

SUSTAINABILITY DATA METRICS

Below is a consolidated set of sustainability metrics aligned with various reporting standards for the last five years that demonstrate our broad impact on society. As our sustainability program continues to mature, we look forward to disclosing additional metrics that align with our strategy and values.

IMPACT ON SOCIETY

UNIT

2020

2021

2022

2023

2024

FINANCIAL CLIMATE CHANGE-RELATED REVENUES

Renewable energy infrastructure solutions revenues ¹	Million USD	\$1,305	\$1,825	\$3,779	\$6,170	\$7,846
Emergency restoration services revenues ²	Million USD	\$444	\$452	\$331	\$310	\$654

RENEWABLES

CONSTRUCTION

Utility-scale wind and solar power constructed ³	Installed capacity, MW	—	6,587	4,591	3,276	10,330
Utility-scale battery storage constructed ⁴	Installed capacity, MW	50	1,009	436	1,026	1,577
Avoided emissions enabled (estimate) ⁵	Million metric tons CO ₂ e	—	6.7	5.0	3.1	7.9

EV CHARGING INFRASTRUCTURE

EV charging	Installed capacity, MW	—	—	30	33	30
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ENVIRONMENTAL (PLANET)

UNIT

2020

2021

2022

2023

2024

ENERGY CONSUMPTION

DIRECT ENERGY CONSUMPTION (SCOPE 1), VEHICLE FUEL

Diesel fuel	TJ	4,851	5,605	7,348	7,994	7,680
Gasoline	TJ	2,500	2,776	3,419	3,634	3,689
Liquefied natural gas (LNG)	TJ	56	59	84	72	97
Aviation fuel	TJ	271	284	334	360	190
Vehicle fleet energy consumption, total	TJ	7,678	8,724	11,185	12,060	11,656

FACILITY ENERGY USE

Natural gas ⁶	TJ	26.5	26.2	33.7	41.6	143.8
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FACILITY-PURCHASED ELECTRICITY

Indirect energy consumption (Scope 2), facility-purchased electricity ⁶	TJ	27.1	35.3	59.8	71.6	119.2
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ENVIRONMENTAL (PLANET)

UNIT

2020

2021

2022

2023

2024

TOTAL ENERGY CONSUMPTION

Scope 1 energy consumption	TJ	7,705	8,750	11,219	12,102	11,800
Scope 2 energy consumption	TJ	27	35	60	72	119
Scope 1 and 2 energy consumption, total	TJ	7,732	8,786	11,279	12,173	11,919

TOTAL ENERGY INTENSITY

Scope 1 energy intensity	KJ/USD revenue	688	674	657	580	498
Scope 2 energy intensity	KJ/USD revenue	2.4	2.7	3.5	3.4	5.0
Scope 1 and 2 energy consumption, total	KJ/USD revenue	690	677	661	583	503

GREENHOUSE GAS (GHG) EMISSIONS

VEHICLE FUEL

Diesel fuel	Metric tons CO ₂ e	362,763	419,154	549,122	597,396	573,984
Gasoline	Metric tons CO ₂ e	185,540	206,031	253,604	269,550	273,622
Liquefied natural gas (LNG)	Metric tons CO ₂ e	3,184	3,356	4,794	4,120	5,820
Aviation fuel	Metric tons CO ₂ e	20,161	21,154	24,850	26,793	14,131
Vehicle fleet emissions, total	Metric tons CO₂e	571,648	649,694	832,370	897,859	867,557

FACILITY ENERGY USE

Natural gas	Metric tons CO ₂ e	1,333	1,317	1,700	1,965	7,280
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FACILITY-PURCHASED ELECTRICITY

Scope 2 CO ₂ emissions, location-based	Metric tons CO ₂ e	3,008	3,469	6,336	8,098	12,865
Scope 2 CO ₂ emissions, market-based	Metric tons CO ₂ e	3,008	3,469	5,745	7,546	12,337

