



# ENVIRONMENT

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Our Environmental efforts align with:





# OUR STRATEGY

At Weatherford, we strive to uphold our responsibility as caretakers of the environment by utilizing technologies, products, and services that enable both our customers and our own operations to minimize their environmental footprint, mitigate risks, and promote sustainability.

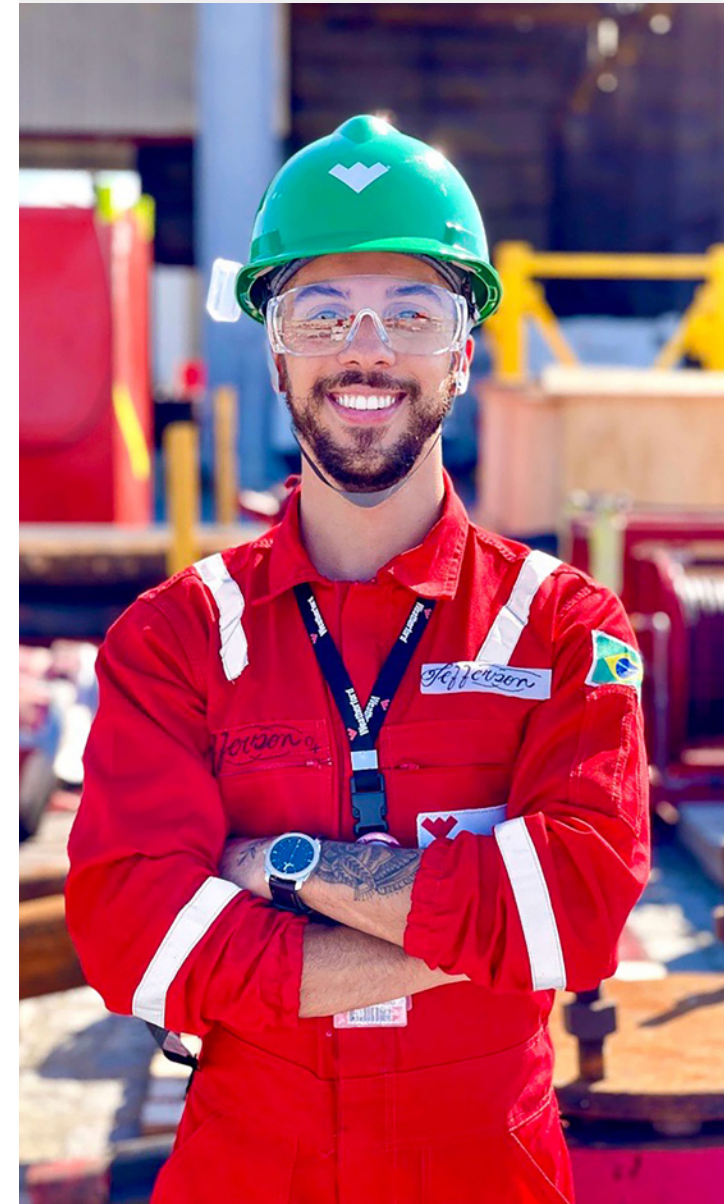
Our endeavors primarily revolve around three key pillars: sustainability reporting, decarbonization of our operations, and strengthening our energy transition offerings. As the world focuses on preserving our planet and combating climate change, we are dedicated to managing the environmental impact of our activities while assisting our customers in transitioning to a lower carbon economy and renewable energy sources.

## 2022 Progress

- Developed a climate policy within our enterprise ESG Policy
- Launched our Climate Risk & Opportunities Assessment in line with the TCFD Framework
- Initiated the development of an internal controls framework for climate reporting
- Procured and configured Emissions Accounting and ESG disclosure software
- Expansion of 2019-2022 climate data sets for activity coverage and categories reported in the previous year
- >300 Environmental Improvement Projects reported across our locations

## 2023 Goals

- **Completion of our Climate Risk Assessment, Scenario Analysis, and Financial Impact Analysis project**
- **Enrollment in the UNGC Climate Ambition Accelerator Program**
- **Furthering climate-related screening, measurement, and report of supplier relationships through our Supply Chain Risk Management program**
- **Where applicable, engaging in readiness assessments related to forthcoming regulatory climate disclosures**
- **Simplification of the Environmental management system and re-alignment with ISO 14001:2015**





# ENVIRONMENTAL SUSTAINABILITY ORGANIZATIONAL STRUCTURE

Weatherford's Board of Directors has established the Safety, Environment and Sustainability (SES) Committee to support the Board in overseeing and enhancing the Company's policies, programs, and initiatives related to quality, health, safety, security, environment, and sustainability.

The SES Committee's primary objectives and responsibilities include the following:

- Addressing the ongoing global energy challenges in a sustainable manner
- Oversight of the Company's Environmental policies
- Review of quarterly updates on the Company's environmental performance, delivered by the Executive Leadership Team

For further details about the SES Committee, please refer to its [Charter](#).

Active participation across all levels of Weatherford's organization plays a crucial role in the Company's sustainability journey. The governance of environmental sustainability begins with the Board's oversight and extends to the implementation process at the local level. Additional detail regarding our overall ESG governance structure may be reviewed in the [Our Approach to ESG](#) section of this report.

## OUR SUSTAINABILITY TEAM

In late 2021, we established a dedicated Sustainability team to make significant progress across our overall ESG strategy and actions. Through the first year, their primary focus was to benchmark industry performance, expand baseline data metrics, confirm and/or improve data accuracy and completeness of previous climate reporting, and begin establishing an internal controls. Throughout 2022, the function spearheaded the Company in achieving notable milestones.

Last year, our Sustainability and Finance functions embarked on a significant endeavor to formalize a project team and set objectives to execute our Climate Risk Assessment, Scenario Analysis, and Financial Impact Analysis. The objective was to gain a deeper understanding of climate-related risks and opportunities, their impact on financial planning, and develop strategies to mitigate them effectively. In 2023, our goal is to complete the project in alignment with the guidelines established by the Task Force on Climate-related Financial Disclosures (TCFD), which lays out the framework for assessing climate risks and opportunities, and their financial implications.

By integrating the insights gained from this analysis, Weatherford aims to strengthen their strategic decision-making, ensuring that climate-related risks and opportunities are appropriately considered in its financial planning and analysis activities.

## KEY ACTIVITY: NET-ZERO FOUNDATION PROGRAMMING WORKSHOP



In 2022, we organized a collaborative Net-Zero workshop to bring together various departments and functions within our organization. With the participation of 40 leaders from different parts of the organization, we engaged a reputable multinational consulting firm to support our facilitated workshop. The primary objective was to identify opportunities to enhance our climate programming across several key areas:

- Governance
- Ambition
- Strategy
- Enterprise Transformation
- Engagement and Influence
- Supply Chain
- Finance
- Innovation Processes

The workshop served as a platform to engage our leaders, leverage their expertise, and collectively identify opportunities to drive positive change within our organization. The outcome of this workshop was the development of a foundational approach that will support our ongoing commitment to sustainability and serve as a guiding framework as we strive toward achieving our Net-Zero goals.



As we envision a sustainable future, a fundamental element of our commitment is the pursuit of Net-Zero greenhouse gas (GHG) emissions by 2050. As we progress through 2023, we remain steadfast in our dedication to deploying a science-based roadmap that will guide us toward achieving this ambitious objective. This roadmap will encompass not only the long-term vision but also incorporate short-term targets and deliver explicit Scope 1 and 2 projects to deliver our decarbonization aspirations and ensure measurable progress along the way.

