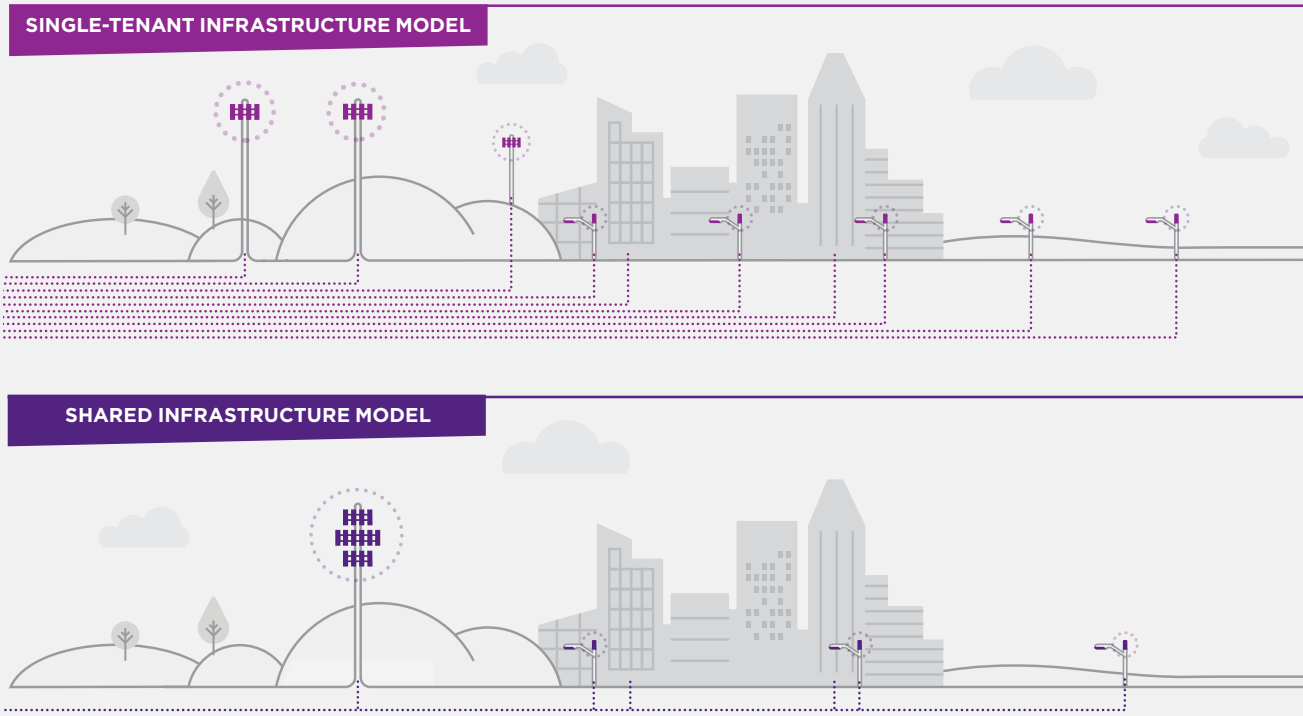
1 As of June 30, 2023.

An inherently sustainable business model

Life and business demand more data, in more places—faster than ever before. For over 25 years, we have met the increased need for data and connectivity through a shared communications infrastructure model that is inherently sustainable. We build once and use our infrastructure for multiple customers. Having multiple customers share space on our assets lowers the number of total assets that would otherwise be needed and reduces overall emissions by decreasing the use of materials and other resources. But it also goes beyond resource efficiency; colocation enables our customers to take advantage of existing infrastructure to reduce operational and maintenance costs and get on air quicker, extending critical coverage and capacity where it's needed most.

Benefits of shared infrastructure

Our shared infrastructure model supports multiple customers and results in the use of fewer resources—including water, energy, metals and other materials—than would otherwise be needed to construct and maintain communications infrastructure.



