





# We began reporting on our economic, social and environmental performance voluntarily in 2012, when we launched our 2011 baseline sustainability report. This follow-up report demonstrates our commitment towards annual reporting, thereby increasing performance transparency and accountability to all our stakeholders. When developing this report, we used the Global Reporting Initiative (GRI) guidelines for sustainability reporting; a multi-stakeholder initiative with widespread credibility that provides a framework for companies to report on their sustainability performance.



"Through sustainability reporting, energy and industry stakeholders can demonstrate their commitment to the long-term growth and development of the sector while ensuring the alignment of their operations with the Qatar National Vision 2030 and the National Development Strategy 2011-2016."

> H.E. Dr. Mohammed Bin Saleh Al-Sada Minister of Energy and Industry Chairman and Managing Director, Qatar Petroleum

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Board of Directors' Chairman

It is my pleasure to present QAFAC's 2012 Sustainability Report to you, another milestone towards greater transparency and accountability to all our stakeholders.

As a member of the petrochemical industry in Qatar, QAFAC strives to establish a strong foundation for social, economic and environmental sustainability, while aligning its ambitions with Qatar's National Vision 2030 and Qatar's National Development Strategy 2011-2016.

To fulfil this role more effectively, we will continue to optimise the utilisation of the country's vast hydrocarbon resources to produce and export methanol and MTBE in a safe and environmentally friendly manner, while contributing to the social and economic development of Qatar and maximising shareholder value. These are vital steps towards achieving QAFAC's corporate vision: to be among the world's top five producers of methanol, its high value derivatives and butane sub-products by 2020.

Our achievements in the last few years demonstrate that we are on the right track. Our ongoing commitment to operational excellence, to Qatar and Qataris, and to our employees and the environment is helping us to build a strong foundation for our sustainabilit ambitions. Going forward, QAFAC will focus on implementing a 5-year sustainability strategy that will support and enhance its sustainability performance. In addition, our new Carbon Dioxide Recovery (CDR) Programme is an innovative solution that will simultaneously reduce QAFAC's total greenhouse gas emissions and capitalise on a commercial opportunity. Upon completion, QAFAC's CDR plant will become the first in the world to utilise CO2 captured from flue gas for methanol synthesis.

In recognition of our efforts, QAFAC received a runner-up award in 2012 for excellence in sustainability reporting and participation in the energy and industry sector's Sustainable Development Industry Reporting (SDIR) programme. It was presented by His Excellency Dr Mohammed bin Saleh Al-Sada, Minister of Energy and Industry and Chairman and Managing Director of Qatar Petroleum (QP). I would like to take this opportunity to thank His Excellency Dr Al-Sada for his vision and guidance in developing this important mechanism for supporting the sector's implementation of sustainability.

I reiterate QAFAC's ongoing commitment to meeting the highest standards of business excellence, and I invite you to explore this report in detail and provide your feedback on our journey.

My sincerest regards,





General Manager

As consumers become more discerning in their choice of fuel, and demand for clean fuels and derivatives increases, addressing sustainability challenges reduces business risk and strengthens trust and credibility in the marketplace. By fully committing to operate our facilities efficiently and sustainably while boosting output of safe, efficient and cost-effective products, we are responding positively to these trends and ingraining sustainability management throughout our organisation.

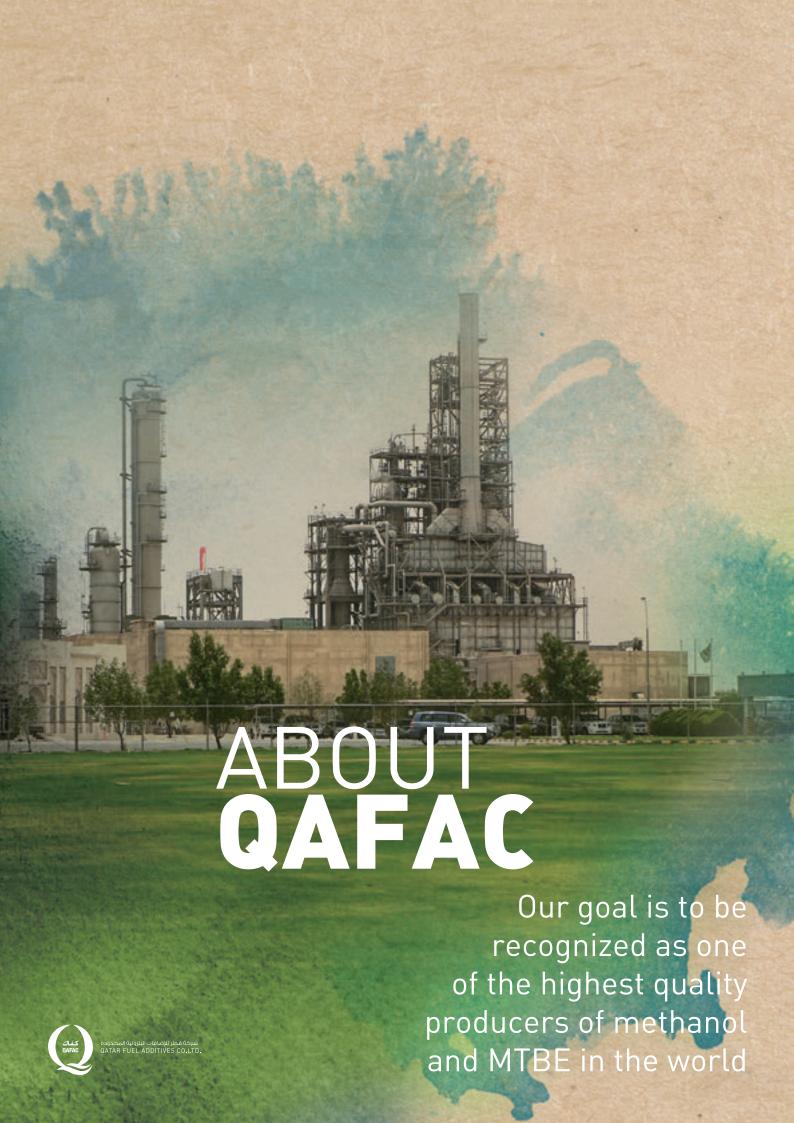
It is our fervent endeavour to be at the forefront of sustainability within the energy and industry sector in Qatar, and to significantly contribute to the sustainable development of our nation. Our approach to business excellence is strongly aligned with Qatar's National Vision (QNV 2030) and Qatar's National Development Strategy (NDS 2011/2016): the two national strategic frameworks that provide overarching goals to support the economic and social development of Qatar.