**Notable Progress in 2022**

- The release of Weatherford's inaugural Sustainability Report
- Cross-functional Net-Zero Foundational Programming Workshop to identify opportunities to strengthen our Net-Zero approach across Finance, Supply Chain, Innovation, and Enterprise programs
- Enhancing the knowledge and remit of Carbon Committee members
- Introducing digital automation to assist in improving climate data management
- Significant expansion of climate data in ESG disclosures
- Building end-to-end life cycle assessment capabilities across the business
- Continuing to actively monitor regulatory climate developments, such as the EU CSRD and SEC requirements, to ensure compliance with existing and forthcoming requirements

**GLOBAL ENVIRONMENTAL NETWORK**

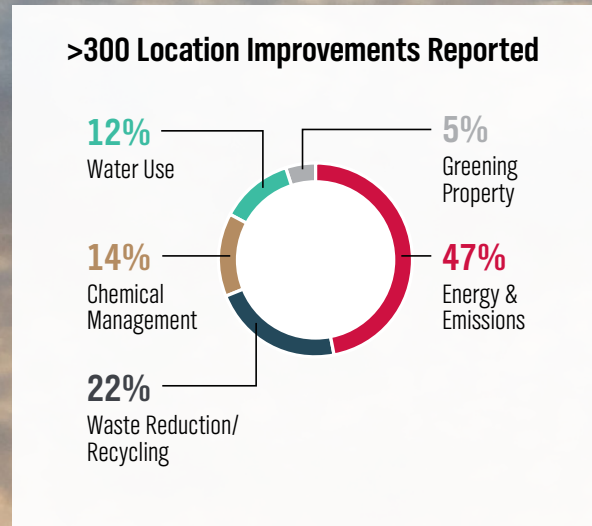
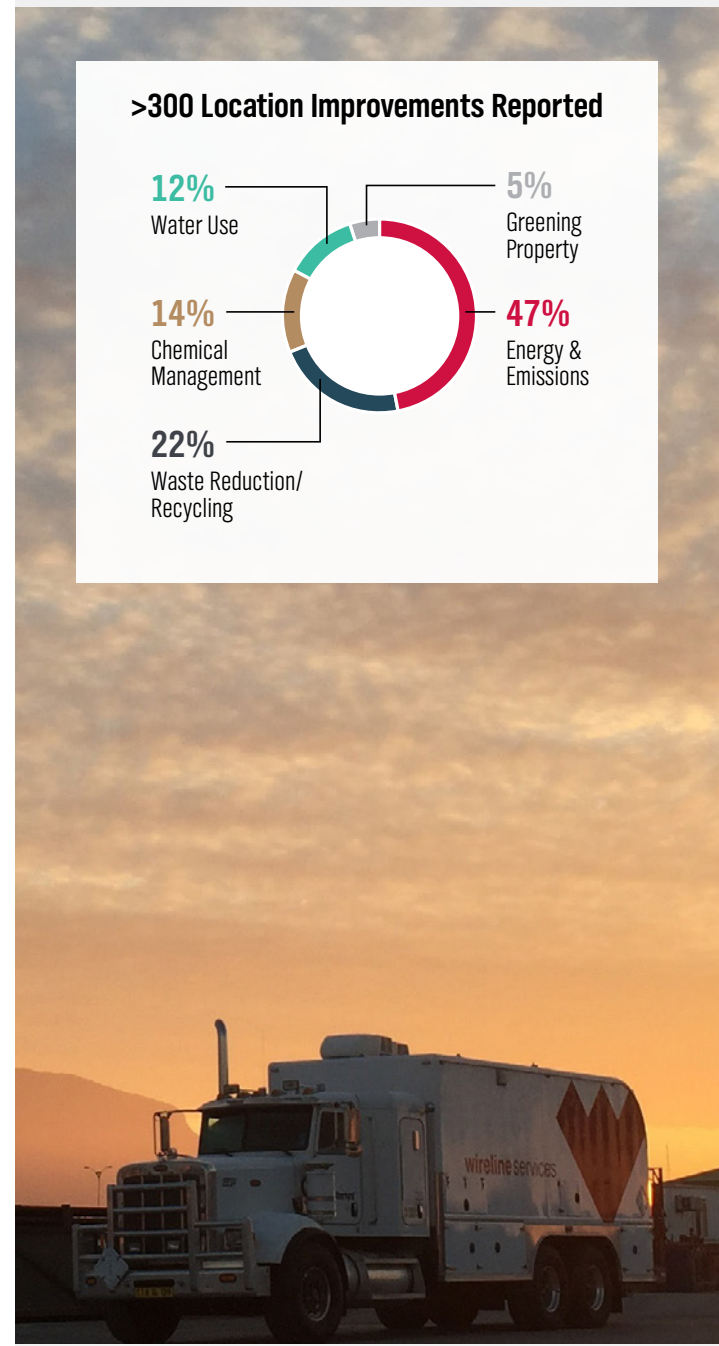
Our global Health, Safety, Security, and Environment (HSSE) department maintains a team of professional environmental, safety, and security members across our geographies. This team is responsible for the operational day-to-day environmental activities at our locations, and maintenance of our HSSE programming, in conjunction with respective stakeholder groups, such as the Sustainability team for environmental matters.

The global Environment and Sustainability teams actively partner on climate-related initiatives and continuous improvement efforts.

**CROSS-FUNCTIONAL EMPLOYEE COMMITTEES**

In the past year, Weatherford took steps to improve knowledge sharing across departments and geographies by continuing to advance Carbon Committees and Geozone (GZ) ESG Committees.

The primary objective of the **GZ ESG Committees** is to foster collaboration and facilitate the exchange of information. By establishing these committees, we aim to enhance cross-functional cooperation and ensure effective communication regarding ESG initiatives throughout our organization. Through these committees, we also continue to expand our understanding of geographical risks and opportunities related to forthcoming regulation, as well as areas such as climate-related taxes, tariffs, rebates, and incentives.





Throughout 2022, our **Carbon Committees** continued to build momentum and focus on the carbon footprint of three core areas: our facilities, our sourcing, as well as product lines and our fleet. In addition to expanding competencies around Scope 1, 2, and 3 GHG emissions, some of their notable achievements are highlighted below and throughout this report.

## 2022 Carbon Committee Initiatives

### Facilities Committee

- Successful identification of over 300 facility environmental improvements implemented or initiated in 2022
- Deployment of a facility-based Sustainability Hazard Hunt campaign to engage employees at all levels, raise awareness of key sustainability topics, and drive environmental improvements
- Launch of a Facility Improvement Tracker project to improve the management of infrastructure profiling, ideation consolidation, and approval workflows; The project is expected to materialize in 2023



### Sourcing Committee

- Support the mapping of emissions in our upstream value chain to deliver new baseline data for multiple Scope 3 metrics, aiming to establish a comprehensive understanding of the environmental impact of our supply chain

### PL & Fleet Committee

- Development of a comprehensive summary of sustainability wins across our product lines and geographies
- Adoption of end-to-end Life Cycle Assessment (LCA) methodology in alignment with ISO 14040:2006 framework and increasing competencies for a cross-section of employees
- Designing a phased-in approach to increase the quantification of sustainability metrics into our product development and commercialization workflows

## ADVANCING SUSTAINABLE DECISIONS IN OUR PRODUCT PORTFOLIO



The Product Line and Fleet Carbon Committee conducted a comprehensive LCA project, which served as a use case for LCA training provided to nearly 40 employees from Research and Development, Manufacturing, Operations, Continuous Improvement, and Digital Automation teams.

The LCA training is particularly noteworthy as it equips our employees with a deeper understanding of the environmental impact of their work. This knowledge empowers them to make more sustainable choices at Weatherford.

For 2023, Weatherford plans to maintain the engagement of our Carbon Committees in various decarbonization pathway projects, including those that will be announced as part of our Net-Zero 2050 Road Map. This includes improving tracking and quantification of facility improvement impacts, identifying decarbonization opportunities in the supply chain, and further assessing the environmental impact of our products and technologies to drive further improvements in their commercialization process.

We would like to express our thanks to the members and leaders of these voluntary committees and express gratitude for their continued engagement, passion, and drive to support our sustainability efforts at Weatherford.



# ENVIRONMENTAL MANAGEMENT SYSTEM

Our Operational Excellence and Performance System (OEPS) integrated management system serves as the foundation for our enterprise-wide programming and commitments towards environmental sustainability. As an integral part of OEPS, our Environmental management system encourages our employees to actively engage in better managing waste, water, land, and energy resources.

The program outlines environmental controls, which are in place to support compliance with all relevant regulatory and legal requirements and with standards set by organizations such as the [International Organization for Standardization](#). The attainment of **16 ISO 14001:2015 certifications** for our management system across 13 diverse countries exemplifies our commitment to environmental sustainability. These certifications serve as a testament to our dedication to implementing and maintaining robust environmental management practices worldwide. By adhering to these environmentally conscious standards, we empower ourselves to make informed decisions that directly contribute to the long-term sustainability of our organization.

At a global level, we have developed policies, standards, and requirements that guide our operations across the **core principles within our sustainability strategy**. These include:

<p><b>Energy</b></p> <p>Managing energy consumption and reducing emissions associated with our operations</p>	<p><b>Emissions</b></p> <p>Monitoring, controlling, and reducing emissions to ensure compliance with relevant regulations and industry standards</p>	<p><b>Water</b></p> <p>Responsible water usage and conservation, minimizing our impact on this vital resource</p>	<p><b>Waste</b></p> <p>Waste management, emphasizing reduction, recycling, and responsible disposal practices</p>
<p><b>Materials</b></p> <p>Efficient and sustainable use of materials, as well as the adoption of eco-friendly alternatives</p>	<p><b>Land Impact</b></p> <p>Minimizing disruption, protecting natural habitats, and promoting sustainable land use</p>	<p><b>Biodiversity</b></p> <p>Preserving and protecting biodiversity, conservation efforts, and minimizing our impact on ecosystems</p>	<p><b>Chemicals</b></p> <p>Safe handling, storage, and disposal of chemicals, emphasizing compliance with regulatory requirements and the promotion of environmentally friendly alternatives</p>

At the heart of our operations, we embrace an initiative-taking approach to risk assessment that covers a wide spectrum, addressing both risks specific to individual sites and those that have implications across our entire enterprise. Each of our facilities creates an annual Environmental Improvement Plan, which centers around reducing water usage, waste generation, energy consumption, and the potential for spills. To ensure compliance with both Company policies and local regulatory requirements, we have established formal and informal procedures for environmental inspections and audits.