Community and environmental benefits

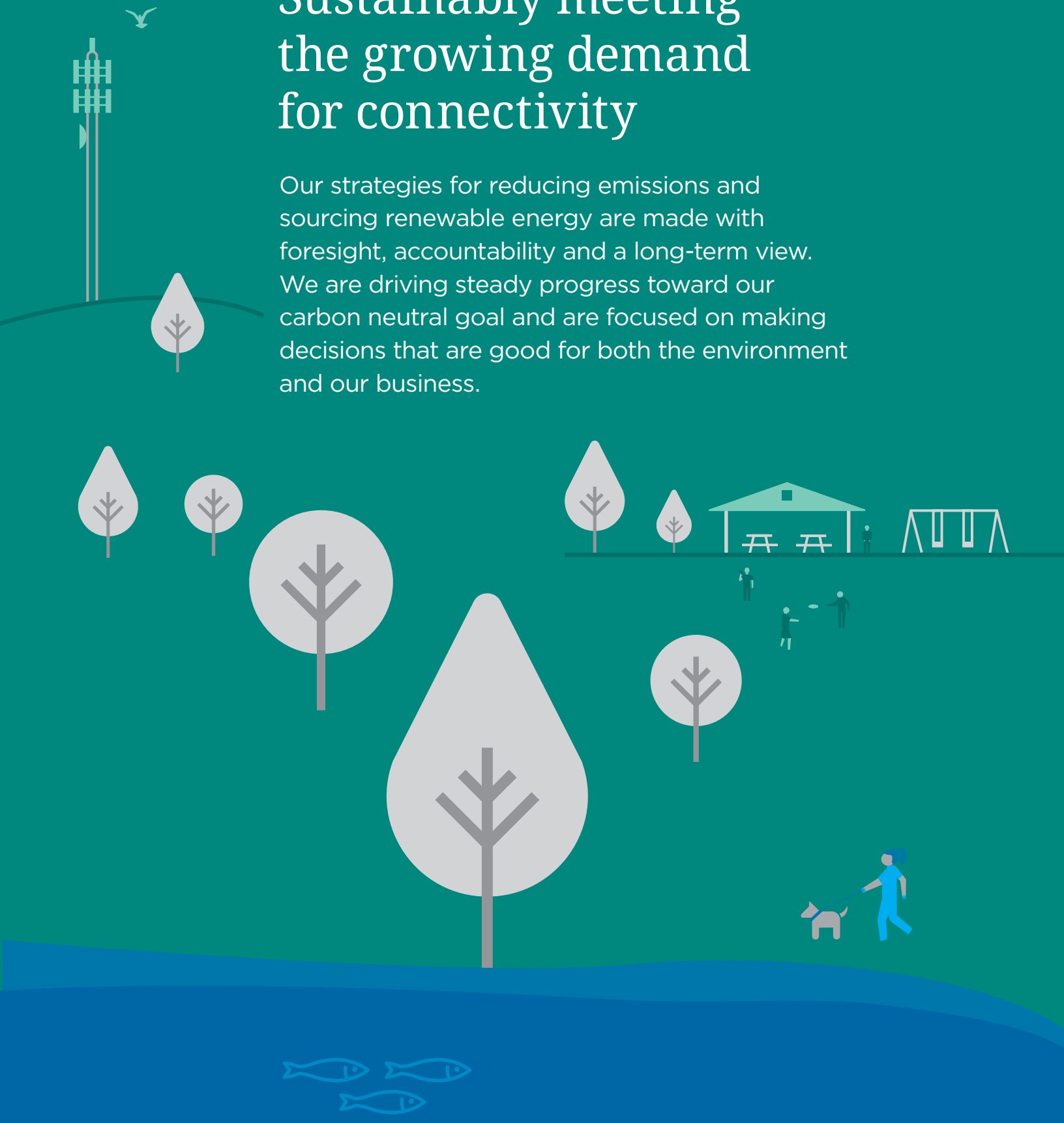
- Reduces footprint
- Improves connectivity in more places
- Minimizes resources and materials
- Reduces impact on ecosystems and biodiversity

Customer benefits

- Expands access to infrastructure
- Extends coverage areas
- Supports shared power for tenants
- Improves speed to market
- Lowers operational and maintenance costs
- Facilitates lower-cost access to connectivity

Sustainably meeting the growing demand for connectivity

Our strategies for reducing emissions and sourcing renewable energy are made with foresight, accountability and a long-term view. We are driving steady progress toward our carbon neutral goal and are focused on making decisions that are good for both the environment and our business.



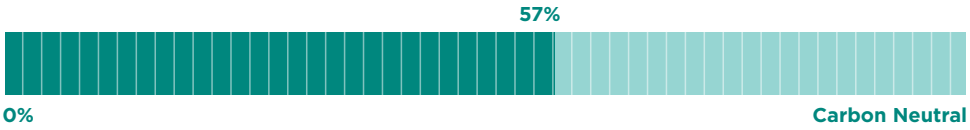
Our goal

To be carbon neutral by 2025 in Scope 1 and 2 emissions.

CARBON NEUTRAL 2025 GOAL

Our progress

We're more than half[1] of the way to reaching our carbon neutral goal, and we believe we are on track to achieve it by 2025. Continuing to explore emissions reduction opportunities across our business and identifying additional sources of renewable energy remain important components of Crown Castle's overall approach.

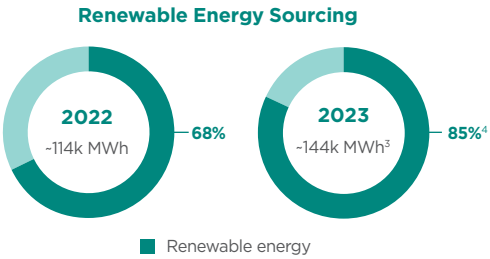


Renewable energy

We continue to drive significant progress in sourcing high-quality, domestic renewable energy. In March 2023, we supported the development of a 50 MW solar farm, which is set to be operational in 2023, and we have procured renewable energy contracts from a recently constructed 300 MW wind farm.

