

Your Energy Transition Partner

Supplement

# Sustainability Report 2024





# About this Supplement

This document provides further information and data pertaining to the content of QatarEnergy’s Sustainability Report 2024. It should be read in conjunction with the Sustainability Report, available at

[www.qatarenergy.qa/en/Sustainability/Pages/SustainabilityReporting.aspx](http://www.qatarenergy.qa/en/Sustainability/Pages/SustainabilityReporting.aspx)

# Cautionary statement

Refer to Cautionary statement in QatarEnergy’s Sustainability Report 2024, available at

[www.qatarenergy.qa/en/Sustainability/Pages/SustainabilityReporting.aspx](http://www.qatarenergy.qa/en/Sustainability/Pages/SustainabilityReporting.aspx)

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# Corporate overview



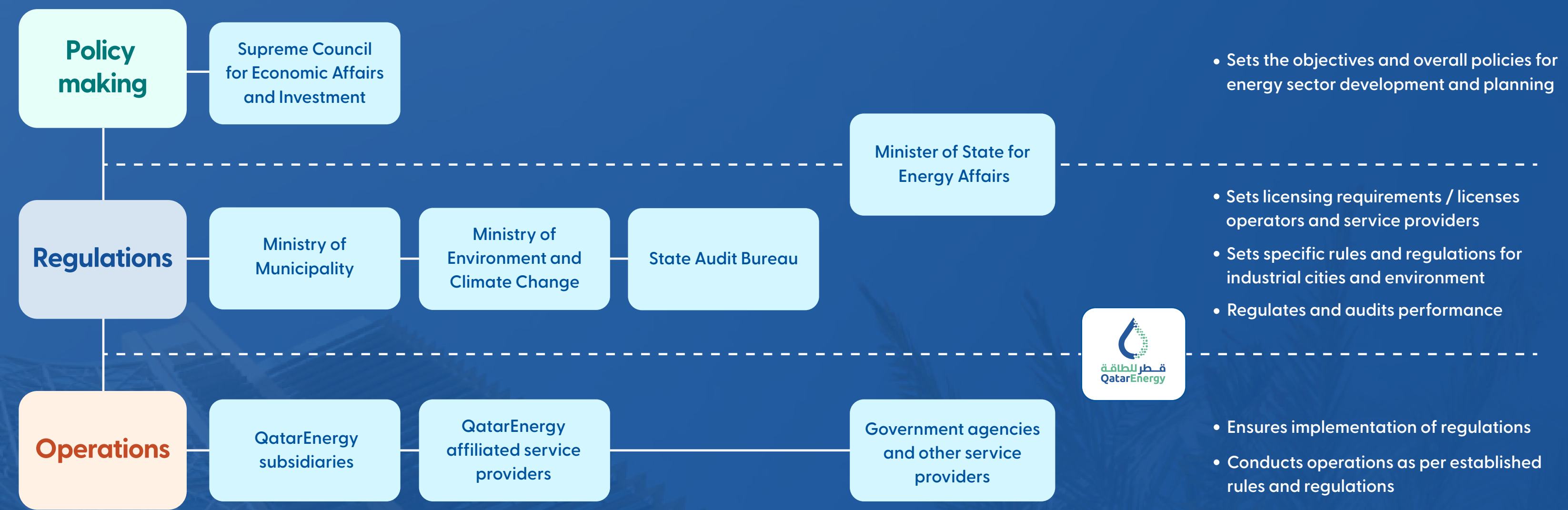
# Corporate governance structure

QatarEnergy is the national energy corporation of the State of Qatar that has been granted the rights to conduct or authorize petroleum operations as per the Law (3) of 2007 on Natural Resources (and its amendments). QatarEnergy operates within a set legal framework that is defined by the virtue of the Decree Law (10) of 1974 (and its amendments).

Like any other public body (government entity) within the State of Qatar, QatarEnergy’s establishment is through a regulation rather than by virtue of commercial registration. As a State-owned public corporation, QatarEnergy has been mandated a wide responsibility to ensure that it carries out all the activities related to the oil and gas sector in all its phases.

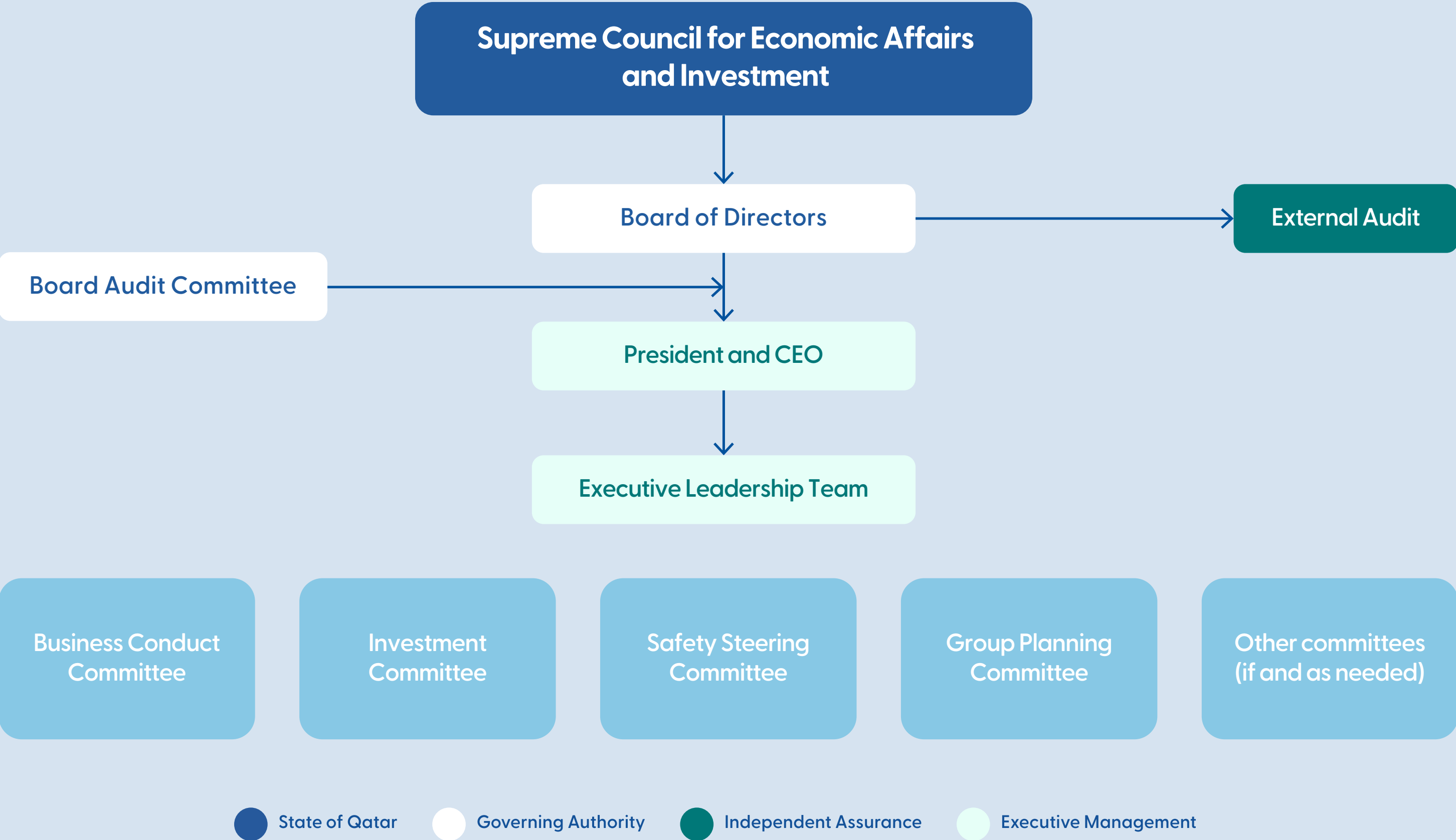
The responsibility for ensuring QatarEnergy’s long-term success resides with its Board of Directors who are responsible for the oversight of the organization and its operations. The Board reports to the Supreme Council for Economic Affairs and Investment, which is chaired by His Highness the Amir of the State of Qatar. The Supreme Council oversees the energy sector and steers its policies and plans in line with the State’s vision. The Council is mandated with the supervision of all matters pertaining to the energy sector, the economy, reserve development, and all policies related to the regulations of the energy sector of the State of Qatar.

Key stakeholders involved in overseeing energy sector governance in Qatar:





QatarEnergy’s governance structure



Board of Directors

QatarEnergy’s Board of Directors is the highest governance body and plays a pivotal role in steering our strategic direction. The Board is comprised of seven experienced leaders from diverse sectors within Qatar. Our Board members offer a wealth of expertise and meet regularly to discuss a range of issues relevant to QatarEnergy.

His Excellency the President and CEO

H.E. the President and CEO is responsible for QatarEnergy’s overall business: managing its operations, financial results, business development activities, and the execution of its strategy.