Comprehensive training programs support our commitment to health, safety, and environmental excellence. We equip our employees with the necessary skills and knowledge to uphold our environmental standards through initiatives such as the Weatherford Competency Assurance Program and ongoing awareness sessions.

To ensure the effectiveness of our actions and drive continuous improvement, we have established a rigorous process to measure and evaluate our performance. Through this process, we gather and analyze comprehensive environmental data to assess the impact of our programs and initiatives. We have also placed a significant focus on enhancing the completeness of our data sets to promote accuracy. In 2022, we expanded our reportable data coverage to encompass more than 90% of our business activities based on 2022 revenue. Additionally, we began implementing internal controls and introduced software to foster the automation of data collection and calculation of emissions accounting.



# ENVIRONMENTAL ENTREPRENEURS AWARDS

Annually, we recognize projects submitted to our Environmental Entrepreneurs Award program. The projects demonstrate and support our ESG strategies and commitment to long-term sustainable success. We thank everyone who participates in this annual program and congratulate our 2022 winners for their contributions to our sustainability efforts.

AWARD	MOST INNOVATIVE ENVIRONMENTAL PROJECT	RAISING PARTICIPATION, COMMUNICATION, AND AWARENESS	MOST POTENTIAL FOR POSITIVE FINANCIAL IMPACT	BEST ENVIRONMENTAL IDEA
1 <sup>st</sup>	<p><b>Dry Booth Operation for Painting with Activated Carbon Filters</b> Villahermosa, Mexico</p> <p>The team sought to reduce particulate and volatile organic compound emissions from the facility's painting operation to support the Company's drive to Net-Zero. The project included installing an activated carbon filter system on the paint booth, which reduced particulate and volatile organic compound emissions by 85%.</p>	<p><b>Environmental Volunteering</b> Bogotá, Colombia</p> <p>The local environmental agency recognized the team and Company for participating in various sustainability activities in Bogotá, such as gardening, tree planting, ecological walks, recycled material projects, reforestation, cleaning of water sources, and conservation of flora and fauna.</p>	<p><b>Wastewater Collection System</b> Tianjin Base, China</p> <p>The team retrofitted former electrical cable trenches to wastewater trench drains and pit collection systems. This increased the volume of wastewater collection capacity, thereby reducing transportation costs associated with disposal. It also saved space in the workshop and avoided the expense of constructing and purchasing a new wastewater treatment system.</p>	<p><b>Cutting, Heating, and Brazing Fuel Gas</b> San Antonio, USA</p> <p>The facility was looking for an alternative cutting fuel to improve the time it takes to remove bearings inside the equipment. Thus, the facility trialed a new generation of cutting fuel, which is more economical, safer, and heats quicker than other traditional cutting fuels, such as acetylene. The fuel reduces fuel costs by up to 50% and burns clean with no soot or smoke. In addition, it reduced the bearing removal time from 45 minutes to 15 minutes.</p>
2 <sup>nd</sup>	<p><b>Sun Light Bulb</b> Villavicencio, Colombia</p> <p>Our colleagues installed solar-powered reflectors on the roofs of portable Frac and Lab booths operated in the field, 24 hours a day. This resulted in the elimination of emissions from diesel generators previously providing power for the lighting.</p>	<p><b>Leave Your Footprint Campaign</b> Villavicencio, Colombia</p> <p>The team in Colombia, working with the environmental authority, the community, educational institutions, and our customers, planted trees in various locations throughout the year. The local Mayor's office recognized our colleagues for the positive impact they made.</p>	<p><b>Energy Reduction — Analyze and Act</b> Aberdeen, Scotland</p> <p>In collaboration with a third-party energy management consultant, our team worked to reduce our Aberdeen facilities' electric and natural gas consumption. By implementing best practices and reviewing and sharing performance monthly, these efforts led to a \$120,000 savings in electricity alone for year-over-year January — October 2022.</p>	<p><b>Solar Water Heater in Wash Bay</b> Reynosa, Mexico</p> <p>This team evaluated the replacement of an electric heater used to heat water in the wash bay with a solar water heater. The project included comparing the different types of water heaters (gas, electric, and solar). Their research shows that solar performed well in various categories, including energy consumption, maintenance costs, CO<sub>2</sub> emissions, and heat emissions. In addition, solar is a close second to gas heaters regarding the purchase price.</p>
3 <sup>rd</sup>	<p><b>Electronic Permit to Work</b> Mina Abdulla, Kuwait</p> <p>By utilizing our Company's internal Routing System, an electronic Permit to Work process was developed at no cost to Weatherford. This resulted in reduced paper consumption, reduced time involved in the approval process, and enhanced traceability by creating unique identification numbers for each permit to work.</p>	<p><b>Zero Waste to Landfill</b> Aberdeen, Scotland</p> <p>We recorded zero Waste-to-Landfill in a month for the first time in April 2022. This was a direct result of a culture inspired by collaboration and competition, which includes a focused discussion on waste segregation in monthly HSSE meetings, the sharing of waste disposal costs with employees, the use of posters advising how to segregate waste, and a review of progress for each product line.</p>	<p><b>Bioremediating Parts Washer System</b> San Antonio, USA</p> <p>This team purchased biological/microbial parts SmartWasher units to replace the traditional solvent-based parts washer units rented from third-party suppliers. The SmartWasher contains a multi-layer filter mat containing microbes that allow bioremediating in a circular system. The cost savings are expected to be approximately \$21,000 annually.</p>	<p><b>Sunny Day</b> Ortona, Italy</p> <p>The team evaluated the implementation of a photovoltaic shelter that provides covered parking while acting as a charging station for the facility's electric forklifts and cars.</p>



## REPORTING IMPROVEMENTS

To improve reporting accuracy and completeness, we enhanced our emissions accounting capabilities in 2022 through Emissions Accounting and ESG disclosure software. By utilizing codified carbon accounting standards, the latest emission factors, as well as various location and industry-based datasets within the platform, the emission software supported transforming our business data into an auditable carbon footprint, which we believe will further enable our business leaders to make better carbon reduction decisions, measure progress, and support our progressive, investor-grade disclosures aspirations. To promote a traceable emissions baseline, we executed a project to recover Scope 1 and 2 data through financial accounts payable activities dating back to 2019. Additionally, we expanded reporting to include several Scope 3 categories and more detailed tracking and reporting for water and waste streams. Weatherford aims to expand emissions accounting to cover all business activities based on operational control and revenue streams.

We continue to assess climate reporting regulatory readiness, particularly regarding the EU CSRD and SEC requirements. Weatherford initiated the development of an internal controls framework in line with the COSO framework for ESG reporting to ensure robust governance practices. Building on this progress, Weatherford will continue strengthening controls across ESG metrics.

## NEW ENERGY STRATEGY

We are committed to executing our evolving New Energy Strategy. Our technology portfolio enables us to support our customers' efforts to achieve Net-Zero emissions and implement various sustainable initiatives across multiple operations. This demonstrates our capability to assist customers in minimizing their environmental impact by adopting cleaner production methods.

Furthermore, we are actively involved in developing and implementing new energy technologies, including our decades of proven geothermal results, responsible well abandonment solutions, and increased focus in the area of carbon capture, and sequestration (CCS) as well as geothermal projects. These innovative solutions underline our commitment to driving technology differentiation and innovation, just as we have done in the realm of traditional oilfield services. By leveraging our expertise and technology, we are well-positioned to contribute to the transition toward a more sustainable energy landscape. More details on our capabilities can be viewed in the [Sustainable Innovation](#) section of this report.







# CLIMATE RISKS AND OPPORTUNITIES

## 2022 Progress 2023 Goals

- Launched Climate Risk and Opportunities Assessment project in alignment with TCFD
- Developed an internal Climate Risk Assessment Framework
- **Complete financial impact analysis to identify strategic implications and use key outputs to develop tangible metrics and targets**

Weatherford is currently finalizing an assessment of climate risks and opportunities that might impact our business in the future, in alignment with the recommendations outlined by the Taskforce on Climate-Related Financial Disclosures (TCFD). To identify and catalogue risks, we are using a combination of stakeholder interviews, the TCFD risk taxonomy, industry-leading benchmarks, and expert evaluation to identify risks and corresponding mitigation strategies. We are evaluating each risk identified based on inherent risk, the likelihood of occurrence, and the effectiveness of mitigation measures.