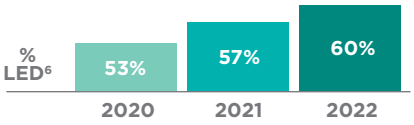
Increasing our utilization of renewable energy represents another step in reducing our carbon footprint to help address the global challenge of climate change as we continue to work toward our carbon neutral goal.

68%
of our 2022 electricity consumption was from renewable sources[2]

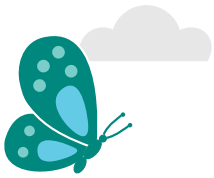


LED lighting

60%
of lit towers upgraded to energy-efficient LED lights[5]



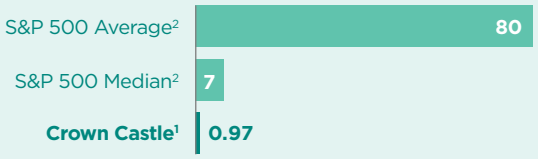
1 Percentage calculated based on the difference between (i) 2022 Scope 1 and market-based Scope 2 emissions of 31,937 $MTCO_2e$ and (ii) 2022 Scope 1 and location-based Scope 2 emissions of 73,657 $MTCO_2e$, divided by 2022 Scope 1 and location-based Scope 2 emissions of 73,657 $MTCO_2e$. **2** Percentage calculated using approximately 114,000 MWh of renewable energy contracted for 2022 compared with 2022 annual consumption of approximately 168,000 MWh. **3** Amount represents renewable energy contracted in 2023 as of June 30, 2023. **4** Percentage calculated using approximately 144,000 MWh of renewable energy contracted for 2023 compared with projected 2023 annual consumption of approximately 168,000 MWh. **5** Percentage calculated based on 12,117 total lit towers as of December 31, 2022. **6** Percentages calculated based on the total lit tower count as of December 31 of each year presented.



Carbon intensity[1]

80x lower

than the S&P 500 average[2]



Wildfire risk mitigation

Crown Castle conducted live pre-construction check-ins with **100%** of contractors performing hot work on tower sites with an elevated wildfire potential hazard. During these check-ins, wildfire risk mitigation procedures were observed, reviewed and validated.

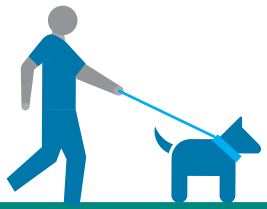
Greenhouse gas (GHG) emissions

Scope 1 and 2

To craft a strategy to reduce GHG emissions, we calculated our 2022 Scope 1 and 2 GHG emissions based on energy utilization across our operations, including towers, small cells and fiber, offices and warehouses, fleet and backup generators.

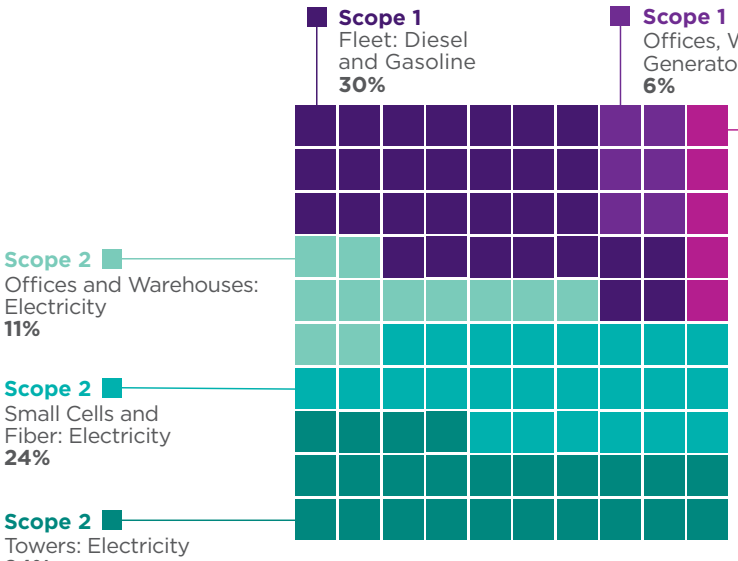
	Fuel and Energy Consumption[3,4]			Greenhouse Gas Emissions[3,10]	
Asset Class	**Natural Gas (therms)**	**Electricity (kWh)**	**Diesel, Gasoline and Propane (MMBtu)**	**Scope 1 ($MTCO_2e$)**	**Scope 2[11] ($MTCO_2e$)**
Towers[5]	—	72,518,291	—	—	7,556
Small Cells and Fiber[6,7]	—	65,133,975	—	—	7,713
Offices and Warehouses[8]	362,838	29,959,989	—	1,927	3,340
Fleet[9]	—	—	130,444	9,679	—
Generators	11,478	—	22,299	1,722	—
Total	**374,316**	**167,612,255**	**152,743**	**13,328**	**18,609**