Executive Leadership Team

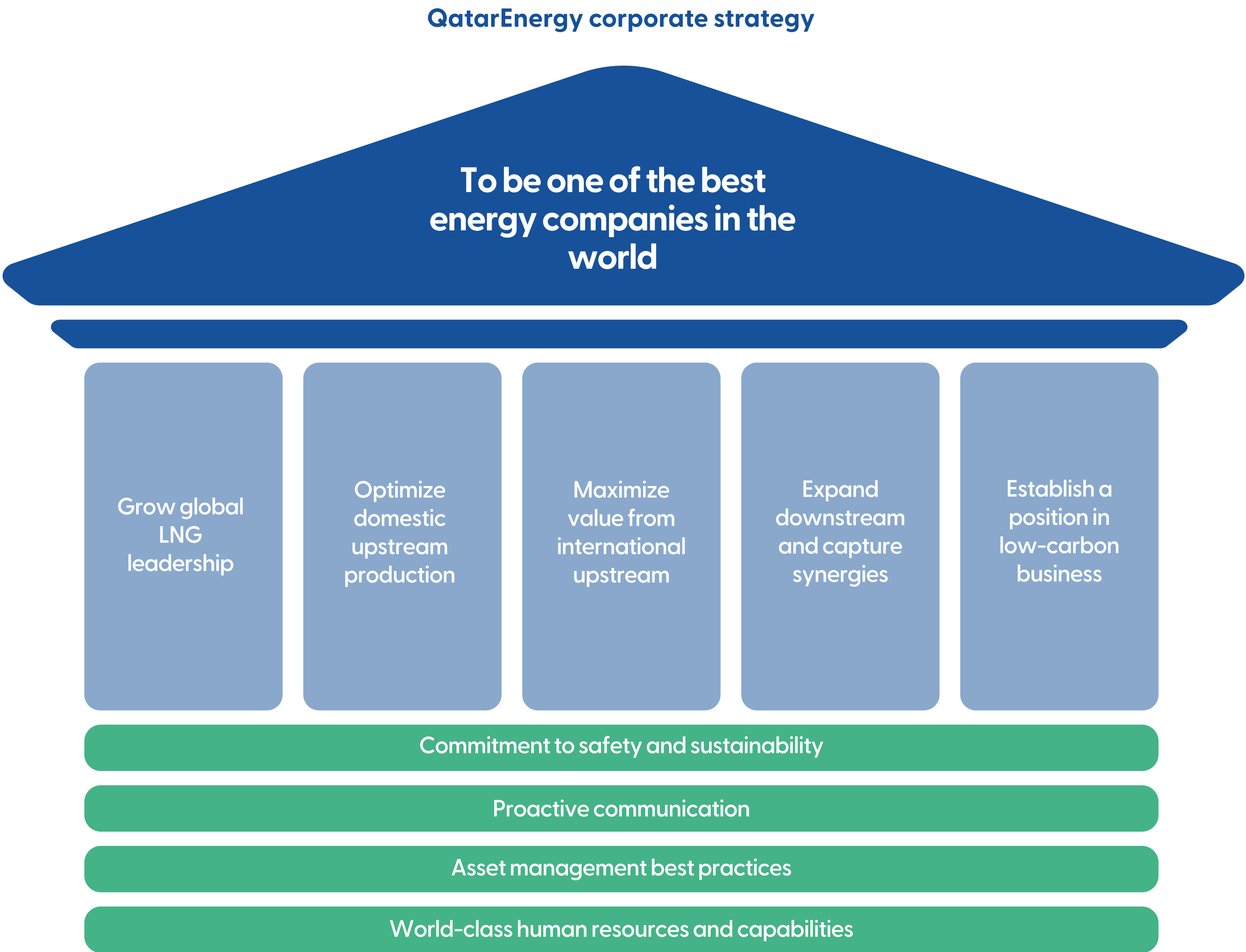
QatarEnergy’s Executive Leadership Team (ELT) has a clearly defined mandate from H.E. the President and CEO for oversight of QatarEnergy’s business: conduct, financial and operational performance, HSE and risk management, and informed decision-making. The ELT ensures that QatarEnergy delivers on our strategies and sustainability goals in alignment with our values. Their regular engagement and oversight mechanisms contribute to a robust decision-making process, reinforcing our commitment to responsible and sustainable business practices.



# Vision and strategy

QatarEnergy’s vision is to be one of the best energy companies in the world. To achieve this, our corporate strategy outlines the steps we are taking to ensure that the company continues to supply the world with secure and affordable energy in a sustainable manner.

As “Your energy transition partner,” we work closely with customers, partners, and other key stakeholders to understand and adapt to their evolving requirements in the rapidly changing energy landscape. In addition to our ongoing commitment to safety and sustainability across all our operations, our strategy reflects QatarEnergy’s ambition to actively pursue low-carbon growth opportunities. Our corporate strategy is built around five strategic themes that encompass our primary business areas and reflect our commitment to innovation and progress.



● Vision    ● Strategic themes    ● Key enablers



## Grow global LNG leadership

QatarEnergy is a global leader in supplying LNG to a growing number of markets in Asia, Europe, and elsewhere. We are building on this position through a major expansion of the North Field. We also aim to maintain our position as one of the LNG producers with the lowest cost and lowest emissions intensity. Our new LNG production facilities will employ best-in-class energy efficient technologies and carbon capture facilities.

## Optimize domestic upstream production

In addition to maximizing recovery from the North Field, QatarEnergy seeks to optimize production from oil producing assets in Qatar through a focus on operational excellence and advanced technologies. We actively pursue opportunities to commercialize currently undeveloped resources.

## Maximize value from international upstream

QatarEnergy has built an extensive international oil and gas portfolio. We seek to generate value through exploration and development of material assets in emerging frontier basins together with strategic partners. We work actively with host governments in countries where we operate to support the development of sustainable business practices.

## Expand downstream and capture synergies

QatarEnergy has a growing portfolio of petrochemical and other downstream assets both in Qatar and internationally. We invest in assets that synergize with our current operations and add further value to and secure offtake of feedstocks produced by our upstream operations. Our new assets are built to meet the latest energy efficiency and environmental standards.

## Establish a position in low-carbon business

QatarEnergy is well positioned to take advantage of opportunities arising in low-carbon sectors. We will pursue opportunities aligned to our competitive advantages, with a focus on carbon capture and storage, blue ammonia, and solar power generation. Our first solar project was launched in Qatar in 2022, laying the foundation for future growth in renewable energy infrastructure.

### Key enablers

The successful execution of our strategy is supported by four key enablers:

- **Commitment to safety and sustainability:** Embedding robust environmental and safety standards into every operation.
- **Proactive communication:** Effectively engaging with customers, partners, and other stakeholders.
- **Asset management best practices:** Leveraging best practices to optimize the creation of long-term value of our assets.
- **World-class human resources and capabilities:** Nurturing world-class talent to drive innovation and growth.

By aligning our corporate culture and values with our strategic priorities, we aim to create long-term value for the State of Qatar, fuel economic progress, and support prosperity in the markets we serve.

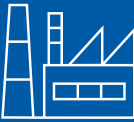


# Our portfolio

## Markets we serve



Power generation



Industry and manufacturing



Agriculture



Residential and commercial energy



Personal and commercial mobility



Aviation



Marine

## Our products



Natural gas and natural gas liquids



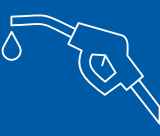
LNG



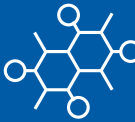
Crude oil and condensates



Domestic power



Refined products and additives



Petrochemicals



Ammonia and fertilizers



Synthetic fuels



Aluminium and steel



Helium



Sulfur

## Our activities and operations

### Exploration, drilling, and production



Exploration offshore



Production offshore



Production onshore

### Liquefaction



LNG production

### Power and utilities



Gas-fired



Solar

### Refining and gas processing



Refining



Gas-to-liquids



Gas processing

### Carbon capture, utilization, and storage



Carbon capture and storage

### Petrochemicals and fertilizers



Olefins and derivatives



Ammonia and fertilizers

### Other activities



Marketing and trading



Support services

### Metals



Steel



Aluminium

### Storage, transport, and distribution



Storage and terminals



Shipping



Pipelines




Fuel distribution

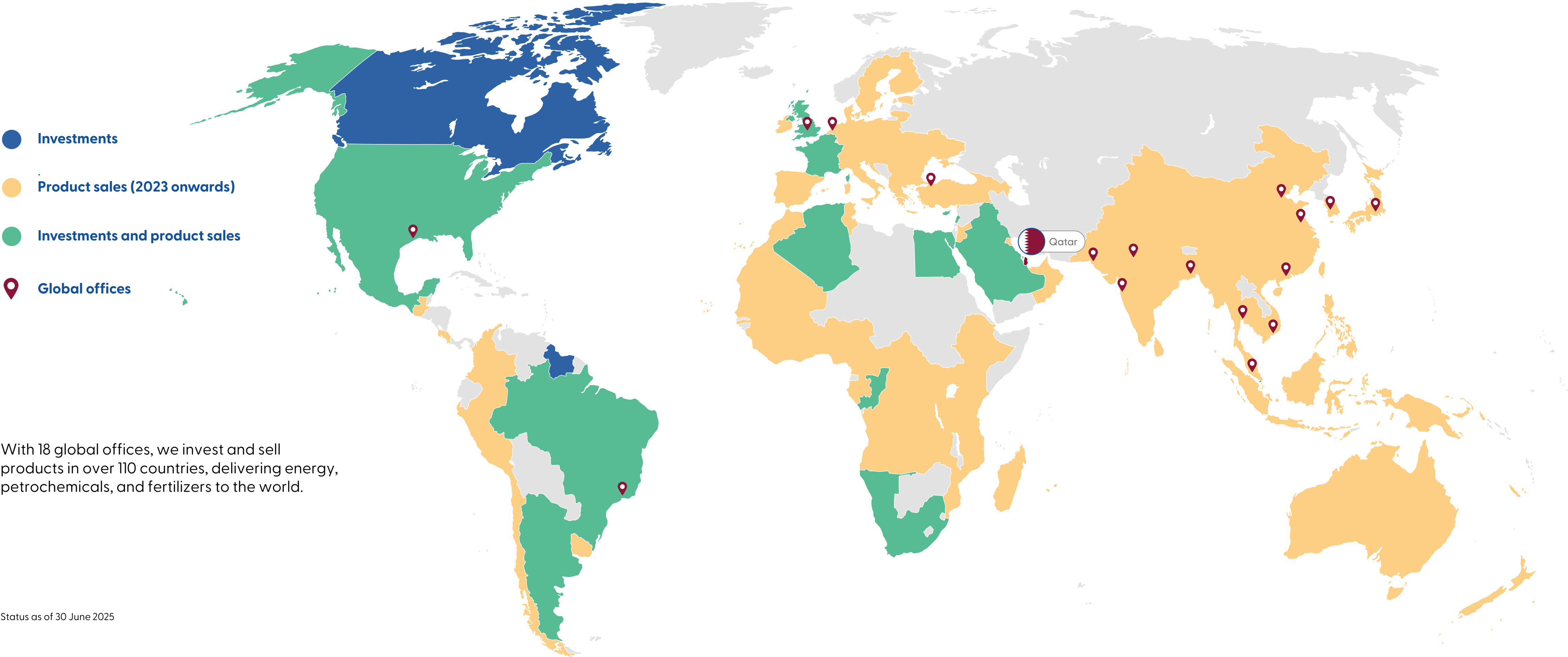


Regasification



# QatarEnergy’s global footprint

-   
Upstream
-   
Downstream
-   
LNG
-   
Other
-   
LNG
-   
Crude oil and petroleum products
-   
Petrochemicals
-   
Fertilizers





# QatarEnergy’s global asset network



Our business activities are managed directly or through subsidiaries to provide energy solutions for developed and emerging markets. By leveraging our expertise and international reach, we aim to contribute to progress globally while meeting local priorities.