The assessment extends beyond normal business strategic planning cycles, covering both physical and transition climate risks across short (0-5 years), medium (6-10 years), and long (11-30 years) time horizons. Initial results indicate the most relevant risks for Weatherford are related to Reputation, Policy and Legal, and Chronic Physical risks. Details on both relevant risks and opportunities can be seen in the tables below. These efforts are enabling us to prioritize risks and take a proactive approach in identifying measures for both mitigation and adaptation as a result of this assessment.

## Relevant Risks by Topic based on current Climate Risk Assessment

	Acute	Chronic
<b>PHYSICAL RISKS</b>	Increased severity of hurricanes leading to damage of facilities in vulnerable geographies that can result in business interruptions	Rising mean temperature impact operations through increased risk of heat waves, causing heat stress in field workers
	Extreme events such as floods, wind, storms, wildfires, etc., causing business interruptions & direct damage to facilities	Increased incidences of drought or water shortages in geographies where Weatherford operates
<b>TRANSITIONAL RISKS</b>	Extreme variability in weather patterns result in disruptions in the global supply chain	
	Difficulty adhering to advancements in emissions disclosure requirements	
	Increased exposure to litigation related to Weatherford's impact on the climate	
	Failed implementation of future climate-based or emissions-reducing technology resulting in significant financial loss	
	Shifting regulations and consumer preferences may lead to increased cost of raw materials	
	Shift in consumer preferences and increased stakeholder concerns impacting oil and gas	
	Inability or difficulty recruiting new and top talent based on sector stigmatization	
	Increased stigmatization of the sector as a result of increased climate awareness	

## Relevant Opportunities by Topic Based on Current Climate Risk Assessment

<b>Resource Efficiency</b>	Reduce emissions through leaner field operations and energy-efficient transportation fleet
	Transition to regionally located suppliers
	Invest in efficiencies in buildings that Weatherford will operate in the long term
<b>Energy Source</b>	Use of low emissions technology
<b>Products and Services</b>	Development or expansion of low-emission products and services
	Development of new products or services through R&D and innovation
	Weatherford can continue enhancing emission-reducing service offerings
<b>Markets</b>	Access to new markets, including CCS and low emission products and services
<b>Resilience</b>	Resource substitution or diversification
	Alternative energy sources and the use of renewable energy

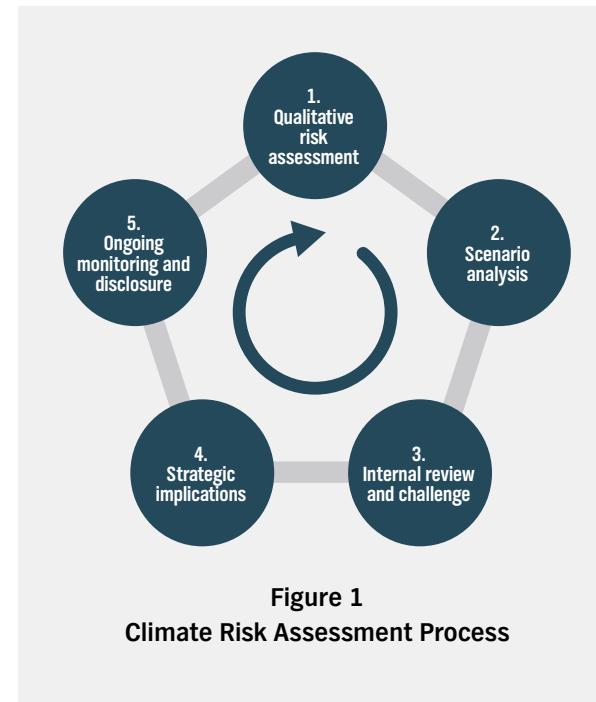


Following the qualitative risk assessment, we are currently performing a physical scenario risk assessment on our manufacturing sites, service centers, storage locations, offices, and key suppliers. This assessment will incorporate two climate-change scenarios – a low and high emissions scenario aligned with the IPCC’s SSP1-2.6 and SSP5-8.5<sup>[1]</sup> – and three time-horizon scenarios, encompassing short, medium, and long-term perspectives. The analysis will specifically focus on physical perils that have previously impacted business operations and those that have the potential for the most significant impact in the future. Additionally, upon completion of the full qualitative risk and opportunity assessment, we are quantifying a selected group of prioritized risks and/or opportunities to understand the potential quantitative impact under various climate scenarios to Weatherford’s business model. Our climate risk assessment process is shown in Figure 1.

We have aligned this new process with our existing Enterprise Risk Management framework and aim to leverage this process each year going forward to continually re-assess the physical and transition risks presented to our business from climate change.

The Company will use the results obtained from these analyses going forward to inform our future decision-making process, ensuring that strategic initiatives are aligned with our climate ambitions. By leveraging these insights, we aim to effectively assess, measure, and mitigate (where possible) risks and capitalize on opportunities to address climate challenges. Furthermore, we intend to use this process to engage with our internal and external stakeholders to identify and realize the opportunities presented by this process to enhance stakeholder value.

We recognize that while we have made considerable advancements in this area, including developing our foundational framework, in 2023, we aim to complete the initial analysis through to strategic implications, utilizing this process to assist in developing tangible metrics and targets for our business. Beyond 2023, our efforts will include continuing to grow our inventory of climate risks and opportunities, climate scenarios, and related strategic impact. We believe that continued focus here will advance our capacity to raise awareness internally, increasing our understanding of the need to pivot our actions in an effort to realize the long-term benefits.



**Figure 1**  
Climate Risk Assessment Process

# ENERGY AND EMISSIONS

2022 Progress	2023 Goals
<ul style="list-style-type: none"> <li>■ Developed a Foundational Programming 2050 Net-Zero approach with input from a cross-section of 40 business leaders across functions</li> <li>■ Introduction of Emissions Accounting Software</li> <li>■ Advancing the remit of Carbon Committees in the areas of Facilities, Sourcing, and Product Lines and Fleet</li> <li>■ More than 140 Energy and Emission projects reported across our locations</li> </ul>	<ul style="list-style-type: none"> <li>■ <b>Define a Tactical Net-Zero 2050 Roadmap with mid-term pathways for Scope 1 and 2 decarbonization</b></li> <li>■ <b>Participation in the UN Global Compact Climate Ambition Accelerator program</b></li> <li>■ <b>Introduction of Emissions Intensity metrics across our Geozones</b></li> <li>■ <b>Reduce the power and cooling energy footprint of equipment in Corporate Data Centers by ~50%</b></li> <li>■ <b>Enrollment in the U.S. DOE Better Climate Challenge</b></li> </ul>

**36%**

**Reduction in Scope 1 and 2 GHG Emissions\***

**6 NEW**

**Categories of Scope 3 Emissions Reported**

\* Compared to baseline year

[1] SSP refers to Share Socioeconomic Pathways, scenarios developed by the Intergovernmental Panel on Climate Change (IPCC) that describe plausible future socio-economic conditions and their potential impact on greenhouse gas emissions, climate change, and related factors.



## MANAGING ENERGY IN OUR OPERATIONS

In our commitment to mitigating both short-term and long-term climate impacts, Weatherford prioritizes energy management in our operations. We strive to reduce energy consumption throughout the entire life cycle of our products and technologies, from design to manufacturing, production, and service delivery. To achieve this, we employ various strategies and practices:

- **Direct Impact Reduction:** Actively seeking opportunities to reduce our direct energy impact by utilizing energy-efficient equipment and implementing measures to minimize waste generation.
- **Indirect Impact Reduction:** Focusing on indirect impact reduction by exploring and adopting more efficient drilling techniques that optimize energy usage.
- **Personnel and Equipment Optimization:** Aiming to minimize energy consumption by utilizing fewer personnel, remote personnel, or equipment wherever feasible. Moreover, we work to reduce equipment operating times on-site, further reducing energy usage.
- **Footprint Optimization:** Continuously seeking opportunities to optimize our environmental footprint. This includes consolidating locations where practical and applying responsible methods for decommissioning facilities.