In the past year, we have strived to support Qatar's policy on Qatarization by increasing the number of Qataris in our workforce, while providing them with training and career development.

In addition, we completed 1,388 million man-hours without lost time injuries and provided more than 5,700 hours of training on aspects of health and safety to our employees and contractors. Other initiatives such as our "Flare Management Programme", the "Leak Detection and Repair" (LDAR) Programme, and the "Carbon Dioxide Recovery" (CDR) Plant, are helping us to create a more healthy environment for our children and future generations.

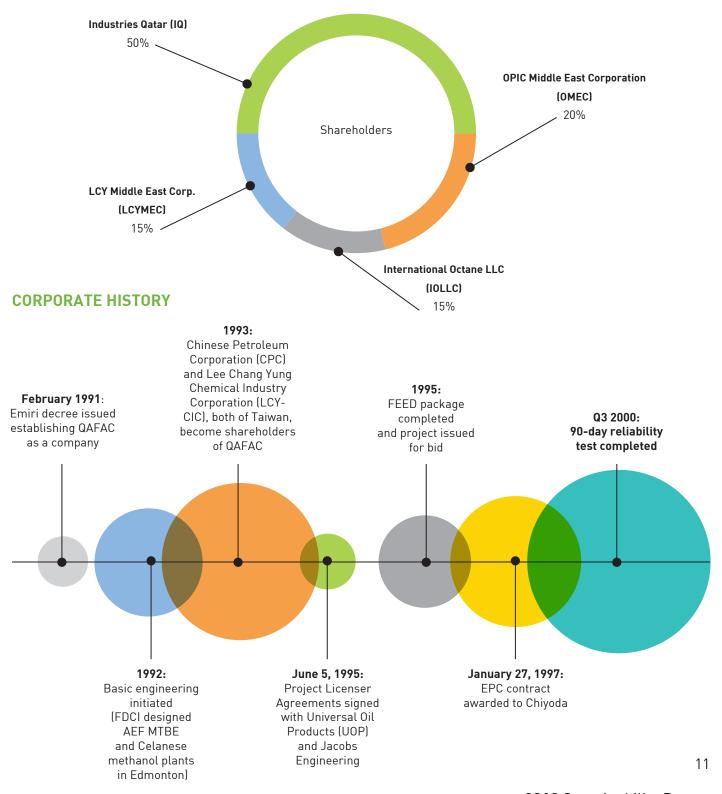
Following our exceptional performance in 2012, we are looking forward to an even better year in 2013 by focusing on developing a sustainable business strategy and implementation plan to enhance our economic performance, while ensuring the most responsible approach towards the environment and Qatari society. Our ultimate goal is to have our high operational standards recognised within our industry, as a result of our business excellence and by working in partnership with our stakeholders.

This report was developed with the intention of providing a transparent overview of our performance, conscientiously measuring and communicating the results to our stakeholders. Going a step further, we hope this will also serve as a tool to engage with you on our strategy and sustainability ambitions.



Qatar Fuel Additives Company, popularly known as QAFAC, is a joint venture between Industries Qatar, OPIC Middle East Corporation, International Octane LLC and LCY Middle East Corporation. The company, which is based in Mesaieed Industrial City, 50km south of Doha in Qatar, was established in 1991 and commenced its operations in 1999.

QAFAC is part of the nation's far-sighted strategic plan to diversify its petrochemical base and expand its downstream industries; aiming to optimise the utilisation of the country's vast hydrocarbon resources by producing and exporting methanol and methyl tertiary butyl ether (MTBE).