Notes:  
 1. Status as of 31 December 2024.  
 2. A list of QatarEnergy's operated and non-operated assets can be found on p. 24 of this report. For further information, the latest Annual Review is available on QatarEnergy's website.  
 3. The activities depicted on this map for the State of Qatar are intended for illustrative purposes only and do not constitute a comprehensive listing. Please refer to the previous page of this report for a detailed overview.



# Commitment to stakeholders

QatarEnergy prioritizes transparent, inclusive, and meaningful interactions with both internal and external stakeholders. Their perspectives are integral to our decision-making processes, guiding our sustainability efforts and ensuring we align business priorities with their expectations. This collaborative approach supports sustainable growth, value creation, and the long-term success of our operations.

We engage with a broad range of stakeholders to understand and address their needs effectively. In this reporting period, we reviewed our list of stakeholders and their critical concerns, which have been addressed in this report.

## Internal stakeholders

- **Employees:** We prioritize the well-being, development, and engagement of our employees. We focus on an inclusive environment that supports personal and professional growth.
- **Subsidiaries and joint ventures:** We collaborate to align our sustainability and business objectives.

## External stakeholders

- **Customers and communities:** We aim to deliver reliable, secure, and sustainable energy, while contributing positively to the communities in which we operate.
- **Government and regulators:** We maintain proactive and transparent communication with government bodies and regulatory authorities, ensuring compliance and alignment with national priorities.
- **Contractors and suppliers:** We engage with contractors and suppliers on sustainable business practices and operational excellence for mutual growth.





# 2024 corporate milestones

## January

- QatarEnergy published Supplier Principles of Conduct
- QatarEnergy awarded major contracts for the expansion of Al-Shaheen oil field, aiming to boost production by 100,000 barrels per day

## February

- QatarEnergy selected Nakilat to own and operate up to 25 LNG carriers
- H.H. the Amir laid the foundation stone for Ras Laffan Petrochemical Complex
- QatarEnergy announced the North Field West project, expanding future domestic LNG production to 142 MTPA

## March

- QatarEnergy entered a new exploration block offshore South Africa
- QatarEnergy signed long-term agreements with international shipowners to operate 19 new LNG vessels

## April

- QatarEnergy signed an agreement with China's CSSC for the construction of 18 new LNG vessels
- QatarEnergy signed time charter agreements with three international companies for the operation of 9 QC-Max size LNG vessels

## May

- QatarEnergy signed a farm-in agreement with ExxonMobil to acquire a 40% participating interest in two exploration blocks offshore Egypt
- QatarEnergy announced the final investment decision for the second development phase of Brazil's S  pia field in the Santos Basin

## June

- QatarEnergy selected CPC as a partner in the North Field East LNG expansion project
- QatarEnergy announced plans to build a salt production plant in Um Al Houl, Qatar through a joint venture by Mesaieed Petrochemical Holding Company (a subsidiary of QatarEnergy) and other strategic partners

## July

- QatarEnergy signed an agreement with Chevron to acquire a 20% working interest in a production sharing contract for block 5 offshore Suriname



## October

- QatarEnergy announced the launch of Tawteen initiative's enhanced ICV program
- QatarEnergy signed an agreement with TotalEnergies to partner in a 1,250 MW solar project in Iraq

## September

- QatarEnergy announced plans to build a new, world-scale urea production complex that will more than double Qatar's urea production
- QatarEnergy announced plans to build a new mega solar power project with a production capacity of 2,000 MW
- QatarEnergy announced plans to build 6 new QC-Max LNG vessels at China's Hudong-Zhonghua Shipyard

## November

- QatarEnergy inaugurated four LNG vessels, the first from Korean shipyards in its historic shipbuilding program
- QatarEnergy signed an agreement with Chevron to acquire a 23% working interest in the Mediterranean Sea offshore Egypt

- QatarEnergy launched the two-day "Tawteen Forum 2024" to enhance the program's inclusivity, adaptability, and support for localizing services and industries in Qatar's energy sector
- QatarEnergy acquired additional offshore exploration interests in Namibia
- H.H. the Deputy Amir laid the foundation stone for the Blue Ammonia Plant in Mesaieed Industrial City

## December

- QatarEnergy awarded time charter party agreements for 6 ultra-modern QC-Max LNG vessels to MOL-CSLNG joint venture
- QatarEnergy signed an agreement with Harmattan Energy Limited to acquire a 27.5% interest in Block 2813B offshore Namibia



# Alignment with Qatar's national targets, ambitions, and plans



# Alignment with QNV 2030 targets

## Environmental development

Management of the environment such that there is harmony between economic growth, social development and environmental protection.

A balance between development needs and protecting the environment	Sustainable environment	<ul style="list-style-type: none"><li>Measuring and managing our environmental footprint, from energy consumption to responsible use of water, materials, and natural habitats</li><li>Investing in energy savings and energy efficiency programs</li><li>Establishing renewable energy resources such as solar power plants</li></ul>
	Reducing emissions	<ul style="list-style-type: none"><li>Continuously looking for opportunities to reduce our Scope 1 and 2 GHG emissions, including through investments in cleaner forms of energy and carbon capture technologies</li><li>Partnering with other companies to improve the GHG accounting, reporting, and verification</li><li>Progressing with the continuous implementation of our approach to mitigating the impacts of climate change</li></ul>
	Air quality	<ul style="list-style-type: none"><li>Operating ambient air quality monitoring stations across Qatar, primarily in the industrial cities</li><li>Investments to lower emissions of oxides of nitrogen (NOx), oxides of sulfur (SOx), and volatile organic compounds (VOC) released during oil and gas production and processing</li></ul>
	Cleaner water	<ul style="list-style-type: none"><li>Ensuring water stewardship through efficient and responsible use of water, including operating water treatment facilities at each of our sites</li><li>Developing a new water conservation project to better understand and manage water use across operations</li><li>Completing a detailed groundwater assessment in the Dukhan Concession Area leading to the development of a strategic plan for mitigating and remediating operational impacts on local groundwater. Extending assessments to other operational areas</li></ul>
	Waste management	<ul style="list-style-type: none"><li>Operating a comprehensive hazardous waste management center in MIC and industrial non-hazardous waste management facility, in addition to a domestic waste transfer station</li><li>Managing effluents and waste, including through recycling programs and periodic inspections of our hazardous waste facilities</li></ul>

Conservation of biodiversity	<ul style="list-style-type: none"><li>Carrying out ecological surveys every three years to monitor and assess any significant environmental impacts from operations</li><li>Monitoring and conserving Qatar’s hawksbill turtles in seven sites across the country</li></ul>
An increasingly environmentally aware population	<ul style="list-style-type: none"><li>Creating environmental awareness through promoting different environmental topics such as energy efficiency, waste recycling, and preservation of biodiversity</li><li>Creating environmental awareness through sponsored community projects such as annual beach clean-up campaigns</li></ul>
Promoting sustainable environmental practices	<ul style="list-style-type: none"><li>Organizing hands-on campaigns such as tree planting, marine debris removal, and mangroves planting that engage both employees and local communities in environmental stewardship</li></ul>
Improved governance and outcomes	<ul style="list-style-type: none"><li>Deploying a core team to review, assess, and monitor QatarEnergy’s key sustainability matters</li><li>Fostering strong ethics, compliance, and transparency practices through a range of organizational policies (including the development of separate, stand-alone Environmental and Sustainability documents) that align with the principles outlined in our Code of Conduct and our related Ethics and Compliance Framework</li><li>Developing the Supplier Principles of Conduct to encourage sustainable business practices across our value chain</li></ul>



Human development

Development of all its people to enable them to sustain a prosperous society.

An educated population	Education and training	<ul style="list-style-type: none"><li>Offering non-technical education programs to help employees improve their performance and develop skills through engaging local and international trainers</li></ul>
	Improving knowledge transfer mechanisms	<ul style="list-style-type: none"><li>Supporting youth and new professionals through diverse talent attraction programs followed by knowledge sharing initiatives such as internships</li></ul>
Population: physically and mentally	Nurturing a healthy population	<ul style="list-style-type: none"><li>Maintaining a Health, Safety, Sustainability, and Environmental Policy and providing ongoing safety training, workshops, and communication</li><li>Establishing a Crisis Management Governance to respond to the pandemic through prevention, detection, and management</li><li>Supporting sector compliance with health requirements</li><li>Providing health education for employees, which they can then share with their families</li></ul>
	Managing occupational health and safety information to monitor and assess the health status of all employees	<ul style="list-style-type: none"><li>Offering various employee wellness initiatives, such as our bi-annual healthy lifestyle forums, to promote mental, physical, and emotional well-being</li><li>Providing occupational hygiene programs and procedures to help prevent occupational illnesses</li><li>Implementing programs like Asset Integrity Management and Process Safety Management, which reflect our commitment to protecting human life and the natural environment by a safe and reliable operation of assets</li><li>Having procedures in place such as protocols to prevent and contain major incidents, including fires, explosions, exposure to toxic substances</li></ul>
Capable and motivated workforce	Increased and diversified participation of Qataris in the workforce	<ul style="list-style-type: none"><li>Supporting the recruitment, educational sponsorship, and development of Qatari nationals</li><li>Cultivating business opportunities with local suppliers and contractors in Qatar</li><li>Leading the annual Qatarization Review Meeting for the Energy Industry Sector, to recognize companies for their accomplishments around Qatarization</li><li>Building leadership capability through leadership programs for top, mid-level, and frontline leaders with a focus on development of nationals</li><li>Conducting events/programs such as Ta'sees, which aims to engage and develop Qatari nationals</li></ul>

Social development

Development of a just and caring society based on high moral standards, and capable of playing a significant role in the global partnership for development.