To ensure effective energy management, we have established comprehensive standards, policies, and training programs. We employ a robust approach to monitor, track, and evaluate our energy usage and emissions. For credibility and accountability, we utilize multiple external standards and methodologies set by reputable organizations such as:

- **IEA, November 2018:** International Energy Agency World Energy Outlook 2018

- **IPCC, 2007:** Climate Change 2007 — Synthesis Report — Contribution of Working Groups I, II, and III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change
- **WRI/WBCSD GHG Protocol, 2015:** Corporate Accounting and Reporting Standard
- **WRI/WBCSD GHG Protocol, 2011:** Corporate Value Chain (Scope 3) Accounting and Reporting Standard
- **US EPA, 2018:** Emissions & Generation Resource Integrated Database (eGRID)

We center our energy management strategy around effectively managing our fuel and electricity consumption. We have identified these as key drivers of energy usage within our operations. Here is how we address them:

- **Fuel:** Our Energy Management OEPS Standard mandates the procurement of highly energy-efficient equipment, including vehicles. To further reduce emissions, our EnergyWise program promotes best practices such as minimizing idling time, adhering to speed limits, and conducting regular maintenance. We also work closely with third-party logistics companies to optimize delivery routes and limit idling at our locations.
- **Electricity:** We prioritize energy-saving initiatives at the facility level. These include the deployment of energy-efficient LED lighting, as well as the implementation of automated lighting and temperature controls. We also utilize capacitor banks and upgraded refrigerant gas equipment where possible to enhance energy efficiency and reduce electricity consumption.





# MANAGING OUR EMISSIONS

Weatherford has made a commitment to achieve Net-Zero greenhouse gas emissions for Scope 1 and 2 by 2050. To fulfill this goal, we continue to enhance our internal processes and controls to measure our environmental impact accurately.

Understanding that we can play a role in addressing climate change and limiting the global temperature rise to 1.5-degrees Celsius, not only are we focused on actioning our Scope 1 and 2 emissions sources, but we also recognize the value our proven portfolio of products, services, and technologies can bring to our customers as they progress in their own climate aspirations.

## SCOPE 1 AND 2 GREENHOUSE GAS EMISSIONS

In 2022, our greenhouse gas emissions related to our direct operations and purchased electricity totaled 159,156 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e). This marks a notable reduction of 36% compared to our baseline year of 2019. We also made significant progress in improving our greenhouse gas intensity. In 2022, our Scope 1 and 2 greenhouse gas intensity decreased by more than 24% to 36.7 metric tons per million dollars of revenue in comparison to our 2019 baseline year. This reduction underscores our commitment to operating more efficiently and minimizing our carbon footprint.

We achieved these reductions by executing improvement projects across our operations. Our Facility Carbon Committee identified more than 140 energy and emission reduction projects across our Geozones. Some notable energy reduction project themes include:

- Ongoing facility footprint justification projects
- Vehicle and forklift reduction and/or conversion
- Upgrading equipment from diesel to electric
- Lighting LED conversions and installation of photoelectric or timing devices
- AC conversions to more efficient refrigerants, improving maintenance schedules, and programming thermostats
- Air system upgrades to paint booths
- Controllers to eliminate draw of small appliances after hours
- Elimination of power and heating draw through decommissioning of buildings/camps no longer in-use
- Insulation of interior and exterior piping to prevent thermal losses
- Utilizing diesel with increased cetane values where fuel substitution is not possible
- Ongoing operational energy efficiency projects driven by our Real Estate and Fleet Cost Optimization teams
- Employee education and awareness campaigns to promote better energy use behaviors

These achievements are significant steps toward our long-term goal of achieving Net-Zero greenhouse gas emissions. We remain dedicated to pursuing sustainable practices and continually improving our environmental performance as we strive to make a positive impact on the planet.

## ADVANCING OUR GLOBAL NET-ZERO 2050 AMBITION



In 2023, we intend to further our reduction efforts through the deployment and execution of our road map pathways, energy reduction projects, and ongoing footprint justification exercises. This will be further supported by the introduction of our emissions accounting software, by helping business leaders identify energy emission-intensive hotspots and trends, enabling us to better target areas of focus. We intend to further strengthen our road map and Net-Zero aspiration through participation in the UN Global Compact Climate Ambition Accelerator program that is designed to support organizations looking to make progress towards setting science-based emissions reduction targets and strengthen their road map to address the organization's transition to Net-Zero.

## TARGETING OUR LARGEST SCOPE 1 AND 2 FOOTPRINT



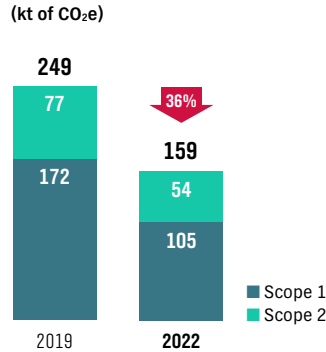
Additionally, our U.S. locations have made an ambitious

step forward in taking measurable actions to reduce greenhouse gases associated with their facilities through enrollment in the U.S. Department of Energy Better Climate Challenge. This voluntary program enables partnering organizations to accelerate energy efficiency and procurement through the provision of technical assistance, peer-to-peer learning, and sharing of reliable real-world solutions.

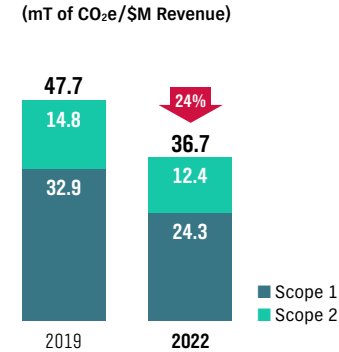


In alignment with the Greenhouse Gas Protocols, we restated our 2019 emissions baseline in this report to account for an expansion in the coverage the data set encompassed in comparison to our previous report, from 70% to more than 90% of activity based on revenue. For detailed information on boundaries, methodologies, emission factors, estimations, and uncertainties, please refer to the Details on Greenhouse Gas Emissions in the indices of this report.

### GREENHOUSE GAS EMISSIONS



### GREENHOUSE GAS EMISSIONS INTENSITY



### ENERGYWISE IN ACTION

Our Brunei location instituted an energy reduction campaign throughout the year, focusing on behavior modification through awareness at safety meetings, toolbox talks, and hazard hunts, and increasing maintenance on HVAC systems. This resulted in reducing their monthly kWh consumption by over 50%, equating to ~140,000 kWh annually.



### LED CONVERSION

Leveraging Green Lease Principles, our Langenhagen, Germany Manufacturing facility achieved the upgrade of the 210,000ft<sup>2</sup> of workshop and warehouse lighting to LED in 2022. This upgrade is estimated to save 190,000 kWh\* annually.



\* Estimate based on # of illuminants, watt capacity, and average run time

### SCOPE 2 CARBON NEUTRALITY ACHIEVEMENT

Our Service Centre in Macaé, Brazil, achieved carbon neutrality certification, sourcing all electricity from internationally renewable energy (REC)\* certified wind and hydro sources in 2022.



\* Weatherford has not applied (offset) RECs in total emission calculations

### IT INFRASTRUCTURE COMMITMENT

In 2023, we intend to reduce the power and cooling energy footprint of equipment in corporate data centers by ~50%.



### ELIMINATION OF DIESEL AS A POWER SOURCE

The local team at our Añelo, Neuquén service centre in Argentina upgraded the electrical infrastructure at the location, facilitating their goal of connecting to grid power and eliminating the use of diesel generator power provisions.



The project translates to an estimated reduction of 313 metric tons of CO<sub>2</sub>e\* annually.

\* Based on historical diesel consumption vs. current kWh from grid consumption

Our expansive operations base and man camp in Saudi Arabia made strides to eliminate the reliance on diesel-powered generators as the main power source. The team launched a project to connect to the power grid in 2022 and is on track to complete the endeavor



in mid-2023. They are also executing a feasibility and design study to introduce solar capabilities at the location.



## SCOPE 3 GREENHOUSE GAS EMISSIONS

In 2022, our greenhouse gas emissions related to indirect emissions that occur within our value chain, are outside of the organization’s direct operations, and are generated as a result of upstream and downstream activities from assets not under direct control of the Company.

Identifying and quantifying material Scope 3 categories is a significant undertaking, requiring the cooperation and data sharing between all companies and stakeholders across the value chain, including customers, suppliers, and contractors. Despite these complexities, we recognize the part we play in reducing Scope 3 emissions as part of our industry’s overall strategy.

While measurement efforts will inevitably be a multi-year project, Weatherford achieved quantification of multiple Scope 3 emission categories in 2022, including purchased goods and services, upstream and downstream transportation distribution, waste generated in operations, business travel, and employee commuting.

We intend to further expand these data sets and calculation methodologies through 2023. This expansion aims to enhance our ability to identify more sustainable solutions, and better decision-making within our supply chain, transportation decisions, waste management, as well as the design of lower-emissions products and services. These efforts also extend to areas that contribute to emission reductions across our industry. This data supports longer range planning through risk and opportunity assessment as part of our climate risk analysis using the TCFD framework.

For detailed information on boundaries, methodologies, emission factors, estimations, and uncertainties, please refer to the Details on Greenhouse Gas Emissions section in the Indices of this report.

Scope 3 Emissions (mT CO <sub>2</sub> e) – Category	2022 Baseline
1 – Purchased goods and services	460,077
4 – Upstream transportation and distribution	59,931
5 – Waste generated in operations	30,559
6 – Business travel	13,641
7 – Employee commuting	29,721
9 – Downstream transportation and distribution	14,679

The foundational efforts to quantify these categories, as well as the ongoing work to continue improve data sets, and apply emission reduction levers, will remain a focus area for our Sourcing, and Product Line and Fleet Carbon Committees, as well as business leaders across our value chain in 2023 and beyond.