1 Crown Castle's carbon intensity calculation is based on 2022 Scope 1 and Scope 2 location-based total emissions in metric tons of carbon dioxide equivalent per $1B in enterprise value. Enterprise value is as of March 31, 2023. **2** Calculation based on available data from Bloomberg as of March 31, 2023. **3** Based on an operational control approach, as defined by World Resources Institute (WRI) GHG Protocol and scope guidance. Boundaries include all material operating locations. **4** Where actual consumption data was not available, we used a sampling approach or public information, such as equipment fuel efficiency and power ratings, to estimate fuel and energy consumption. **5** Electricity consumption and resulting emissions associated with HVAC systems situated in ground shelters at our tower sites are calculated based on the applicable energy consumption factors for each type of HVAC unit (e.g., central air, window unit, etc.) that was in operation in 2022 at such sites, taking into account assumptions regarding (i) customer tenancy at company-owned shelters, (ii) customer reliance (or lack thereof) on our HVAC units and (iii) HVAC system operations in unoccupied shelters. **6** Prior to 2022, our calculation of electricity consumption associated with fiber points of presence (POPs) included adjustments for power usage effectiveness (PUE), which accounted for auxiliary energy use at leased POP locations in our Scope 2 inventory. Upon further review, we determined that as the lessor, we do not have operational control over our leased POP locations because we do not have the authority to introduce and implement operating policies. As such usage falls outside of our operational boundary, prior years' electricity consumption and the resulting emissions calculation were overstated. The 2022 Scope 2 calculations reflect auxiliary energy use only at owned POP locations where Crown Castle is assumed to have operational control. **7** Prior to 2022, the electricity consumption calculation for a limited number of iDAS venues did not include electricity supplied by the venue operator for the benefit of Crown Castle, the costs of which were not passed through to Crown Castle. For the 2022 Scope 2 calculation, we estimated Crown Castle's electricity consumption with respect to such venues, which was based upon average tenant electricity utilization across other iDAS venues. **8** Based on actual consumption data for offices, owned and leased square footage, and estimates derived from nationwide energy intensity statistics from the Energy Information Administration's (EIA's) Commercial Building Energy Consumption (CBEC) Survey for the remainder of the offices. **9** Based on estimated allocation between diesel and gasoline vehicles. **10** We used emission factors from 40 CFR Part 98 Tables C-1 and C-2 and EPA eGRID factors. Global Warming Potential documented in the Intergovernmental Panel on Climate Change AR5 report was used to calculate CO_2e for methane (CH_4) and nitrous oxide (N_2O). **11** Our Scope 2 emissions were calculated using WRI GHG Protocol's market-based method. Prior years' Scope 2 emissions calculations were reported using WRI GHG Protocol's location-based method. Refer to the ESG Data Tables for Scope 2 emissions calculated using the location-based method covering the years indicated therein.



GHG emissions, continued

2022 Scope 1 & 2 emissions sources[1]



Asset Class	Electricity Sources
Towers	› Tower lighting › Ground shelter HVAC
Small Cells and Fiber	› iDAS venues › Fiber points of presence (POPs)

Scope 3

We are currently finalizing a comprehensive Scope 3 inventory to enable Crown Castle to publicly report Scope 3 emissions. This foundational work will confirm the most significant drivers of our value chain emissions and areas where we may be able to impact future reductions.

We continue to believe our Scope 3 emissions are primarily driven by:

- Downstream electricity that powers our customers' equipment on our infrastructure assets
- Capital goods, including construction, largely associated with fiber installation
- Purchased goods and services

The remainder of our Scope 3 emissions inventory is composed of categories that are individually less material to our overall footprint, including fuel- and energy-related activities, upstream transportation and distribution, waste generated in operations, business travel and employee commuting. We are working with our customers, suppliers and employees to formulate strategies in an effort to reduce emissions across our entire value chain.

1 See p. 7 for further information regarding our 2022 energy consumption.

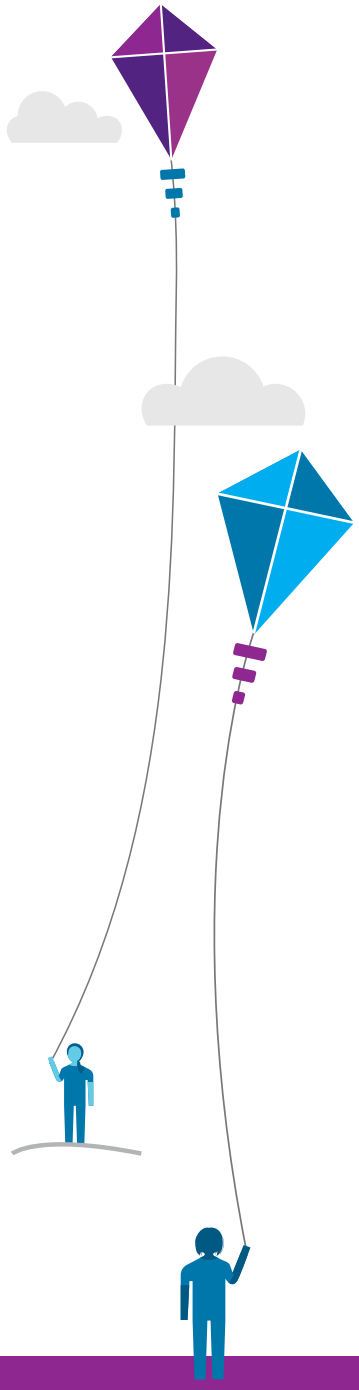
Intentionally building our community for trust and growth