Social protection	Social protection	<ul style="list-style-type: none"><li>Practicing Corporate Social Responsibility and annual sustainability reporting of our social, economic, and environmental impacts</li><li>Protecting our workers through a Workers' Welfare Standard to ensure everyone is treated with respect and dignity</li><li>Designing procedures to ensure our employees and their families get access to healthcare and wellness programs</li></ul>
A sound social structure	Enhancing public safety and security	<ul style="list-style-type: none"><li>Providing employees and contractors with ongoing Health, Safety, and Environment training</li><li>Adopting the 7 Star HSE Audit System to improve occupational health and safety in the workplace</li><li>Maintaining reporting of Process Safety Incidents to ensure that the recurrence of such incidents can be decreased</li></ul>

Economic development

Development of a competitive and diversified economy capable of meeting the needs of, and securing a high standard of living for, all its people for the present and for the future.

Economic management	Development of economic infrastructure	<ul style="list-style-type: none"><li>Investing in national energy and industry companies</li><li>Supporting innovation in research and development</li><li>Improving operational efficiency and reliability</li><li>Cultivating business opportunities with local suppliers and contractors in Qatar</li></ul>
Responsible exploitation of oil and gas	Efficient use of natural resources, which includes energy, oil, and gas	<ul style="list-style-type: none"><li>Improving resource efficiency for the sustainable development of the State of Qatar</li><li>Ensuring the successful implementation of our approach to mitigating the impacts of climate change to ensure efficient growth</li></ul>
	Reducing oil and gas costs to maximize efficiency	<ul style="list-style-type: none"><li>Continuing the integration of the Operational Excellence Program to exploit synergies between upstream and downstream operations</li></ul>
Suitable economic diversification	Building a diversified economy	<ul style="list-style-type: none"><li>Attracting foreign investment into Qatar and expanding Qatar's investments across the world</li><li>Cultivating business opportunities with local suppliers and contractors in Qatar</li><li>Focusing on innovation to identify new market/product potential for alternate, cleaner fuels</li></ul>



# NDS3 ambitions, targets, and actions relevant to QatarEnergy

Third National Development Strategy (NDS3) for the State of Qatar 2024–2030, prepared under the guidance of His Highness the Amir Sheikh Tamim Bin Hamad Al Thani, outlines the plan for the next phase of Qatar’s development journey towards realizing the Qatar National Vision 2030 (QNV 2030).

NDS3 is built around seven strategic national outcomes. Each strategic national outcome specifies Qatar’s ambitions and national targets for 2030 to achieve the ambitions. NDS3 also defines key actions required to be undertaken on a national level between 2024–2030, which will support in meeting the set targets. The following table summarizes the ambitions, targets, and actions within NDS3 relevant to QatarEnergy.

Further details of NDS3 are provided by National Planning Council.

<div>1 - Sustainable economic growth</div> <div>Adopt a sustainable growth model to transform into a competitive, productive, diversified, and innovative economy</div>	<div>Relevant ambitions:</div> <div><ul style="list-style-type: none"><li>Expanded core energy sector</li><li>Long-term competitive specialized clusters</li><li>A world-class business environment and trading hub</li><li>Scale-up of innovation eco-system</li></ul></div>
	<div>Relevant 2030 targets:</div> <div><ul style="list-style-type: none"><li>Overall GDP growth of 4%</li><li>Net FDI attraction of USD 100 billion</li></ul></div>
	<div>Relevant actions:</div> <div><ul style="list-style-type: none"><li>Strengthen role as a global energy leader and build a position in new emerging fields of low-carbon energy</li><li>Provide private sector incentives to build capabilities and improve operational efficiency</li><li>Provide incentives to the private sector to scale-up innovation</li><li>Further develop scientific research capabilities in key strategic areas</li></ul></div>
<div>2 - Fiscal sustainability</div> <div>Strengthen the long-term stability, health, and resilience of the government budget and its balance sheet</div>	<div>Relevant ambitions:</div> <div><ul style="list-style-type: none"><li>Sustainable fiscal budget and debt levels</li><li>Enhanced public expenditure efficiency and effectiveness</li></ul></div>
	<div>Relevant 2030 targets:</div> <div><ul style="list-style-type: none"><li>Sovereign credit rating of AA/Aa2 with stable outlook</li></ul></div>
	<div>Relevant actions:</div> <div><ul style="list-style-type: none"><li>Align planning and budgeting processes and implement program-based budgeting across government institutions</li><li>Streamline procurement to enhance efficiency, improve flexibility, and quality</li></ul></div>

<div>3 - Future-ready workforce</div> <div>Enable and develop citizens into globally competitive individuals and attract high-skilled expatriates as long-term partners in Qatar’s transformation journey</div>	<div>Relevant ambitions:</div> <div><ul style="list-style-type: none"><li>A skilled and productive labor force</li><li>Higher participation of Qataris across economic sectors</li><li>A motivated and more competitive talent base</li></ul></div>
	<div>Relevant 2030 targets:</div> <div><ul style="list-style-type: none"><li>Skilled and high-skilled jobs more than 46% of total workforce</li><li>2% labor productivity growth</li><li>More than 20% share of Qatari workforce in private and mixed sectors</li><li>&gt;18% of graduates in STEM fields</li><li>Average PISA score of 483</li></ul></div>
	<div>Relevant actions:</div> <div><ul style="list-style-type: none"><li>Deploy upskilling programs and incentives to increase enrolment of Qataris in the private sector</li><li>Enhance the higher education value proposition to increase access and better align programs with labour market needs</li><li>Strengthen early childhood education</li></ul></div>
<div>4 - Social cohesion</div> <div>Preserve Qatar’s values and strong family bonds, fostering active citizenship, an integrated community, and harmonious society to thrive in a globalized world</div>	<div>Relevant ambitions:</div> <div><ul style="list-style-type: none"><li>A decent standard of living for all individuals</li><li>Strong and resilient families</li><li>A participatory community that empowers vulnerable groups</li><li>Empowered women across all fields</li><li>Enhanced active citizenship</li></ul></div>
	<div>Relevant 2030 targets:</div> <div><ul style="list-style-type: none"><li>Workforce participation rate for people with disabilities of 30%</li><li>Volunteering rate of 10%</li></ul></div>
	<div>Relevant actions:</div> <div><ul style="list-style-type: none"><li>Empower civil society organizations and the private sector to provide social support</li><li>Strengthen support systems to empower women culturally, socially, economically</li><li>Expand the voluntary ecosystem and promote volunteering work in the country</li><li>Develop programs to advance responsible citizenship and participation</li></ul></div>



<b>5 - Quality of life</b> Provide quality of life for all through excellence in healthcare and public safety, with a vibrant cultural life, becoming a best-in-class environment for families	<b>Relevant ambitions:</b>	<ul style="list-style-type: none"><li>• Increased sport participation</li><li>• Functional &amp; accessible infrastructure</li><li>• Low crime and cybercrime</li></ul>
	<b>Relevant 2030 targets:</b>	Not Applicable
	<b>Relevant actions:</b>	<ul style="list-style-type: none"><li>• A national healthy lifestyle</li><li>• Introduce programs tailored for youth preferences and developmental needs</li><li>• Widen the accessibility and attractiveness of recreational facilities and public spaces</li><li>• Revamp capabilities to increase efficiency in combating cybercrimes</li></ul>
<b>6 - Environmental sustainability</b> Conserve natural resources, protect ecosystems, reduce emissions, and build resilience against future environmental threats	<b>Relevant ambitions:</b>	<ul style="list-style-type: none"><li>• Enhanced air quality</li><li>• Protected biodiversity</li><li>• Well-managed water resources</li><li>• A thriving circular economy</li></ul>
	<b>Relevant 2030 targets:</b>	<ul style="list-style-type: none"><li>• GHG emissions reduced by 25% relative to the business-as-usual</li><li>• 30% of Qatar’s land area and 30% of its marine area protected</li><li>• 30% of degraded natural habitats restored</li><li>• Groundwater extraction reduced by 70%</li><li>• 4,000 MW renewable energy capacity</li><li>• Water consumption reduction</li></ul>
	<b>Relevant actions:</b>	<ul style="list-style-type: none"><li>• Implement emission mitigation measures across key sectors, including oil and gas, power and water, transportation, and building, construction and industry</li><li>• Natural habitat and ecosystems protection and rehabilitation</li><li>• Ensure a reliable and sustainable water provision to safeguard the long-term availability of water resources, maintaining the quality of all water sources and promoting sustainable water conservation practices</li><li>• Integrate circular principles into industrial processes, encouraging the development and adoption of sustainable, resource-efficient practices</li></ul>
<b>7 - Government excellence</b> Become a world-class provider of government services to citizens, residents, businesses, and institutions, and a top nation for effective, efficient, and agile governance	<b>Relevant ambitions:</b>	Not Applicable
	<b>Relevant 2030 targets:</b>	Not Applicable
	<b>Relevant actions:</b>	Not Applicable



# Alignment to NCCAP

National Climate Change Action Plan (NCCAP) consolidates the State of Qatar’s efforts regarding climate change action under a single framework. NCCAP defines potential mitigation and adaptation measures that have been considered for Qatar. It also lays out the enablers for implementation of the action plan, which have to be developed to achieve a sustainable future.

The climate change mitigation measures cover the following local sectors: oil and gas; power and water; transportation; building, construction and industry; as well as other sectors.

Adaptation measures have been defined for sectors, which may be impacted by climate change. These include economy; infrastructure; water management; healthcare; biodiversity; food security.

Enablers for implementation, which require development include community awareness and communication; environmental education; technology research and development; incentives and legislation.

NCCAP targets a 25% reduction in Qatar’s GHG emissions by 2030 against a business-as-usual scenario with baseline year of 2019.