### REAL RESULT

Universal Permanent Magnet Motors for PCPs Reduces Energy Usage 9.74%, Noise Emissions by 38%, Saving \$5K in Electricity and \$38K in Annual OPEX in Romania



[READ MORE ►](#)

### REAL RESULT

Managed Pressure Drilling, Cementing Eliminated Intermediate Contingency Liner in Ultra-Deepwater Well, Saved Five Days of Associated Operational Emissions in the Gulf of Mexico



[READ MORE ►](#)



# WATER AND RESOURCE MANAGEMENT

2022 Progress	2023 Goals
<ul style="list-style-type: none"> <li>■ Inclusion of drought peril in climate risk and opportunity assessment</li> <li>■ Expanded Aqueduct Water Stress assessment across operational locations</li> <li>■ More than 140 improvement projects related to water, waste, and hazardous substance management</li> </ul>	<ul style="list-style-type: none"> <li>■ <b>Expand review of potential impacts on Water Stressed locations</b></li> <li>■ <b>Waste Reduction and expansion of HazMat Self-Assessment Program, as part of the 2023 HSSE Strategic Initiatives Plan</b></li> <li>■ <b>Continue to strengthen water and resource management tracking for reporting purposes</b></li> </ul>

**8 NEW**  
Metrics included in the Water and Waste Reporting

**>19,000**  
Metric Tons of Waste Diverted from Landfill

## WATER AND EFFLUENTS

At Weatherford, we recognize the critical importance of preserving water as a valuable resource. It is essential to the progress of human societies. To ensure responsible water management, we adhere to our Water Management Standard, which guides our practices in monitoring and tracking water consumption while setting annual targets.

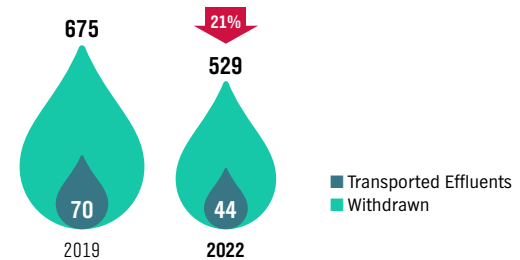
We proactively identify and implement opportunities for reducing water consumption, integrating these initiatives into our annual business plans. For instance, we have implemented systems for reusing and recycling rainwater in specific locations, utilizing it for landscaping and equipment washing. This allows us to optimize water usage and minimize waste.

Furthermore, we prioritize carefully managing wastewater in alignment with our Waste Management Standard. We conduct wastewater monitoring surveys and water sensitivity assessments to comply with discharge permits where necessary. Our wastewater undergoes treatment in accordance with applicable regulations before being safely discharged into the environment.

In 2022, our operations withdrew 528,870 cubic meters of water. This was a decrease of 21% compared to our baseline year of 2019. Through focused footprint justification projects, risk identification, and mitigation efforts, we continue to reduce our water withdrawn year-over-year. A similar trend was realized in water-stressed areas, due to in part from increased focus in areas that we have identified as high or extreme water risk areas. A water stress region campaign in late 2021 resulted in improved water management and behaviors in 2022.

### WATER USE

(Million Litres)



### WATER STRESS LOCATIONS\*

Category	2022 (%)
Low	23%
Low-Medium	26%
Medium-High	24%
High	15%
Extremely High	12%

\* WRI Water Aqueduct geospatial tool utilized to analyze water risks for each country/location.



# MAPPING WATER RISK

At-risk locations were identified and assessed utilizing the World Resources Institute Aqueduct geospatial tool, which produced digital mapping and data sets for our operations globally. We began using the tool in 2021 and expanded the volume of locations assessed in 2022 to all locations under our operational control. Analysis of the data allowed us to determine that 52 locations ranked as high water-stress, and 41 locations ranked as extremely high water-stress. Additionally, this assessment identified that roughly a third of the countries where we operate are considered high or extremely high due to their regulatory and reputational risk profile.

Further review and re-evaluation of Aqueduct hydrological data will help us continue to expand our understanding of how our operation may impact or be impacted by water-related risks across our geographies. Risk indicators such as physical risks, infrastructure challenges, access to clean drinking water, sanitation, as well as regulatory and reputational risks, lend to better decision making in where and how we operate.

In addition to the many improvements made in previous years, our Facility Carbon Committee identified over 35 unique projects reported in 2022 related to improved water management. Some noteworthy examples include:

- Treating and reusing water in repair and inspection processes
- Repair or refurbishment of water recycling systems to reduce consumption and disposal volumes
- Eliminating the need for emergency water sources through decommissioning and removal of man camps
- Meter data logger installation to improve measurement capabilities for the identification of irregularities
- Inspections and repairs to sprinkler systems and sprinkler heads
- Partnering with employee Union Representatives to discuss and resolve water shortage issues with local governments
- Decreased wash bay consumption through rain capture systems, awareness, and preventative maintenance
- Installation of low-flow faucet aerators
- Enhancements to bio-system media filters and multi-stage bio-digester systems
- Water reclamation projects; and
- Ongoing employee awareness and education campaigns

We utilize operational control as the organizational boundary for our water metrics and include facilities that are active at any time during the calendar year. In light of increased activity coverage, our previous year's water data for total withdrawn has been restated. In 2021, we covered 70% of our activities in 2021 (based on revenue), whereas in 2022, we expanded the coverage to 90%. Additionally, we have improved our methodology for measured and/or modeled data, leading to improved accuracy in reporting.

## RAINWATER CAPTURE SYSTEMS

Our Trinidad and Guyana locations are great examples of facilities capturing and filtering rainwater, then pumping it back to our tool and equipment washing area, preventing the need to draw from the municipal potable water supply.



## GENERATING WATER FROM AIR IN A HIGH WATER-STRESS GEOGRAPHY

At the end of 2022, our GASOS team in Abu Dhabi, UAE, recognized the state of water stress on the Arabian Aquifer System and planned a pilot to introduce Atmospheric Water Generator (AWG). The unit draws in humidity from regular air, filters and condenses it, then applies water filtration, mineralization, ozone, and UV, resulting in clean, safe drinking water. Implementation of the AWG unit has the opportunity to eliminate ~73,000 bottles of water annually.



## REAL RESULT

Nitrogen Cap Drilling, MPD Techniques Slashed Conventional Water Usage in Half in First Application in Oman, Conserving 8,596m<sup>3</sup>, or 50% of the Volume Consumed has Conventional Drilling Methods been Used



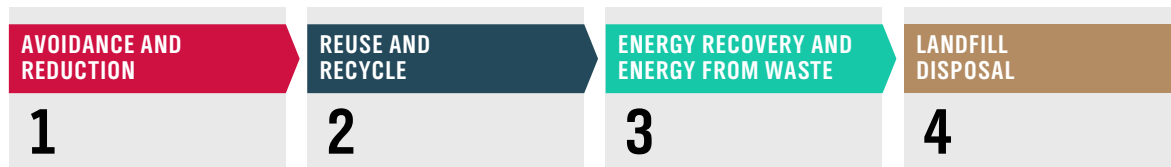
[READ MORE ►](#)





# MANAGING OUR WASTE

Our waste management strategy follows a comprehensive approach that prioritizes different actions to minimize the environmental impact of waste. These actions, in order of priority, include:



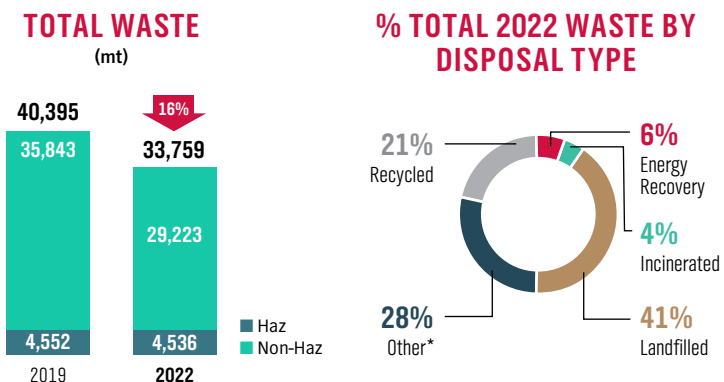
Our Waste Management OEPS Standard encompasses a range of strategies and protocols designed to effectively manage waste across our operations. This standard includes guidelines for various aspects, including work site removal, vendor criteria and audit, transport, and other waste-related elements. Management has established specific standards, protocols, and processes for hazardous waste management. Our robust library of training, competency, and awareness related to waste topics is assigned by job-role, available on-demand, and is periodically reviewed with all levels of the organization through multiple platforms.