TOTAL DIRECT & INDIRECT EMISSIONS

Scope 1 emissions	Metric tons CO ₂ e	572,981	651,011	834,070	899,824	874,837
Scope 2 emissions, market-based	Metric tons CO ₂ e	3,008	3,469	5,745	7,546	12,337
Scope 1 and 2 emissions, total	Metric tons CO₂e	575,989	654,480	839,815	907,370	887,174
Offset emissions (Scope 1)	Metric tons CO ₂ e	552	1,547	2,808	1,560	1,599

ENERGY & EMISSIONS INTENSITY

Scope 2 energy intensity	g CO ₂ e/MJ	111.0	98.3	96.1	105.4	103.5
Vehicle fleet emissions intensity	g CO ₂ e/USD revenue	51.0	50.1	48.8	43.0	36.6
Scope 1 CO ₂ emissions intensity, total	g CO ₂ e/USD revenue	51.1	50.2	48.9	43.1	37.0
Scope 1 and 2 CO₂ emissions intensity, total	g CO₂e/USD revenue	51.4	50.4	49.2	43.5	37.5

SCOPE 3 GREENHOUSE GAS EMISSIONS

Category 3: Fuel and Energy Related Activities	Metric tons CO ₂ e	—	—	—	214,325	192,463
Category 6: Business Travel (estimated)	Metric tons CO ₂ e	13,307	16,429	20,359	29,125	28,209
Category 7: Employee Commuting (estimated)	Metric tons CO ₂ e	41,227	52,561	54,385	65,738	117,945
Category 8: Upstream Leased Assets ⁷	Metric tons CO ₂ e	—	—	—	12,694	17,639

ENVIRONMENTAL (PLANET)

UNIT

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PROGRESS TOWARD CLIMATE COMMITMENTS

RENEWABLE ENERGY⁸

Renewable energy installed since 2021, cumulative	GW	—	—	—	17.0	28.9
Progress towards 2035 goal (100 GW installed)		—	—	—	17.0%	28.9%

SCOPE 1 CO₂ INTENSITY

Scope 1 emissions intensity	g CO ₂ e/USD revenue	—	—	—	43.1	37.0
Emissions intensity reduced since 2019		—	—	—	20.0%	31.4%
Progress toward 2040 goal (30% reduction)		—	—	—	67%	105%

PROPERTIES⁹

Facility electricity usage covered by renewable energy certificates (REC) purchases		—	—	—	100%	100%
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OTHER TAILPIPE EMISSIONS

Nitrogen oxides (NOx)	Metric tons	975	1,101	1,084	984	865
Sulfur oxides (SOx)	Metric tons	5.1	5.3	4.7	4.2	4
Particulate matter (PM10)	Metric tons	78	91	90	82	69
Nitrogen oxides (NOx) emissions intensity	g NOx/million USD revenue	87	85	63	47	37
Sulfur oxides (SOx) emissions intensity	g SOx/million USD revenue	0.46	0.41	0.28	0.20	0.17
Particulate matter (PM10) emissions intensity	g PM10/million USD revenue	7.0	7.0	5.3	3.9	2.9

WATER

Total water intake, Quanta facilities ¹⁰	Thousand gallons	24,136	30,390	36,145	39,785	51,650
Water intensity, Quanta facilities	Gallons/thousand USD revenue	2.15	2.34	2.12	1.91	2.18
Quanta facilities in water stressed areas ¹¹		—	—	—	—	13%

WASTE

HAZARDOUS WASTE

Electronic waste, recycled	Pounds	1,347	4,365	8,592	28,363	1,999
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NON-HAZARDOUS WASTE

Used engine oil	Gallons	—	—	71,040	76,290	78,801
Recycled project materials from large projects	Pounds	—	—	—	—	2,256,131