A key component of our strategy is promoting inclusion and diversity as we strive to keep communities safe, connected and ready for the future. This starts with developing a diverse ecosystem of talent and extends to our goal of increasing our spend with diverse suppliers.

Our goal

16% in diverse supplier spend[1] by 2026, representing top quartile[2] in US diversity spend among 100+ large companies.

SUPPLIER DIVERSITY 2026 GOAL



Our progress

We believe our efforts to proactively increase business with existing diverse suppliers, to identify and assist diverse suppliers with obtaining certification, and to enhance our tools and resources to equip our decision-makers with the insights they need will position us to make progress toward our goal.

Company values

We strive to create an environment that's challenging and rewarding—a place where we embrace the best ideas, as together we pursue excellence in serving our customers and communities. It's an attitude that's informed by our core values, something we call Purple. These values are the why behind our actions and our promise to each other, our customers, our shareholders and the communities we serve.

- **P** We believe **People matter** and our success starts with them—that's why we treat each person with care and respect.
- **U** We know that **'Us' together is better** because our differences make us stronger and, when we work together, we arrive at better solutions faster.
- **R** We aim to do the **Right thing, always**, acting with integrity, foresight and accountability even when that means taking the harder path.
- **P** We **Pursue excellence** in everything we do, continually aspiring to be better and finding joy on the journey to greatness.
- **L** We each continuously **Learn and grow** to drive our collective growth—approaching every situation with openness and curiosity, intention and compassion.
- **E** We **Embrace stewardship** by bettering what is entrusted to us as owners of our business, members of our communities and creators of our culture—improving them for those that come next.

1 Diverse supplier spend is calculated as spend with diverse suppliers divided by our total addressable spend. A diverse supplier is defined as a supplier that is greater than 50% owned and operated by one or more individuals that are either minorities, women, veterans, disabled or LGBTQ+ and are certified by a third-party certification agency.
2 The Hackett Group, *2021 Supplier Diversity Study*. Quartile ratings are as of 2021, when our goal was established.

2022 Workforce snapshot[1]

Our company values, along with our Inclusion & Diversity principles, guide our actions. To strengthen our values-based culture, leaders and employees across the company actively participated in multi-day Inclusion & Diversity workshops. Through our recruiting efforts, which include securing diverse hiring panels and conducting competency-based interviews, we continue to demonstrate our commitment toward a more diverse future.

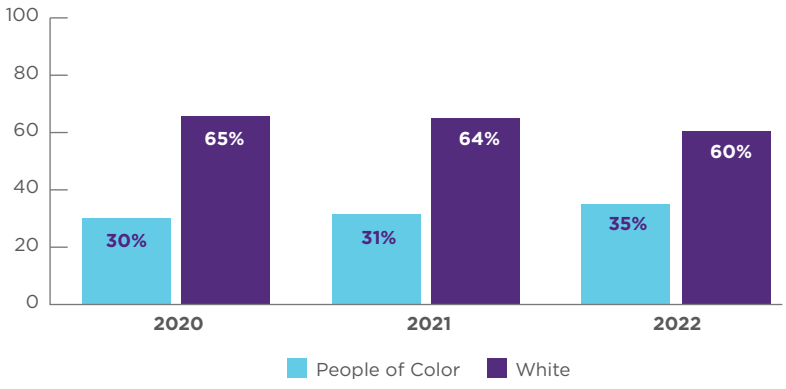
	Gender Diversity		Racial Diversity								
Job Categories	Women	Men	White	Hispanic/ Latinx	Asian	Black	Native Hawaiian/ Pacific Islander	American Indian/ Alaskan Native	Two + Races	Not Specified	Total People of Color
Senior Leaders[2]	24%	76%	73%	5%	6%	6%	0%	0%	2%	8%	19% ↓1%
Managers & Professionals	31%	69%	75%	9%	8%	3%	0.4%	0.2%	2%	2%	23% ↑1%
Non-Management	33%	67%	68%	13%	5%	8%	0.6%	0.2%	3%	2%	30% ↑3%
TOTAL[3]	32%	68%	71%	11%	7%	6%	0.5%	0.2%	2%	2%	26% ↑1%

Diversity among promotions

37% of promotions were earned by women, which over-indexes compared to the 32% of women in the company

27% of promotions were earned by People of Color, which over-indexes compared to the 26% People of Color population in the company