As part of our commitment to waste reduction, we actively identify opportunities for avoidance, reduction, reuse, recycling, and energy recovery. During our annual management reviews, these opportunities are assessed and subsequently integrated into our annual business plans. Waste is identified and characterized according to applicable regulatory requirements to ensure compliance with local regulations.

In cases where specific regulatory definitions are unavailable, we have developed waste description guidance to facilitate our waste reduction efforts. Our objective is to minimize waste generation and maximize the practical reuse, recycling, or energy recovery of materials. We strive to ensure that only waste that cannot be feasibly repurposed or recycled is directed for final treatment and/or disposal in suitable landfill sites.

By adhering to our Waste Management OEPS Standard, we are committed to responsible waste management practices that minimize our environmental impact and contribute to a more sustainable future.

In 2022, our operations generated 33,759 metric tons of waste. This was a decrease of 16% compared to 40,395 metric tons in our 2019 baseline year. Our total waste diverted from landfill in 2022 was 59%, and disposal types that involved recycling or incineration with energy recovery totalled 27%. These improvements against baseline are a result of ongoing footprint justification efforts, as well as targeted waste reduction and recycling activities at locations.



In line with our reductions, our Carbon Committees identified more than 65 unique waste management improvement projects implemented at our facilities in 2022. Some examples of these projects led by locations are noted below:

- Waste segregation improvements, including further separating metals by type for recycling purposes
- Increased recycling capacity of non-refundable recyclable items
- Employees taking extra steps to access recycling facilities in their region where services do not exist in the vicinity of their operational location
- Activities to eliminate styrofoam and single-use plastics
- Electronic waste recycling projects
- Reduced liquid waste through upgrades and/or improved maintenance of wastewater separation systems
- Refilling containers by participating in supplier programs
- Introduction of compost collection points
- Addition of compacting wood waste to reduce volume and required number of disposals
- Waste vendor consolidation to improve tracking capabilities
- Bulk supply purchases to reduce packaging waste
- Paper reduction and/or elimination projects
- Implementing waste-related 5S projects
- Introduction of water filtration and/or supply systems to eliminate plastic bottle waste
- Engineered chrome thickness reduction for tooling to reduce hazardous material waste
- Introducing liquid waste treatment to treat and convert industrial liquid waste to liquid domestic waste prior to disposal
- Ongoing employee awareness and education campaigns

\* Other Disposal Operations - in alignment with GRI-306, includes other waste streams such as waste water treatment and deep well injection



The **Sustainability Hunt Program** launched in early 2023 by our Facilities Carbon Committee includes monthly themes related to identifying opportunities for waste management improvement. This is strengthened further by our 2023 Global HSSE Plan, which identifies waste reduction as a strategic global initiative. The objective of these collaborative initiatives will be to increase the reduction of waste through minimizing, reusing, and recycling solid waste destined for disposal to reduce our overall waste stream and environmental impact. A focus will be placed on refresher training, location-based waste assessments, and defining opportunities based on the evaluation using our Waste Management Standard Guidance, setting specific goals, and monitoring progress. In parallel to this, improvements will be made to our waste accounting module within our enterprise tracking system. This will, in turn, continue to improve disclosure capabilities, further support the validation of completeness and accuracy, and help to provide better trending that will enable locations to identify opportunities for improvement.

We utilize operational control for our waste and recycling metrics as our organizational boundary, and include facilities that are active at any time during the calendar year. Our 2019 waste data for total mass has been restated based on an increase in activity coverage, from 70% of our activities in 2021 (based on revenue) to more than 90% in 2022, as well as improved methodology in measured and/or modeled data.

**WEATHERFORD SUSTAINABILITY PROGRAM**

**NO MORE WASTE**

**SUSTAINABILITY FACILITIES INITIATIVE**

**REDUCING SINGLE-USE PLASTICS - SINGLE IT OUT**

Did you know, approximately 350 million metric tons of plastic are produced annually and that at least 34 million tons of plastic end up in our oceans every year? Single-use plastics consist of products that are used once, or for a short period of time, before being thrown away. They are a significant contributor to waste and are often hard to substitute.

**What single-use plastics can you replace with a more sustainable option?**

**MAKE AN IMPACT AT YOUR FACILITY**

- Identify single-use plastics (e.g., pens, staples, tissues, containers) throughout the facility. Submit a SADAAR card to offer alternative suggestions, such as compatible reusable alternatives.
- Consider eliminating single-use plastics brought from home. For example, keep and reuse disposable water bottles with reusable ones and pre-arrange having them with a lunch box to stay healthy and protect the planet.
- Ensure appropriate recycling receptacles are in place and used throughout your facility.

Submit information on the SADAAR Program  
View Your Address on the One Weatherford App  
Learn More About Our Sustainability Journey: [weatherford.com/sustainability](https://weatherford.com/sustainability)

**WEATHERFORD SUSTAINABILITY PROGRAM**

**NO MORE WASTE**

**SUSTAINABILITY FACILITIES INITIATIVE**

**PAPER AND WOOD - ENSURING RESPONSIBLE USE**

We utilize paper and wood products frequently throughout our daily activities. For example, think about the packaging we use for our products, the materials we use for their up in the warehouse, and the paper that is printed out for meetings. It is all visible, and we need to do our part to protect our forests and use resources responsibly.

**Can you challenge yourself to go paperless?**

**MAKE AN IMPACT AT YOUR FACILITY**

- Think about how we design, transport, and store our equipment. Is there an opportunity to reduce excess that increases our environmental impact (e.g., reusable cables and equipment boxes) or change packaging to a recyclable/reusable/compostable cardboard?
- Make simple changes to the printers in our facilities. Consolidate printers and remove individual ones that are not used. Program printers to require double-sided printing, use of shorter margins, and to require print specific pages instead of the whole document.
- Install hand signs to reduce paper towel use in facility where applicable.
- Encourage our people to avoid excessive printing. Digital documents and files, such as online signatures, digital checklists, and files, should be used instead of paper. Optimize for printing, and check and recycle all documents through an approved facility partner.

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**WEATHERFORD SUSTAINABILITY PROGRAM**

**NO MORE WASTE**

**SUSTAINABILITY FACILITIES INITIATIVE**

**"WASTE NOT, WANT NOT."**

Put simply, this familiar phrase means if we never waste things, we will always have what is needed. Many items used in our work and personal activities have a longer shelf life than they are given, but they end up in the garbage. How can we get a step to this and conserve resources?

**Think about the items you typically throw away, and find ways to responsibly reduce their use, reuse them, or recycle them.**

**MAKE AN IMPACT AT YOUR FACILITY**

- Engage equipment vendors receiving equipment in evaluation a facility or customer receiving equipment. How can we reuse or recycle?
- Identify items on your location that could be recycled with the support of an approved provider (e.g., paper, cardboard, aluminum, other metals, metal, furniture, floor tiles, window blinds, and other items). Find ways they often be compostable, and there are processes and bins available to help you get started.
- Ensure recycling bins are utilized appropriately to avoid unintended waste (e.g., separate food and non-recycling, reuse all plastic containers, use labeled bins for paper, aluminum, plastic, etc.).
- Review the training modules hosted on our Environment Dashboard to brush up on your waste knowledge, accessible from the Sustainability site link below.
- Post a facility location drive to collect gently used clothing and appliances to donate to a local charity.

Submit information on the SADAAR Program  
View Your Address on the One Weatherford App  
Learn More About Our Sustainability Journey: [weatherford.com/sustainability](https://weatherford.com/sustainability)

## REDUCING WASTE TO LANDFILL THROUGH EXPANDED RECYCLING EFFORTS

In December 2022, our Artificial Lift facility in Bakersfield, CA, increased their mixed recyclable waste capacity from one 96-gallon cart to two 3-yard containers. This simple yet tangible change is estimated to decrease their waste-to-landfill contribution by nearly 28 metric tons\* annually.



\* Based on EPA Volume-to-Mass Conversion Factors — April 2016

## REPURPOSING DESK PHONES DIVERTS WASTE FROM LANDFILL

Our IT Telecom Cost Optimization Bullet Train (part of an internal optimization program) completed a 2-year project in 2022 that eliminated over 1,000 desk phones at our Corporate headquarters, replacing them with virtual platforms and partnering with a vendor to upcycle and/or repurpose the handsets. This initiative diverted over 1.5 metric tons from landfill, including 45.8 metric tons\* of CO<sub>2</sub>e.



\* Based on supplier data sheet weight and power consumption converted through EPA Greenhouse Gas Equivalencies Calculator

## RECYCLING EMBEDDED IN OUR DATA PROTECTION EFFORTS

We conducted Secure Shredding and Recycling activities from July 2021 through July 2022 in the U.S., resulting in 34.26 metric tons of recycling diverted from landfill. In addition to providing better data security, this also avoided 177.90 metric tons of CO<sub>2</sub> GHG emissions.\*



\* Based on supplier annual status report & Environmental Paper Network (EPN) Paper Calculator.