BIODIVERSITY

Total area, Quanta facilities ¹²	Acres	—	—	7,865	8,507	8,446
Total area impacted, major transmission projects ¹³	Acres	—	—	49,785	79,580	79,580
Total area impacted, major pipeline projects ¹³	Acres	—	—	22,975	9,085	9,090
Total area impacted, major fiber projects ¹³	Acres	—	—	—	—	12,605

SOCIAL (PEOPLE)

UNIT

2020

2021

2022

2023

2024

HEADCOUNT

HEADCOUNT BY REGION¹⁴

U.S.	29,731	36,845	40,069	50,606	57,149
Canada	3,720	5,264	4,936	4,147	3,828
Australia	660	812	1,535	1,078	1,074
Rest of the world, total	1,686	782	722	558	462
Approximate number of employees, total	35,797	43,703	47,262	56,389	62,513

DIVERSITY (U.S. ONLY)

EMPLOYEE DIVERSITY¹⁴

Female employees as share of total workforce	9%	10%	10%	10%	11%
Female employees in management and professional roles	14%	14%	14%	14%	17%
Overall employee ethnic diversity	27%	32%	38%	37%	39%
Ethnic diversity in management and professional roles	22%	24%	29%	31%	29%

DIVERSE PROCUREMENT

Diverse vendor spend ¹⁵	Million USD	\$679	\$742	\$1,117	\$1,377	\$1,735
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DIVERSE VENDORS

Total unique diverse vendors used	—	—	1,935	1,992	2,221
Women-owned business	—	—	601	563	578
Veteran-owned business	—	—	133	128	127
Small disadvantaged business	—	—	326	324	424
8(a) small business	—	—	900	1,105	1,184
Minority-owned business	—	—	358	334	324

COMMUNITY

Community impact spend	Million USD	—	—	\$7.7	\$9.6	\$12.0
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SAFETY

"Stuff That Kills You" (STKY) actual rate ¹⁶	0.210	0.163	0.125	0.112	0.128
Total number of automated external defibrillators (AEDs) deployed to job sites	10,278	11,156	13,152	16,738	19,549
Total number of lives saved due to deployed automated external defibrillators (AEDs)	29	33	39	43	46
Total recordable incident rate (TRIR)	—	0.98	0.89	0.90	0.85
Consolidated lost time injury rate (LTIR)	—	0.26	0.24	0.23	0.20

SOCIAL (PEOPLE)

UNIT

2020

2021

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TRAINING

NORTHWEST LINEMAN COLLEGE¹⁷

Veterans trained (campus career programs)	20%	19%	16%	13%	13%
Minority students trained (campus career programs)	29%	31%	30%	34%	37%
Female students trained (campus career programs)	1%	1%	1%	1%	1%
Total number of students trained, apprenticeship programs	4,678	5,072	5,828	6,552	5,199
Total number of students trained, career training programs	2,249	2,666	2,649	2,548	2,207
Total number of students trained (campus training programs)	6,927	7,738	8,477	9,100	7,406

QUANTA ADVANCED TRAINING CENTER¹⁸

Total number of students trained	801	1,341	1,298	1,563	1,312
Total number of training days	12,453	19,658	24,293	26,137	24,100

STRONGHOLD UNIVERSITY¹⁹

Total number of students trained	1,697	5,258	7,421	7,937	8,649
Total number of training days	2,122	6,573	5,566	9,327	9,213

GOVERNANCE (PRINCIPLES)