The following table highlights the mitigation measures, adaptation plans, and enablers relevant to QatarEnergy:

Climate change mitigation measures	Oil and gas:	<ul style="list-style-type: none"><li>• Energy efficiency program</li><li>• Fugitive methane emissions reduction</li><li>• Flaring reduction</li><li>• GHG reduction by exported energy</li><li>• CCUS</li></ul>
	Power and water:	<ul style="list-style-type: none"><li>• Renewable energy expansion</li><li>• Energy conservation in buildings</li><li>• Water conservation</li><li>• Enhance energy and water production efficiency</li></ul>
	Transport:	<ul style="list-style-type: none"><li>• Euro VI standard</li><li>• Electrification</li><li>• Improvements in shipping sector</li></ul>
	Building, construction, and industry:	<ul style="list-style-type: none"><li>• Recycling in construction</li><li>• Circular industrial practices</li><li>• Rooftop solar panels and energy savings</li></ul>
	Other sectors:	<ul style="list-style-type: none"><li>• Optimization of waste management</li></ul>

Adaptation measures	Economy:	<ul style="list-style-type: none"><li>• Balancing a hydrocarbon-based economy and a more knowledge-based economy</li><li>• Local investment</li><li>• Expanding and strengthening the national production base</li><li>• Creating opportunities for entrepreneurship development</li><li>• Innovation</li></ul>
	Water management:	<ul style="list-style-type: none"><li>• Reducing water consumption for industrial uses</li><li>• Improving energy efficiency in water production and supply chain</li><li>• Increasing use of recycled water</li><li>• Preserving groundwater</li><li>• Protecting and preserving marine and coastal environment</li></ul>
	Biodiversity:	<ul style="list-style-type: none"><li>• Improving technical knowledge of biodiversity in Qatar and creating biodiversity databases including species classification</li><li>• Conservation of biodiversity and building local capacities</li><li>• Achieving environmental balance</li><li>• Sustainable use of natural resources</li><li>• Equitably sharing the benefits of biodiversity</li><li>• Breeding and reintroducing endangered animals</li></ul>
Enablers for implementation	Community awareness and communication:	<ul style="list-style-type: none"><li>• Promoting environmental awareness and understanding of climate change</li><li>• Promoting positive societal and behavioral changes</li><li>• Cooperation and coordination amongst stakeholders</li></ul>
	Environmental education:	<ul style="list-style-type: none"><li>• Climate change and environmental issues training for professionals</li><li>• Improving knowledge and understanding of environmental science and climate change</li><li>• Developing skills to overcome climate change related challenges</li></ul>
	Technology research and development:	<ul style="list-style-type: none"><li>• Innovation and technology development and deployment for reducing emissions, environmental degradation, waste management, and water scarcity</li><li>• Establishing partnerships and supporting technical research</li></ul>



# GRI Standards content index





GRI standard	Disclosure	Reference
GRI 2: General disclosures 2021	2-1 Organizational details	“Corporate overview”
	2-2 Entities included in the organization's sustainability reporting	“About the report”
	2-3 Reporting period, frequency, and contact point	“About the report”
	2-4 Restatements of information	There were no restatements of information during the reporting period.
	2-5 External assurance	“About the report”
	2-6 Activities, value chain, and other business relationships	“Our portfolio”
	2-7 Employees	Performance data
	2-8 Workers who are not employees	Not disclosed
	2-9 Governance structure and composition	“Governance”
	2-10 Nomination and selection of the highest governance body	“Governance”
	2-11 Chair of the highest governance body	“Governance”
	2-12 Role of the highest governance body in overseeing the management of impacts	“Governance”
	2-13 Delegation of responsibility for managing impacts	“Governance”
	2-14 Role of the highest governance body in sustainability reporting	“About the report”
	2-15 Conflicts of interest	Not disclosed
	2-16 Communication of critical concerns	“Governance”
	2-17 Collective knowledge of the highest governance body	“Governance”

GRI 2: General disclosures 2021	2-18 Evaluation of the performance of the highest governance body	Not disclosed
	2-19 Remuneration policies	Not disclosed
	2-20 Process to determine remuneration	Not disclosed
	2-21 Annual total compensation ratio	Not disclosed
	2-22 Statement on sustainable development strategy	“Our sustainability strategy”
	2-23 Policy commitments	“Our standards and policies”
	2-24 Embedding policy commitments	“Living our values”
	2-25 Processes to remediate negative impacts	“Focusing on what matters”
	2-26 Mechanisms for seeking advice and raising concerns	“Living our values”
	2-27 Compliance with laws and regulations	“Governance”
	2-28 Membership associations	“Our membership in industry trade associations and voluntary sustainability-related initiatives”
	2-29 Approach to stakeholder engagement	“Focusing on what matters”
	2-30 Collective bargaining agreements	Not applicable
GRI 3: Material topics 2021	3-1 Process to determine material topics	“Focusing on what matters”
	3.2 List of material topics	“Focusing on what matters”
	3-3 Management of material topics	“Focusing on what matters”
GRI 201: Economic performance 2016	201-1 Direct economic value generated and distributed	Please refer to our latest Annual Review for QatarEnergy’s financial performance, available on <b>www.qatarenergy.qa</b>
	201-2 Financial implications and other risks and opportunities due to climate change	Not disclosed
	201-3 Defined benefit plan obligations and other retirement plans	Fully in compliance with the respective legislation of the State of Qatar
	201-4 Financial assistance received from the government	Not disclosed



<b>GRI 202: Market presence 2016</b>	202-1 Ratios of standard entry level wage by gender compared to local minimum wage	Not disclosed
	202-2 Proportion of senior management hired from the local community	Not disclosed
<b>GRI 205: Anti-corruption 2016</b>	205-1 Operations assessed for risks related to corruption	Not disclosed
	205-2 Communication and training about anti-corruption policies and procedures	“Performance data”
	205-3 Confirmed incidents of corruption and actions taken	Not disclosed
<b>GRI 302: Energy 2016</b>	302-1 Energy consumption within the organization	“Performance data”
	302-2 Energy consumption outside of the organization	Not disclosed
	302-3 Energy intensity	“Performance data”
	302-4 Reduction of energy consumption	“Performance data”
	302-5 Reductions in energy requirements of products and services	Not disclosed
<b>GRI 303: Water and effluents 2018</b>	303-1 Interactions with water as a shared resource	“Protecting local natural resources – air, water, and land”
	303-2 Management of water discharge-related impacts	“Protecting local natural resources – air, water, and land”
	303-3 Water withdrawal	“Performance data”
	303-4 Water discharge	“Performance data”
	303-5 Water consumption	“Performance data”
<b>GRI 304: Biodiversity 2016</b>	304-1 Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	Not disclosed
	304-2 Significant impacts of activities, products, and services on biodiversity	“Protecting habitats and biodiversity”
	304-3 Habitats protected or restored	“Protecting habitats and biodiversity”
	304-4 IUCN Red List species and national conservation list species with habitats in areas affected by operations	Not disclosed

<b>GRI 305: Emissions 2016</b>	305-1 Direct (Scope 1) GHG emissions	“Performance data”
	305-2 Energy indirect (Scope 2) GHG emissions	“Performance data”
	305-3 Other indirect (Scope 3) GHG emissions	Not disclosed
	305-4 GHG emissions intensity	“Performance data”
	305-5 Reduction of GHG emissions	“Performance data”
	305-6 Emissions of ozone-depleting substances (ODS)	Not disclosed
	305-7 Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	“Performance data”
<b>GRI 306: Effluents and waste 2020</b>	306-1 Waste generation and significant waste-related impacts	“Circularity and waste management”
	306-2 Management of significant waste-related impacts	“Circularity and waste management”
	306-3 Waste generated	“Performance data”
	306-4 Waste diverted from disposal	“Performance data”
	306-5 Waste directed to disposal	“Performance data”
<b>GRI 402: Labor management relations 2016</b>	402-1 Minimum notice periods regarding operational changes	Not disclosed



<b>GRI 403: Occupational health and safety 2018</b>	403-1 Occupational health and safety management system	“Operational responsibility”
	403-2 Hazard identification, risk assessment, and incident investigation	“Protecting our people”
	403-3 Occupational health services	“Protecting our people”
	403-4 Worker participation, consultation, and communication on occupational health and safety	“Protecting our people”
	403-5 Worker training on occupational health and safety	“Protecting our people”
	403-6 Promotion of worker health	“Protecting our people”
	403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	“Protecting our people”
	403-8 Workers covered by an occupational health and safety management system	“Performance data”
	403-9 Work-related injuries	“Performance data”
	403-10 Work-related ill health	Not disclosed
<b>GRI 404: Training and education 2016</b>	404-1 Average hours of training per year per employee	“Performance data”
	404-2 Programs for upgrading employee skills and transition assistance program	Not disclosed
	404-3 Percentage of employees receiving regular performance and career development reviews	“Performance data”
<b>GRI 405: Diversity and equal opportunities 2016</b>	405-1 Diversity of governance bodies and employees	Not disclosed
	405-2 Ratio of basic salary and remuneration of women to men	Not disclosed
<b>GRI 410: Security practices 2016</b>	410-1 Security personnel trained in human rights policies or procedures	Not disclosed

<b>GRI 413: Local communities 2016</b>	413-1 Operations with local community engagement, impact assessments, and development programs	“Sharing benefits with others”
	413-2 Operations with significant actual and potential negative impacts on local communities	Not disclosed
<b>GRI 416: Customer health and safety 2016</b>	416-1 Assessment of the health and safety impacts of product and service categories	“Product stewardship”
	416-2 Incidents of non-compliance concerning the health and safety impacts of products and services	Not disclosed
<b>GRI 418: Customer privacy 2016</b>	418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data	Not disclosed



# List of entities included in QatarEnergy's 2024 GHG emissions inventory





Equity holdings

The table below provides the list of subsidiaries, joint ventures, joint operations, and associates included in QatarEnergy’s GHG emissions inventory for 2024. The emissions were calculated using the equity share approach, in line with the GHG Protocol. Under this approach, GHG emissions are allocated based on QatarEnergy’s equity ownership interest in each entity. In some cases, the equity ownership interest may differ from the effective interest used in financial accounting.