## FROM WASTE TO WASH WATER

Our Egypt location launched a program in 2022 to introduce liquid waste treatment in an effort to convert industrial liquid waste into a water supply that can be re-used for washing equipment.





# HAZARDOUS SUBSTANCES MANAGEMENT AND SPILL PREVENTION

At Weatherford, we prioritize the safety of both people and the environment in the management of hazardous substances. To achieve this, we maintain and regularly update our hazardous substances policies and standards. These policies and standards ensure that we have effective processes and controls in place for the safe handling and management of hazardous substances.

At all our operating locations, we have systems in place to identify and record hazardous substances. This information is crucial for ensuring that employees are aware of the specific hazards and controls associated with these substances. We provide comprehensive training to our employees to ensure their understanding of the hazards and the proper protocols for handling hazardous substances.

Our controls and standards cover various aspects, including the handling, storage, identification, procurement, transportation, and maintenance of hazardous substances. We prioritize both employee safety and environmental health and safety measures to minimize any potential risks.

As part of our proactive approach, each location carefully plans the storage and management of Hazardous Materials, as well as develops and tests Spill Preparedness and Response Plans (SPRP) annually. These plans are designed to assess the risks associated with potential spills and establish appropriate response measures. This includes identifying the necessary activities, personnel, training, and supplies required to respond to a spill incident effectively.

In 2022, the total volume of spills across our global operations decreased by more than 75%, and the associated incident rate decreased by 74%. We attribute this to continued process discipline when working with chemicals and liquids in our operations, despite the increase in activity.

Our locations reported more than 40 unique location-based projects related to Hazardous Substance improvements in 2022. Notable themes include:

- Centralizing and/or construction of centralized storage, access, and controls
- Removal of surface storage tanks, as well as unused and/or underused chemicals and solvents from workshops
- Focused reduction activities on depleted lithium batteries from fit-for-purpose storage areas
- Replacing parts washers that contain chemicals with bioremediating SmartWashers
- Substituting cutting and brazing gases for safer, non-toxic gases
- Reduced chroming thickness projects
- Implementing refillable double-walled tanks to replace the need for ongoing procurement, cleaning, and disposal of totes and drums
- Reduction of inventory and associated storage capacity, as well as both solid and liquid hazardous waste through substituting multigrade oils with synthetics
- Enhanced secondary containment controls and hard surfacing at-risk yard areas
- Upgrading spill response kits and PPE for chemical use
- Ongoing employee awareness and education campaigns

Our 2023 HSSE Plan includes a strategic global initiative for the enhancement of HazMat self-assessment programming, expansion to include broader coverage of hazardous substances, and greater focus on HazMat training.

>75%

Total Volume of Spills Reduced

	2021	2022
Total Volume of Spills (US gallons)	13,549	3,164
Total Volume Spill Incident Rate (TVSIR – 200K MH)	0.80	0.21

## CENTRALIZED HAZMAT MANAGEMENT PROMOTES BETTER CONTROLS

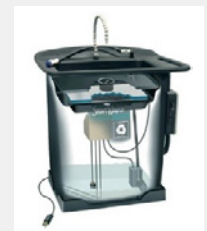
Our Balikpapan, Nargong, and Duri, Indonesia locations centralized chemical storage and hazardous waste management across multi-product line bases.



These projects support their efforts to improve the management of controls for chemical use, waste vendor logistics, secondary containment, and disposal practices.

## SAFER PARTS WASHING WITH BIOREMEDIATING SMARTWASHERS

Our San Antonio, Texas location identified and implemented an eco-friendlier means to wash small tools and parts by introducing bioremediation units that utilize microbes and eliminate toxic solvents, hazardous disposal requirements, as well as associated safety concerns, such as flash points.





# BIODIVERSITY

2022 Progress	2023 Goals
<ul style="list-style-type: none"> <li>Comprehensive assessment of our operational proximity to key biodiversity areas and IUCN Red List</li> </ul>	<ul style="list-style-type: none"> <li><b>Further analysis of biodiversity risk assessments and potential impacts to identify opportunities for program enhancements</b></li> </ul>

We recognize the value biodiversity and the variety of living species on Earth delivers for the planet and believe the preservation of ecosystems is necessary to sustain life. Our Core Value of Accountability aligns our operational integrity and our never-ending commitment to operating sustainably includes caring for our planet and protecting natural capital.

As a member of the UN Global Compact and steward of the Sustainable Development Goals (SDGs), we understand the UN's objective to protect, restore, and promote sustainable use of ecosystems, and we commit to continuing to expand our analysis of potential impacts our operational locations have on biodiversity, protected areas, and areas of significant biological value. Through nature-driven projects, we strive to continuously minimize our environmental footprint, while preserving, protecting, and restoring diverse ecosystems.

Through a combination of internal standards, robust environmental practices, and volunteering efforts by our employees, we continue to support environmental stewardship, including considerations for biodiversity.

In addition to launching our climate-related risk and opportunity assessment activities in 2022, we also recently expanded our review of the potential impacts our operations may have on ecosystems globally and utilized the [Integrated Biodiversity Assessment Tool \(iBAT\)](#) to perform a comprehensive analysis of the proximity of our locations to the United Nations Educational, Scientific and Cultural Organization (UNESCO) Natural World Heritage Sites and protected or key biodiversity areas. We also utilized data from the International Union of Conservation for Nature (IUCN) Red List of Threatened Species to assess vulnerable and endangered species with habitats in the areas of our operational presence.

## MANGROVE RESTORATION EFFORTS IN ASIA

In Thailand, our team participated in a mangrove planting activity at Khlong Tamru Mangrove Forest Education and Conservation Center in Chonburi province, Thailand. The event aimed to raise environmental awareness, restore mangrove forests, and encourage Weatherford employees to demonstrate their passion for the environment. Our 60 Weatherford volunteers planted 500 mangrove saplings, picked up garbage around the mangrove forest, and also made a donation to the Khlong Tamru Mangrove Forest Education and Conservation Centre.





Our analysis was aimed to identify operational locations within or adjacent to Key Biodiversity Areas (KBA) deemed high priority by the Alliance for Zero Extinction (AZE). AZE sites are considered to contribute significantly to the global persistence of diversity in terrestrial, freshwater, and marine ecosystems. Additionally, the analysis reviewed locations to determine proximity to Marine or Terrestrial World Heritage Site (WH). WH are a landmark or area which is selected by the UNESCO as having cultural, historical, scientific, or other form of significance, and are judged to be important to the collective interests of humanity, as well as those deemed to be a designated Marine, Coastal, or Terrestrial site recognized under UNESCO's Man and Biosphere Programme to promote sustainable development based on local community efforts and sound science.

The same study assisted us in beginning to evaluate the proximity of our properties to any IUCN Red List of Threatened Species, the leading international standard for assessing the threat status of the planet's species.

Our initial assessment provided us with a broader lens on opportunities to perform a more detailed analysis of potential impacts in key areas, grow the awareness of our workforce, and enhance our internal biodiversity programming where necessary.

Operations from around the globe participate in several activities annually to support local conservation efforts in the communities they operate. Additional examples beyond those highlighted in this section can be viewed in the [Supporting Our Local Communities](#) section of this report.

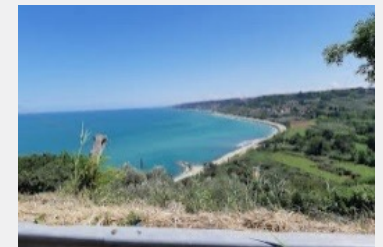
### RECOGNITION FROM BOGOTA DISTRICT SECRETARY OF ENVIRONMENT

In 2022, Weatherford Colombia received recognition from the District Secretary of Environment relating to the execution of environmental volunteering projects in the Capital District of Bogotá, participating in activities such as gardening, tree planting, ecological walks, projects carried out with recycled materials, reforestation, cleaning of water sources, conservation of flora and fauna, and data collection. These efforts also garnered a 1<sup>st</sup> place Environmental Entrepreneur Award from Weatherford for the Raising Participation, Communication, and Awareness category.



### SUPPORTING NATURE RESERVE DISASTER RELIEF IN ITALY

After the community experienced a fire at the local Punta dell'Acquabella Nature reserve in Ortona, Italy, our team rallied to raise funds in honor of Global Environment Day and made a donation to the reserve for the planting of new trees in this important ecosystem.



### COMMUNITY CLEAN-UP EVENT IN SAUDI

In Saudi Arabia, nearly 60 volunteers from Weatherford offered their support in a community clean-up campaign to help remove waste near a highway. Our team was honored to lend a hand at this important event.