Diversity among new hires[3]



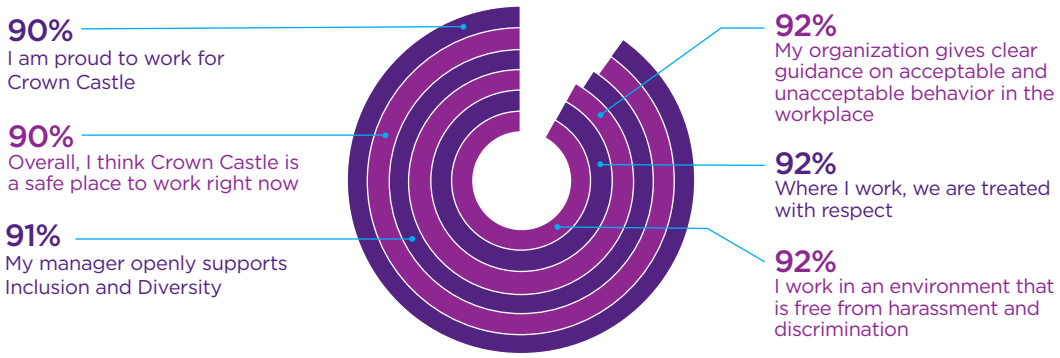
1 This data is derived from our 2022 EEO-1 Report. The arrows depict an increase or decrease compared to 2021 data as of December 31, 2021. Percentages may not sum to 100% due to rounding. **2** Senior leaders consist of Executive Management Team (EMT), Senior Vice Presidents and Vice Presidents. **3** Percentages calculated as of December 31 of each year represented. Percentages do not include employees that chose not to specify ethnicity/race.

Connecting communities

Our infrastructure is essential to connectivity and creates value for our shareholders. We've invested more than $40 billion in communications infrastructure, including **~$10 billion** in low-income areas.[1]

Employee engagement survey highlights[2]

Employee engagement is critical to building an inclusive Crown Castle community and to the overall growth of our business.



Crown Castle's participation rate and engagement scores well exceeded Mercer's[3] US company norms.

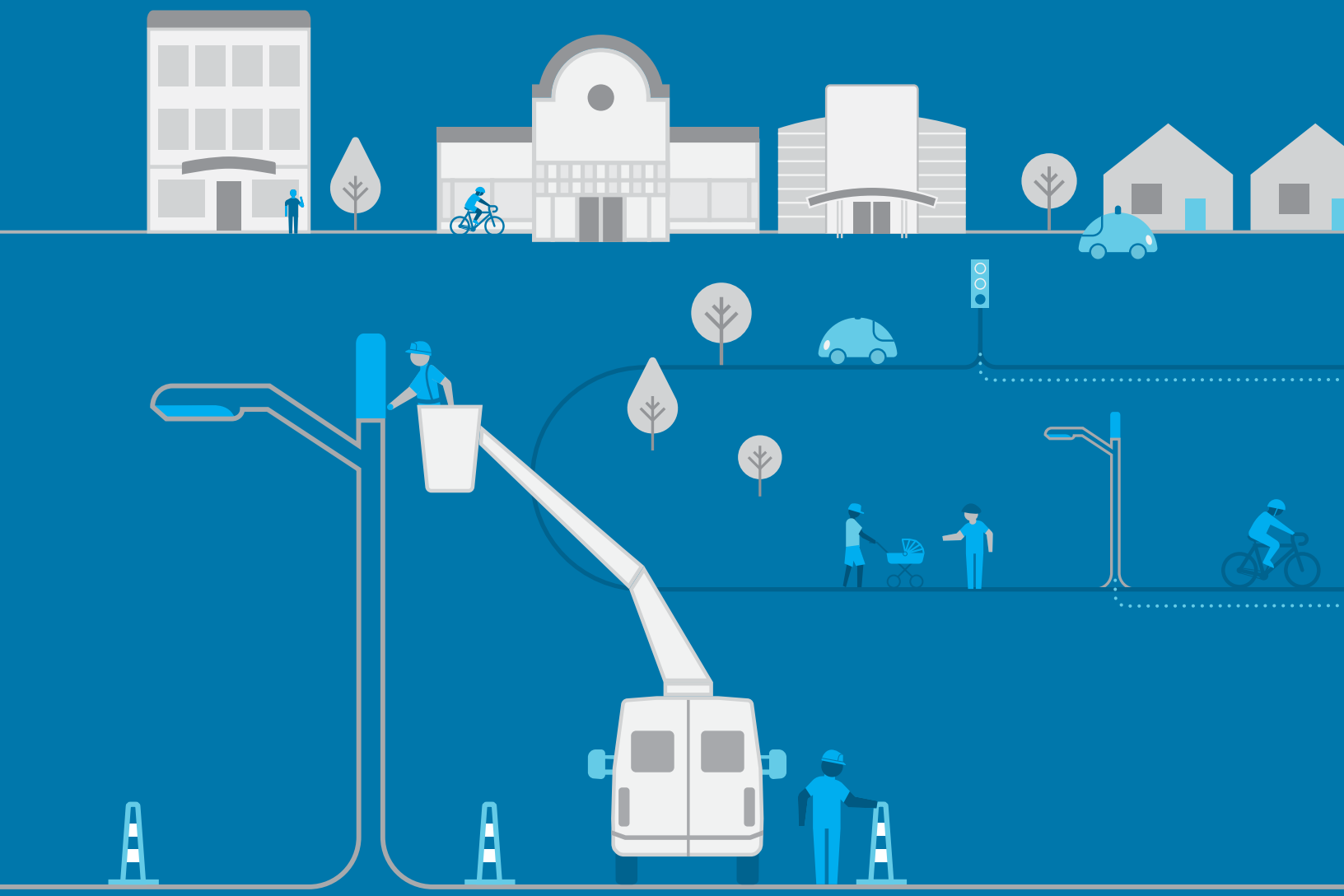
1 Based on total capital invested in Crown Castle assets that are located within, or provide service coverage (entirely or partially) to, US Census blocks with 2022 median household income at or below $49,999, which is a key input to qualify for an automatic zero "expected family contribution" calculation for federal student aid (dependent students). **2** As of May 2022. **3** Mercer is a leading global data and insights company.