Sr. No.	Entity	Country	QatarEnergy’s equity ownership at 31 Dec 2024
1	QatarEnergy LNG		(Note 1)
A	LNG Trains	Qatar	See A1-A8 rows below
A1	QatarEnergy LNG N(1)	Qatar	100%
A2	QatarEnergy LNG N(2)	Qatar	67.50% (Note 2)
A3	QatarEnergy LNG N(3)	Qatar	68.50%
A4	QatarEnergy LNG N(4)	Qatar	70%
A5	QatarEnergy LNG N(3 & 4)	Qatar	69.25% (Note 3)
A6	QatarEnergy LNG S(1)	Qatar	75.50%
A7	QatarEnergy LNG S(2)	Qatar	67.05%
A8	QatarEnergy LNG S(3)	Qatar	70%
B	Al Khaleej Gas (AKG)	Qatar	AKG-1: 0% AKG-2: 20%
C	Barzan Gas	Qatar	93%
D	Laffan Refinery	Qatar	72%
2	Dolphin Gas Project	Qatar	0% (Note 4)
3	Qatar Fertiliser Company (QAFCO)	Qatar	51%
4	Qatar Melamine Company (QMC)	Qatar	51%
5	Gulf Formaldehyde Company (GFC)	Qatar	35.7%
6	Qatar Fuel Additives Company (QAFAC)	Qatar	75.50%
7	Qatar Petrochemical Company (QAPCO)	Qatar	40.80%
8	Qatofin Company Limited (QATOFIN)	Qatar	25.97%
9	Qatar Vinyl Company (QVC)	Qatar	57.85%
10	Qatar Chemical Company (Q-Chem I)	Qatar	30.35%
11	Qatar Chemical Company II (Q-Chem II)	Qatar	30.35%
12	Ras Laffan Olefins Company (RLOC)	Qatar	29.04%
13	Petrochemical Corporation of Singapore PTE Ltd. (PCS)	Singapore	24.5%
14	The Polyolefin Company (Singapore) Pte Ltd. (TPC)	Singapore	14.7%
15	Pearl GTL	Qatar	0% (Note 4)
16	Oryx GTL	Qatar	51%

17	QatarEnergy Refinery	Qatar	100% owned by QatarEnergy
18	NGL Complex	Qatar	100% owned by QatarEnergy
19	Dukhan Operations	Qatar	100% owned by QatarEnergy
20	QatarEnergy Offshore	Qatar	100% owned by QatarEnergy
21	Al Khalij Field (Block 6)	Qatar	60%
22	North Oil Company (NOC)	Qatar	70%
23	Qatar Petroleum Development Co. Ltd. (Japan) (QPD) (Al Karkara and A-Structures fields)	Qatar	0% (Note 4)
24	Qatar Steel	Qatar	51%
25	Qatar Aluminium Limited (Qatalum)	Qatar	25.5%
26	Umm Al Houl Power Company (UHPC)	Qatar	5%
27	Qatar Power Company (QPOWER)	Qatar	0%
28	Ras Girtas Power Company (RGPC)	Qatar	15%
29	Mesaieed Power Company (MPCL)	Qatar	20%
30	Ras Laffan Power Company (RLPC)	Qatar	10%
31	Qatar Electricity & Water Company (QEWC)	Qatar	0%
32	South Hook LNG Terminal (SHLNG)	UK	67.5%
33	Gas Growth Integrated Project (GGIP)	Iraq	25%
34	Sepia	Brazil	21%
35	TotalEnergies E&P Congo (TEPC)	Congo	15%
36	Egyptian Refinery	Egypt	25.38%

- Note 1:** Emissions from common facilities are allocated to entities A-D based on respective ownership.
- Note 2:** N(2) venture consists of two LNG trains (trains 4 and 5). QatarEnergy has 70% equity in Train 4 and 65% in Train 5. For the purposes of GHG emissions accounting, we used 67.50%.
- Note 3:** N(3) & N(4) are identical LNG ventures and are operated by QatarEnergy LNG as a single operation. Therefore, their GHG is reported as a single number and the combined QatarEnergy equity for N(3) & N(4) for the purposes of accounting and reporting of GHG emissions is 69.25%.
- Note 4:** The Group’s interest in these joint operations is based on contractual terms of production sharing arrangement which vary from time to time.



# Assurance statements







LRQA Independent Assurance Statement  
Relating to QatarEnergy’s Assertion in the Sustainability  
Report 2024

This Assurance Statement has been prepared for  
QatarEnergy in accordance with our contract.

Terms of Engagement

LRQA was commissioned by QatarEnergy to provide  
independent assurance of its assertion for GHG (Greenhouse  
Gas) emissions inventory (vis-à-vis assessment standard,  
ISO14064-3:2019 Specification with guidance for the  
verification and validation of greenhouse gas statements)  
and HSE parameters for the Calendar Year 2024 against the  
assurance criteria (listed below) to a limited level of assurance  
and materiality of 5% using LRQA’s verification procedure.  
LRQA’s verification procedure is based on current best practice  
and is in accordance with ISAE 3000 and ISAE 3410.

Our assurance engagement covered QatarEnergy’s  
operations & its affiliates (as mentioned in Annex-1) in the State  
of Qatar and other countries and specifically the following  
requirements:

- Verifying conformance vis-à-vis:
  - QatarEnergy’s reporting methodologies for the selected datasets.
  - API Compendium 2021 for Greenhouse Methodologies for Oil and Gas Industries,
  - World Resources Institute / World Business Council for Sustainable Development Greenhouse Gas Protocol: A corporate accounting and reporting standard, revised edition Jan 2015 (otherwise referred to as the WRI/ WBCSD GHG Protocol) for the GHG data<sup>1</sup>.
- Reviewing whether the Report has taken account of:
  - International Petroleum Institute Environmental Conservation Association (IPIECA) sustainability reporting guidance - module 4 (indicators Env-3 to Env-6) and module 5 (indicators SHS3 and SHS6).
- Evaluating the accuracy and reliability of data and information for only the selected indicators listed below:
  - Direct (Scope 1), Energy Indirect (Scope 2) GHG emissions.

- And other Environmental and Health & Safety parameters as listed in Annex-2.

Our assurance engagement excluded the data and  
information of QatarEnergy’s scope-3 GHG emissions.

LRQA’s responsibility is only to QatarEnergy. LRQA  
disclaims any liability or responsibility to others as  
explained in the end footnote. QatarEnergy’s responsibility  
is for collecting, aggregating, analysing and presenting  
all the data and information within the Report and for  
maintaining effective internal controls over the systems  
from which the Report is derived. Ultimately, the Report  
has been approved by, and it remains the responsibility of  
QatarEnergy.

LRQA’s Opinion

Based on LRQA’s approach nothing has come to our  
attention that would cause us to believe that QatarEnergy  
has not, in all material respects:

- Met the requirements of the criteria listed above; and
- Disclosed accurate and reliable performance data and information as summarized in Table 1 below.

The opinion expressed is formed on the basis of a limited  
level of assurance<sup>2</sup> and at the materiality of 5%.

Table 1-A: Summary of QatarEnergy Key Data for Calendar  
Year 2024:

Scope of GHG emissions All Assets (excluding foreign entities)	Million Tonnes CO <sub>2</sub> e	Million Tonnes CO <sub>2</sub> e (On QatarEnergy equity ownership interest basis)
Direct GHG emissions (Scope 1)	97.6	42.9
Energy indirect GHG emissions (Scope 2, Location-based)	4.3	2.2

Note: In some cases, the equity ownership interest may differ  
from the effective interest used in financial accounting.

The above figures/data based on third-party verified  
assurance statements on GHG emissions. (Scope 2, Location-  
based) as well as (Scope 2, Market-based) are defined in the  
GHG Protocol Scope 2 Guidance.

Table 1-B. Summary of QatarEnergy Key Data for Calendar  
Year 2024

Scope of GHG emissions All Assets (including foreign entities)	Million Tonnes CO <sub>2</sub> e	Million Tonnes CO <sub>2</sub> e (On QatarEnergy equity ownership interest basis)
Direct GHG emissions (Scope 1)	103.5	44.3
Energy indirect GHG emissions (Scope 2, Location-based)	5.0	2.3

Note: In some cases, the equity ownership interest may differ  
from the effective interest used in financial accounting.

The above figures/data based on third-party verified  
assurance statements on GHG emissions. (Scope 2, Location-  
based) as well as (Scope 2, Market-based) are defined in the  
GHG Protocol Scope 2 Guidance.

LRQA’s Approach

LRQA’s assurance engagements are carried out in  
accordance with our verification procedure. The following  
tasks were undertaken as part of the evidence gathering  
process for this assurance engagement:

- conducting remote verifications and reviewing  
processes related to the control of GHG emissions  
data and records.
- interviewing relevant employees of the organization  
responsible for managing GHG emissions data and  
records; and
- assessing QatarEnergy’s data management systems  
to confirm they are designed to prevent significant  
errors, omissions or misstatements in the report as  
per QatarEnergy GHG Accounting and Reporting  
procedures and GHG Accounting and Reporting Plan.
- reviewing GHG Emissions for entities of QatarEnergy  
and its affiliates as mentioned in Annex-(1) based  
on review & verification of individual entity GHG

inventory summaries against GHG Emission  
Statements issued by an independent third-  
party verifier and with provided declaration of  
equities of such entities as applicable.

- reviewing the QatarEnergy Environmental and  
Health & Safety performance indicators and  
cross-verifying through monthly & quarterly  
performance reports, data checks by run  
reports from online systems and software  
applications in implementation.
- verifying historical GHG emissions data and  
records for Environment and Health & Safety  
parameters at an aggregated level for the  
calendar year 2024.

<sup>1</sup><http://www.ghgprotocol.org/>

<sup>2</sup>The extent of evidence-gathering for a limited  
assurance engagement is less than for a reasonable  
assurance engagement. Limited assurance  
engagements focus on aggregated data rather than  
physically checking source data at sites. Consequently,  
the level of assurance obtained in a limited assurance  
engagement is lower than the assurance that would  
have been obtained had a reasonable assurance  
engagement been performed.





Observations

Further observations and findings, made during the assurance engagement: none.

LRQA's Standards, Competence and Independence

LRQA implements and maintains a comprehensive management system that meets accreditation requirements for ISO 14065 Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation that are at least as demanding as the requirements of the International Standard on Quality Control and comply with the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants.

LRQA ensures the selection of appropriately qualified individuals based on their qualifications, training and experience. The outcome of all verification and certification assessments is then internally reviewed by senior management to ensure that the approach applied is rigorous and transparent.

LRQA is certification body for ISO 9001, ISO 14001, ISO 45001 for some of the entities of QatarEnergy Entities/ affiliates (E.g., QAFCO). We also provide this entity with a range of training services related to management systems. The verification and certification assessments, together with the training, are the only work undertaken by LRQA for these entities and as such does not compromise our independence or impartiality.