2020

2021

2022

2023

2024

OPERATING COMPANY SUSTAINABILITY

Average operating company sustainability metric score ²⁰	—	—	56.8	61.4	61.7
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- ¹ Includes infrastructure solutions for customers involved in the renewable energy industry. Services include engineering, procurement, new construction, repowering, and repair and maintenance for generation facilities, such as utility-scale wind, solar generation, hydropower generation, and battery storage facilities, as well as engineering and construction services for substations, switchyards, transmission, and other electrical infrastructure needed to interconnect renewable energy generation and battery storage facilities.
- ² Emergency restoration services generally includes, among other things, the repair of infrastructure damaged by extreme weather events, including hurricanes, severe storms, snowstorms, tornadoes, wildfires, and inclement weather.
- ³ Data includes delivered projects only, including wind repower projects.
- ⁴ Data includes delivered projects only.
- ⁵ Estimated total annual emissions avoided from the solar and wind projects Quanta completed and delivered in each calendar year. The calculation is a high-level estimate, taking into account capacity factors for wind and solar, annual generation, and displacement using the U.S. national grid factor.
- ⁶ Natural gas and electricity consumed on-site at Quanta-owned and finance-leased facilities. Under the financial control approach, Quanta-owned and finance-leased facilities are reported as Scope 2, whereas purchased electricity and natural gas from facilities under operating leases are reported as Scope 3, Category 8.
- ⁷ Purchased electricity and natural gas from facilities under operating leases
- ⁸ This goal is applicable to balance of plant renewables construction projects only and includes new wind, wind repower, solar, battery storage, EV charging, hydrogen, and RNG projects. Only projects delivered within a calendar year are considered. Front-end service projects that don't include full construction as well as substation and transmission projects that connect to renewable facilities are not considered part of this goal.
- ⁹ This goal is applicable to Quanta North American operations only.
- ¹⁰ Consumption of water at Quanta-owned and -leased facilities
- ¹¹ Water-stressed areas are defined as regions experiencing either "High" or "Extremely High" baseline water stress as classified by the World Resources Institute's Aqueduct Water Risk Atlas tool.
- ¹² Quanta-owned and -leased facilities
- ¹³ Projects greater than 100 miles in length
- ¹⁴ Representation data as of November 30 of each calendar year
- ¹⁵ A diverse vendor is generally a business that is at least 51% owned and operated by an individual or group that is part of a traditionally underrepresented or underserved group.

¹⁶ "STKY actual events" are events that are considered life-threatening, life-altering, or life-ending. STKY actual rate equals total number of STKY actual events, multiplied by 1,000,000, and divided by total work hours. Includes serious injuries and fatalities

¹⁷ Includes training of both Quanta and non-Quanta-based employees.

¹⁸ Training of Quanta employees only

¹⁹ Stronghold University opened in May 2020.

²⁰ Score is out of 100.

Estimates & Assumptions

The preparation of the information included in this report, including, among other things, emissions and energy usage data, workforce data, and specific project metrics, requires the use of estimates and assumptions. As a result, such information may be inaccurate, and there is no assurance that such information will not need to be revised in connection with our publication of any future reports. Moreover, statements in this report may be based on standards or methodologies that are still developing and for which internal controls and processes are continuing to evolve. Additionally, Quanta's methodology for determining any such information may not be comparable to the methodology utilized by other companies or third parties. Further, certain statements are based on third-party data, estimates, or standards which Quanta has not independently verified or reviewed. While estimates and assumptions used are believed to be reasonable at the time of preparation, the inclusion of projections and estimates in this report should not be regarded as guarantees. Our disclosures based on any standards may change due to revisions in framework requirements, availability of information, changes in governmental policies, or other factors which may be beyond control. The inclusion of projections and estimates in this report should not be regarded as an indication that Quanta considered or considers such information to be a reliable prediction of future events.

The information contained in this report has not been audited by an independent auditor, and Quanta has only obtained a limited assurance review for our Scope 1 and 2 emissions greenhouse gas inventory. This report is prepared as a reference tool, and Quanta may elect to modify the format or discontinue publication of such reports at any time without notice.

Materiality

The discussion of materiality or significance, including discussion of material or significant ESG matters, is not an indication that such information, topics, matters, or issues are necessarily material to Quanta's investors under the federal securities law's definition of materiality in general or pursuant to disclosure or reporting requirements in connection with the rules and regulations of the Securities and Exchange Commission.