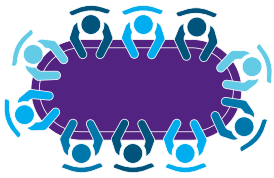
connected by good

In 2022, 1,200+ employees collectively volunteered more than 6,000 hours at over 50 participating Boys & Girls Clubs across the country, helping to inspire young people to envision a future in STEM.

Responsibly stewarding our business

We recognize the importance of a robust corporate governance framework and a skilled and diverse board of directors as we build long-term value. Every action we take is an opportunity to operate with integrity and to better what's entrusted to us—from engineering for network resiliency to promoting safety and protecting our systems and the data they store.





Board highlights[1]

60% of our board is composed of women and/or People of Color

80% independent board directors, including an independent chair

NESG Committee assists the board with overseeing ESG strategies, goals and initiatives and regularly engages with senior management

Non-executive directors do not serve on more than two other public company boards

Network resiliency

Annual repair- and maintenance-related expenses have historically been immaterial compared to the value of our asset base. For the three-year period ended December 31, 2022, Crown Castle spent an amount equal to approximately **0.01%** annually of the **$28 billion**[2] value of its property and equipment on repairs and maintenance stemming from extreme weather events, demonstrating the resiliency of our portfolio.

Cybersecurity statistics

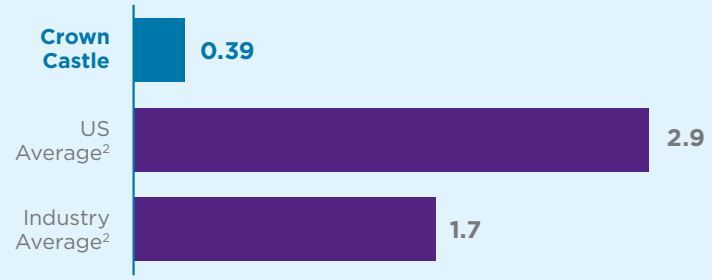
Our cybersecurity program is designed to raise awareness of risks and to reinforce a culture of security-sensitive end users. We're driving improvement in our program's performance by regularly conducting vulnerability assessments and continually testing and adjusting for newly emerging threats.

- **24/7/365** operation of our Security Operations Center to monitor and address cyberthreats
- **34,799** test phishing emails sent
- **21,929** cybersecurity training modules completed

1 As of May 2023. **2** Gross property and equipment as of December 31, 2022, excluding construction in process.

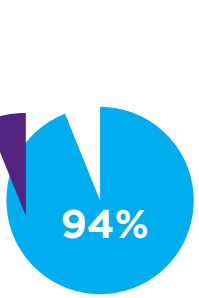
Safety statistics (TRIR)

2022 Total Recordable Incident Rate (TRIR)[1] well below average

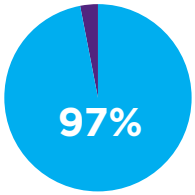


Safety survey highlights[3]

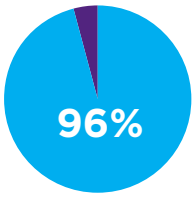
We're proud that our TRIR is well below the US and industry averages, but we're not resting on this strong foundation. In 2022, Crown Castle conducted a company-wide safety survey to help guide updates to our existing safety programs.



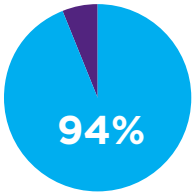
I believe safety is an important priority at Crown Castle.



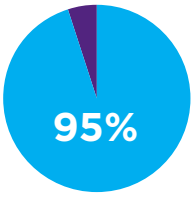
I am able to stop work if I feel there is a safety issue.