Singed

Dated: 24 July '25

Aamir Shakir

LRQA Lead Verifier

On behalf of  
**LRQA Quality Assurance and Inspection Middle East,**  
AlJaber Business Center W.L.L,  
Lusail, 1st Floor. P.O Box 23850, Doha, Qatar

LRQA reference: QAT00000072

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Annex 1

Assets (QatarEnergy owned & operated)

QatarEnergy Mesaieed Operations (NGL Complex)
QatarEnergy O&GP (Dukhan Operations)
QatarEnergy Offshore Operations (QatarEnergy Offshore)
QatarEnergy Refining Operations (QatarEnergy Refinery)

Assets (JV's – Joint Ventures)

Qatar Fertiliser Company (QAFCO)
Qatar Melamine Company (QMC)
Gulf Formaldehyde Company (GFC)
Qatar Fuel Additives Company (QAFAC)
Qatar Petrochemical Company (QAPCO)
Qatofin Company Limited (QATOFIN)
Qatar Vinyl Company (QVC)
Qatar Chemical Company (Q-Chem I)
Qatar Chemical Company II (Q-Chem II)
Ras Laffan Olefins Company (RLOC)
Pearl GTL
Oryx GTL
Al KhaliJ Field (Block 6)
North Oil Company (NOC)
Qatar Petroleum Development Co. Ltd. (Japan) (QPD) (Al Karkara and A-Structures fields)
Qatar Steel
Qatar Aluminium Limited (Qatalum)
Umm Al HouI Power Company (UHPC)
Qatar Power Company (QPOWER)
Ras Girtas Power Company (RGPC)
Mesaieed Power Company (MPCL)



Ras Laffan Power Company (RLPC)
Qatar Electricity & Water Company (QEWCo)
Dolphin Energy
QatarEnergy LNG

Foreign entities outside Qatar - QatarEnergy’s international JV (Joint Venture) sites.

South Hook LNG Terminal (SHLNG)
GGIP (Iraq)
Sepia (Brazil)
Egyptian Refinery (Egypt)
TEPC (Congo)
Petrochemical Corporation of Singapore PTE Ltd. (PCS)
The Polyolefin Company (Singapore) Pte Ltd. (TPC)

Note: LRQA refers to GHG emissions data from foreign entities as reported figures due to unavailability & inaccessibility to third party verified statements of foreign entities.

Annex 2-A - Environmental Parameters

Indicator	Unit	2024
Total Water Withdrawn (from all sources)	10^6 m³	331
Freshwater withdrawn	10^6 m³	8
Water recycled or reused	10^6 m³	24.9
SO₂ emitted	10^3 Metric Ton	74.261
NOx emitted	10^3 Metric Ton	10.898
VOC	10^3 Metric Ton	2.409
Particulate Matter (PM) Emitted	10^3 Metric Ton	1.046
Total waste recycled	10^3 Metric Ton	12.351
Total waste generated during the year	10^3 Metric Ton	171.876
Total Spill to the Environment (Hydrocarbon)	m³	108
Total number of turtle nest protected	Number	354
Total number of hawksbill turtle hatchling released to the sea	Number	14,987

Annex 2-B - Safety Parameters

Indicator	Unit	2024
Work hours - Total	10^6 hours	79
Work hours - employees	10^6 hours	17
Work hours - contractors	10^6 hours	62
Employee fatalities	Number	0
Contractor fatalities	Number	0
Total fatalities	Number	0
Employee total recordable injuries	Number	7
Contractor total recordable injuries	Number	33
Number of Tier 1 process safety events	Number	2
Number of Tier 2 process safety events	Number	4
Number of Tier 3 process safety events	Number	441
Employee lost time injuries	Number	5
Contractor lost time injuries	Number	17
Lost time injury rate (employees and contractors) (per 1 million working hours)	per 1 million working hours	0.28
LTIR of employees (per 1 million working hours)	per 1 million working hours	0.29
LTIR of contractors (per 1 million working hours)	per 1 million working hours	0.28
Total recordable injury rate (employees) (per 1 million working hours)	per 1 million working hours	0.41
Total recordable injury rate (contractors) (per 1 million working hours)	per 1 million working hours	0.54
Total recordable injury rate (employees and contractors) (per 1 million working hours)	per 1 million working hours	0.51

Note: Performance indicators in Annex 2-A and 2-B are for QatarEnergy Operated Assets only.





**Greenhouse Gas Verification Statement Number CCP256927/04/25 QEOA**

The inventory of Greenhouse Gas emissions in Calendar Year 2024 dated April 2025 of:

**QatarEnergy (operated assets)**

Doha,  
Qatar

Has been verified by SGS in accordance with ISO-14064-3:2019 to represent:

**5,665,156 Tonnes of CO<sub>2</sub>e Scope 1, Stationary combustion sources**

**665,462 Tonnes of CO<sub>2</sub>e Scope 2, (Location based)**

**6,330,618 Tonnes of CO<sub>2</sub>e Total, (Location based)**

and as having been compiled in accordance with:

**QatarEnergy Accounting and Reporting Procedure for Greenhouse Gas Emissions**

Authorised by

**Lisa Gibson**

Date: 14<sup>th</sup> April 2025

SGS United Kingdom Limited

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Cheshire CH65 3EN Tel +44 (0) 151 350 6666

[www.sgs.com/climatechange](http://www.sgs.com/climatechange)

This Statement is not valid without the full Greenhouse Gas Assertion and the verification scope, objectives, criteria and findings available on pages 2 to 3 of this Statement.

SGS has been contracted by QatarEnergy for the verification of the 2024 greenhouse gas emissions report of QatarEnergy operated assets in accordance with ISO 14064-3 - 2019.

**Roles and responsibilities**

The responsibilities of the management of QatarEnergy operated assets are to; Submit GHG data to QatarEnergy by reporting deadlines, monitor and report emissions in accordance with the A & R plan and QatarEnergy procedures, to provide access to accurate and transparent information to support the verification process and to respond to issues and requests for information, making corrections to the reported data where necessary, to allow a successful positive verification opinion to be reached.

It is SGS's responsibility, having collected and analysed sufficient evidence, to express an independent GHG verification opinion on the compliance of the reported emissions in relation to the verification criteria and whether the reported emissions contain errors, omissions or misstatements that would lead to an overall material misstatement.

**Verification Agreement**

The verification was based on the verification scope, objectives and criteria as agreed between QatarEnergy and SGS in the verification contract concluded April 2021.

**Objectives**

Verification Objectives for the engagement were for stationary combustion sources:

- To confirm that companies have applied the agreed emissions Accounting & Reporting methodology and implemented monitoring systems in accordance with their GHG A & R plan
- Through gathering of sufficient appropriate evidence, confirm that the reported emissions had been determined in accordance with the agreed monitoring and reporting plan and that they are not materially misstated
- To confirm that the company A & R Plan meets the appropriate guidelines

For Scope 2 emissions:

- To confirm that companies have determined emissions in accordance with the QatarEnergy Procedure for Greenhouse Gas emissions.
- Through gathering of sufficient appropriate evidence, confirm that the reported emissions are not materially misstated.

**Criteria**

Criteria against which compliance assessment were made are:

- QatarEnergy A & R Procedure for Greenhouse Gas Emissions including amendments for Scope 2 reporting
- EU Monitoring and Reporting Regulation (MRR2012) (CO<sub>2</sub>) with amendments for QE interpretation / IPCC Guidelines (CH<sub>4</sub> and N<sub>2</sub>O) for stationary combustion emissions
- Site Specific A & R plans
- Principles of Completeness, Consistency, Accuracy, Transparency, Faithfulness and Performance Improvement

**Scope**

GHG's: CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O

Boundaries: Company activities within Qatar as detailed in the facility accounting and reporting plan within the operated assets of:

- NGL
- Dukhan
- QatarEnergy Refinery
- QatarEnergy Offshore

Sources: Combustion sources, flares and process emissions, imported electricity

Reporting period: 2024 Calendar Year

Intended user of the verification statement: Internal use and external stakeholders

**Level of Assurance and Materiality**

The level of assurance applied was reasonable level of assurance. The materiality level applied was 2%

**Verification Process**

SGS' approach is risk-based, drawing on an understanding of the risks associated with calculating GHG emission information and the controls in place to mitigate these risks. Our examination included assessment, on a sample basis, of evidence relevant to the reporting of emission information.

We planned and performed our work to obtain the information, explanations and evidence that we considered necessary to provide a reasonable level of assurance that the reported GHG emissions for the period are fairly stated.

We conducted our verification with regard to the GHG assertion which included assessment of GHG information system and monitoring and reporting methodology.

This assessment included the collection of evidence supporting the reported data, and checking whether the provisions of the verification criteria, were consistently and appropriately applied.

**Verification Conclusion**

The GHG report for the period 1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024 of QatarEnergy operated assets disclosing emissions of 5,665, 156 metric tonnes of CO<sub>2</sub> equivalent Scope 1 stationary combustion emissions, 665,462 metric tonnes of CO<sub>2</sub> equivalent Scope 2 emissions (location based) and 6,330,618 cumulative metric tonnes of CO<sub>2</sub> equivalent, (location based), are verified by SGS to a reasonable level of assurance, consistent with the agreed verification scope, objectives and criteria listed above.

It is the opinion of SGS that the data quality management system, data quality and completeness of reporting are of sufficient quality when assessed against the verification criteria, not to have resulted in a material error.

This statement shall be interpreted with the GHG statement of Qatar Energy operated assets as a whole.



# Other supplemental information





# Glossary and acronyms

Glossary		Acronyms	
Term	Definition	Abbreviation	Definition
Aiming for Zero Methane Emissions Initiative	An industry-led effort that seeks to achieve near zero methane emissions from oil and gas operations by 2030.	3D	Three-dimensional
		AAQMS	Ambient air quality monitoring stations
		ADHD	Attention Deficit Hyperactivity Disorder
		AGP	Advanced Gas Path
		AI	Artificial Intelligence
Guideline	A documented recommended practice that supports the delivery of a policy, standard, procedure, or work instruction but has discretion or leeway in its implementation or use.	ALARP	As Low as Reasonably Practicable
		ATDU	Anaerobic Thermal Desorption Unit
		BBL	Barrel
Procedure	A document that details the step-by-step execution of an activity that must be followed at all times.	BCC	Business Conduct Committee
		BCM	Business Continuity Management
		BCMS	Business continuity management system
QatarEnergy Group	QatarEnergy and its consolidated subsidiaries and where the context requires, its joint operations, joint ventures, and associates.	BTU	British thermal unit
		CCS	Carbon capture and storage
		CCUS	Carbon capture, utilization, and storage
Scope 1 (Emissions)	Scope 1 emissions refer to greenhouse gas (GHG) emissions directly generated by activities or operations that are owned or controlled by the reporting organization.	CDM	Clean Development Mechanism
		CDR	Carbon dioxide removal
		CEMS	Continuous Emission Monitoring Systems
		CEO	Chief Executive Officer
Scope 2 (Emissions)	Scope 2 emissions refer to indirect greenhouse gas (GHG) emissions that are associated with the consumption of purchased or acquired electricity, heat or steam by an organization. These emissions are categorized as indirect because they occur as a result of activities outside of an organization's direct control but are still related to its operations.	CH <sub>4</sub>	Methane
		CI	Continuous Improvement
		CNG	Compressed Natural Gas
		CO <sub>2</sub>	Carbon dioxide
		CO <sub>2</sub> e	Carbon dioxide equivalent
		COSO	Committee of Sponsoring Organizations
		CSR	Corporate Social Responsibility
		CSSC	China State Shipbuilding Corporation
		CTO	Consent to operate
		CVMAS	Centralized Vessel Monitoring and Alerting System
Standard	A documented statement of minimum requirements or required activities that must be followed at all times.	DCA	Dukhan Concession Area
		DEL	Dolphin Energy Limited
		DFM	Drone Flux Measurement
		EE	Energy efficiency
		EHS&S	Environment, Health, Safety, and Security
		ELT	Executive Leadership Team
		EMS	Environmental Management System
		EOR	Enhanced oil recovery
		EPC	Engineering, Procurement, and Construction
		EPRS	Emergency Pipeline Repair System
		ERM	Enterprise risk management
		ESG	Environmental, Social, and Governance
		EU ETS MRR	European Union Emissions Trading System Monitoring and Reporting Regulation
		EVP	Executive Vice President
		FDI	Foreign Direct Investment
		FEED	Front-End Engineering and Design
		FID	Final investment decision
		FRP	Flare reduction project
		GDP	Gross Domestic Product
		GGEP	QatarEnergy's Group Governance Expectations Program
		GGFR	Global Gas Flaring Reduction
		GGIP	Gas Growth Integrated Project
		GHG	Greenhouse gas
		GJ	Gigajoule
		GRI	Global Reporting Initiative
		GRSP	Global Road Safety Partnership
		GTL	Gas-to-liquid
		GW	Gigawatt
		GWM	Groundwater monitoring



<b>H.E.</b>	His Excellency
<b>H.H.</b>	His Highness
<b>H<sub>2</sub>S</b>	Hydrogen sulfide
<b>HAZID</b>	Hazard Identification
<b>HAZOP</b>	Hazard and Operability Study
<b>HCFC</b>	Hydrochlorofluorocarbons
<b>HSE</b>	Health, Safety, Environment
<b>HSEMS</b>	Health, Safety, and Environment Management System
<b>HSEQ</b>	Health, Safety, Environment, and Quality
<b>HVAC</b>	Heating, Ventilation, and Air Conditioning
<b>HWTC</b>	Hazardous Waste Treatment Center
<b>IC</b>	Industrial City
<b>ICV</b>	In-Country Value
<b>IMS</b>	Integrated Management Systems
<b>IOC</b>	International Oil Company
<b>IOGP</b>	International Association of Oil & Gas Producers
<b>IPCC</b>	Intergovernmental Panel on Climate Change
<b>ISAE</b>	International Standard on Assurance Engagements
<b>ISO</b>	International Organization for Standardization
<b>IT</b>	Information Technology
<b>IUCN</b>	International Union for Conservation of Nature
<b>IVMS</b>	In-Vehicle Monitoring System
<b>JBOG</b>	Jetty boil-off gas
<b>JV</b>	Joint venture
<b>KPIs</b>	Key performance indicators
<b>kWp</b>	kilowatt-peak
<b>LDAR</b>	Leak detection and repair
<b>LED</b>	Light emitting diode
<b>LNG</b>	Liquefied natural gas
<b>LOPC</b>	Loss of Primary Containment
<b>LPG</b>	Liquefied petroleum gas
<b>LTIF</b>	Lost-time injury rate

<b>m<sup>3</sup></b>	Cubic meters
<b>MAHM</b>	Major accident hazards management
<b>MARPOL</b>	International Convention for the Prevention of Pollution from Ships
<b>MECC</b>	Ministry of Environment and Climate Change
<b>MgO-C</b>	Magnesia-carbon
<b>MGP</b>	Methane Guiding Principles
<b>MIC</b>	Mesaieed Industrial City
<b>MLN</b>	Million
<b>MMSCF</b>	Million standard cubic feet
<b>MMSCFD</b>	Million standard cubic feet per day
<b>MOI</b>	Ministry of Interior
<b>MPHC</b>	Mesaieed Petrochemical Holding Company
<b>MRO</b>	Maintenance, repair, and overhaul
<b>MRV</b>	Monitoring, reporting, and verification
<b>MSCI</b>	Morgan Stanley Capital International
<b>MTO</b>	Managing Threats and Opportunities process
<b>MTPA</b>	Million metric tons per annum
<b>MW</b>	Megawatt
<b>MWh</b>	Megawatt hour
<b>MWp</b>	Megawatt-peak
<b>NCCAP</b>	National Climate Change Action Plan
<b>NCSA</b>	National Cyber Security Agency
<b>NDS3</b>	Third National Development Strategy
<b>NFE</b>	North Field East
<b>NFS</b>	North Field South
<b>NFW</b>	North Field West
<b>NGL</b>	Natural gas liquids
<b>NORM</b>	Naturally occurring radioactive materials
<b>NOx</b>	Nitrogen oxides
<b>ODS</b>	Ozone-depleting substances
<b>OE</b>	Operational excellence
<b>OEM</b>	Original equipment manufacturer

<b>OEMS</b>	Operational Excellence Management System
<b>OGCI</b>	Oil and Gas Climate Initiative
<b>OGMP</b>	Oil & Gas Methane Partnership
<b>OH</b>	Occupational Health
<b>OT</b>	Operation Technology
<b>PHA</b>	Process Hazard Analysis
<b>PISA</b>	Programme for International Student Assessment
<b>PM</b>	Particulate matter
<b>PoC</b>	Proof of Concept
<b>PSC</b>	Production Sharing Contract
<b>PSE</b>	Process safety events
<b>PSFs</b>	Process safety fundamentals
<b>PSM</b>	Process Safety Management
<b>PTW</b>	Permit to Work
<b>PV</b>	Photovoltaic
<b>PWST</b>	Produced water secondary treatment
<b>QAFAC</b>	Qatar Fuel Additives Company
<b>QAFCO</b>	Qatar Fertiliser Company
<b>QAPCO</b>	Qatar Petrochemical Company
<b>Q-Chem</b>	Qatar Chemical Company
<b>QEWC</b>	Qatar Electricity and Water Company
<b>QGPC</b>	Qatar General Petroleum Corporation
<b>QMC</b>	Qatar Melamine Company
<b>QNV</b>	Qatar National Vision
<b>QP</b>	Qatar Petroleum
<b>QPD</b>	Qatar Petroleum Development Co Ltd. (Japan)
<b>QR</b>	Qatari Riyal
<b>QRA</b>	Quantitative Risk Assessment
<b>QRG</b>	Qatar Reference Gas
<b>QRSWG</b>	Qatar Road Safety Working Group
<b>QSTP</b>	Qatar Science & Technology Park
<b>QVC</b>	Qatar Vinyl Company
<b>REC</b>	Renewable Energy Certificate

<b>RGPC</b>	Ras Girtas Power Company
<b>RLIC</b>	Ras Laffan Industrial City
<b>RLIC-COP</b>	Ras Laffan Industrial City Community Outreach Program
<b>RLOC</b>	Ras Laffan Olefins Company
<b>RLPC</b>	Ras Laffan Power Company
<b>RTOC</b>	Real-Time Operations Center
<b>SCF</b>	Standard cubic feet
<b>SDS</b>	Safety Data Sheets
<b>SGE</b>	Statement of GHG emissions
<b>SMART</b>	Specific, measurable, achievable, relevant, and time-bound
<b>SOx</b>	Sulfur oxides
<b>SO<sub>2</sub></b>	Sulfur dioxide
<b>SRU</b>	Sulfur Recovery Unit
<b>STEM</b>	Science, Technology, Engineering, and Mathematics
<b>t</b>	Metric ton
<b>TOR</b>	Terms of Reference
<b>TRCF</b>	Total recordable case frequency
<b>TSE</b>	Treated sewage effluent
<b>UN</b>	United Nations
<b>UNEP</b>	United Nations Environment Programme
<b>UN SDGs</b>	United Nations Sustainable Development Goals
<b>USD</b>	United States Dollar
<b>VOC</b>	Volatile organic compounds
<b>VR</b>	Virtual Reality
<b>WBGT</b>	Wet Bulb Globe Temperature
<b>wt%</b>	Weight percentage



# Our membership in industry trade associations and voluntary sustainability-related initiatives

QatarEnergy is a member of numerous trade associations and voluntary initiatives that provide platforms for exchanging experience and encouraging best practices across a range of sustainability-related topics.

	Environmental sustainability and climate change	Human rights and social responsibility	Safety and technical standards	Technology and Innovation	Transparency and governance
Energy Institute (EI)			✓	✓	
Gulf Petrochemicals and Chemicals Association (GPCA)	✓		✓		✓
International Association of Oil & Gas Producers (IOGP)	✓	✓	✓		✓
IPIECA	✓	✓	✓		✓
Methane Guiding Principles (MGP) Coalition	✓		✓	✓	✓
OGMP 2.0	✓		✓	✓	✓