My immediate manager holds employees accountable for following safety procedures.



I have received the training I need to perform my job safely.



Where I work, if I bring up a concern or an issue about safety I feel confident that it will be addressed.

1 Calculated as the number of US Occupational Safety and Health Administration (OSHA) Recordable Incidents per 200,000 hours / total hours worked. **2** The US average TRIR and the Telecommunications Industry average TRIR were obtained from the Bureau of Labor Statistics. Averages are for full year 2021 because 2022 data has not yet been released. **3** This data is derived from Crown Castle's 2022 Safety Survey. The results below indicate overall favorability across our field teams' respondents, except for the statement "I believe safety is an important priority at Crown Castle," which represents overall favorability across all survey respondents at the company.

ABOUT THIS REPORT

This report summarizes our Environmental, Social and Governance goals and progress for calendar year 2022. It is intended to provide highlights and to be utilized in combination with our indices linked below, ESG data tables and ESG website at CrownCastle.com.

Indices

Global Reporting Initiative (GRI) Index

Sustainability Accounting Standards Board (SASB) Index

Task Force on Climate-related Financial Disclosures (TCFD) Index

Report boundaries

This report was published in July 2023 and, unless otherwise indicated or the context otherwise suggests, reflects our activities for calendar year 2022. This report provides qualitative and quantitative information on our approach to managing sustainability issues, and we intend to continue publishing our sustainability report annually.

In this report, the term "including," and any variation of such term, means "including without limitation." The use of the word "or" in this report is not exclusive. Unless this report indicates otherwise or the context otherwise requires, the terms "we," "our," "our company," "the company" and "us" refer to Crown Castle International Corp. and its subsidiaries. In addition, unless the context suggests otherwise, references to "US" are to the United States of America and Puerto Rico, collectively.

Reporting guidelines

We prepared this report leveraging as guidance (1) the Task Force on Climate-related Financial Disclosures (TCFD) framework, (2) the Sustainability Accounting Standards Board (SASB) standards for Real Estate, Telecommunication Services and Engineering and Construction Services, and (3) the revised Universal Global Reporting Initiative (GRI) Standards.

In 2023, we engaged with internal and external stakeholders and conducted a benchmarking of external information (or sustainability materiality assessment) to inform our sustainability priorities. The process and results of the sustainability materiality assessment are described in the Materiality Assessment included on our ESG website. The topics covered in this report were defined based on the results of the materiality assessment.

The terms "material" and "materiality" as used in the context of this report, including the ESG website, ESG data tables, indices, and in our materiality assessment, are different from such terms as used in the context of filings with the Securities and Exchange Commission (SEC). Issues deemed material for purposes of this report, the ESG website, the indices and the Materiality Assessment may not be considered material for SEC reporting purposes.

Reporting uncertainties

Nonfinancial information contained in this report, including fuel and energy consumption, GHG emissions calculations and waste calculations, is subject to measurement uncertainties resulting from limitations inherent in the nature and the methods used for determining such data. The selection by management of different but acceptable measurement techniques could result in materially different measurements. Many of the standards and metrics used in this report continue to evolve, and the precision of different measurement techniques may also vary. Calculations and statistics included in this report are in part dependent on the use of estimates and assumptions based on historical levels and projections, and are therefore subject to change and should not be considered guarantees.

Disclaimer

This report contains forward-looking statements and information about our activities and expectations. Statements that are not historical fact are identified as forward-looking statements. In addition, words such as "estimate," "anticipate," "project," "plan," "intend," "believe," "expect," "potential," "predicted," "continue," "likely," "target," "seek," "goal," "will," "may," "aim," "should," "maintain," "focus," "position," and any variations of these words and similar expressions are intended to identify forward-looking statements.

This report also contains information that is based on a variety of third-party sources, reports and publications ("Third-Party Data"). The Third-Party Data used in this report was not prepared on behalf of Crown Castle. While we are not aware of any misstatements in such Third-Party Data, we make no representation as to the accuracy or completeness of the information contained in the Third-Party Data.

Such forward-looking statements should, therefore, be considered in light of various risks, uncertainties and assumptions, including prevailing market conditions, risk factors described in our most recent Annual Report on Form 10-K and Quarterly Reports on Form 10-Q filed with the SEC and other factors. Should one or more of these risks or uncertainties materialize, or should any underlying assumptions prove incorrect, actual results may vary materially from those expected. Forward-looking statements in this report speak only as of the date they were made, and we do not undertake any obligations to update any forward-looking statements or Third-Party Data, whether as a result of new information, future events or otherwise.

Our filings with the SEC are available through the SEC website at www.sec.gov or through our investor relations website at investor.crowncastle.com.

We use our investor relations website to disclose information about us that may be deemed to be material. We encourage investors, the media and others interested in us to visit our investor relations website from time to time to review up-to-date information or to sign up for email alerts to be notified when new or updated information is posted on the site.