#### **VISION**

By 2020, QAFAC will be:

- Amongst the top five producers of methanol, its high value derivatives and butane sub-products;
- Recognised by the high standards of our operations;
- Continually fostering growth opportunities;
- Working in partnership with our stakeholders.

#### **MISSION**

Our purpose is to be an international producer of methanol, its high value derivatives and butane sub-products in a safe and environmentally friendly manner; contributing to the economic development of Qatar and maximising shareholder's value.

#### **VALUES**

QAFAC continues to refine its business processes, reduce operating costs and improve efficiency through the development of, and adherence to, a system of values. These values are:

- Focus on quality;
- Continued improvement of our processes and people;
- Open and honest communication;
- Enabling our people to reach their highest potential;
- Team-based approach to problem solving;
- Providing employment opportunities for the people of Qatar;
- Comprehensive planning.

#### Membership in Associations:

- Gulf Petrochemicals and Chemicals Association (GPCA)
- Air & Waste Management Association (A&WMA)
- Asian Clean Fuels Association (ACFA)
- Royal Society for the Prevention of Accidents (RoSPA)
- Methanol Institute (MI)
- Gas Processors Association (GPA)

#### **CORPORATE GOVERNANCE**

QAFAC strives to establish a positive organisational culture where relationships amongst the Board of Directors, Management Team, shareholders and stakeholders are transparent and accountable. Our governance structure is built on a strong commitment to ethics, and we comply with all Qatar's laws and regulations.

#### **BOARD OF DIRECTORS**

QAFAC's Board of Directors has eight members, and its composition is decided by direct shareholder nomination. The Board holds regular quarterly meetings with QAFAC's senior and executive management, a yearly General Assembly and ad hoc matters are dealt with by Walk around Resolutions. The board has an Audit Committee consisting of four members, which focuses on the integrity of QAFAC's financial statements; ethics and code of conduct process; system of risk management and internal controls; the internal and external audit process, and the process for monitoring compliance with laws and regulations. The Chairman of Board of Directors is not an Executive Officer and compensation of board members is linked to both individual KPI's and organization KPI's.







Hamad Rashid Al-Mohannadi (Chairman)



Nasser Khalil Al-Jaidah (Vice Chairman)



Nasser Jeham Al-Kuwari (General Manager)



Abdullah Saleh



James Wu



Bowei Lee

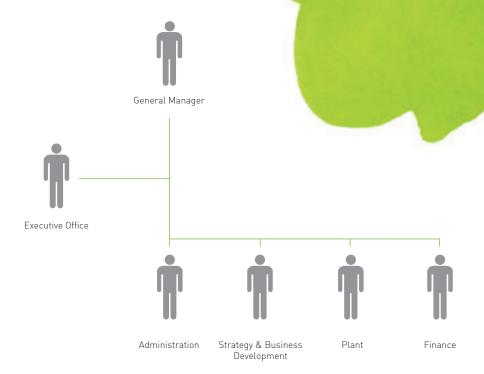


Chia-chao Yeh



Saad R. Al-Muhannadi

#### QAFAC'S ORGANIZATIONAL CHART





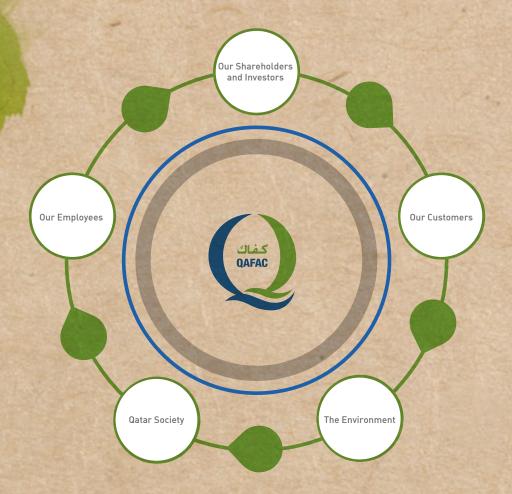
#### **ETHICS AND COMPLIANCE**

At QAFAC we are guided by the highest standards of ethical values, ensuring that honesty and integrity are our greatest strengths and fundamental to how we conduct our business. Employees are expected to conduct themselves ethically and in accordance with the law and QAFAC's Code of Ethical Conduct, which describes the guidelines governing professional conduct within the company. By ensuring that everyone across QAFAC is kept continually informed and understands the company's policies, we are reaffirming employees' shared commitment to company values.

Our Code of Conduct Committee ensures that all employees are abiding to our Ethical Conduct Guidelines, and our internal Audit Division ensures compliance with all laws and regulations. At QAFAC, any bribe of improper payment is prohibited. The company also ensures that relationships with suppliers, customers and other parties are based on lawful, efficient and fair business practices. In addition, QAFAC has a Conflict of Interest Policy in place to avoid conflicts between personal interests and those of the company. Each member of the Board files a Conflict-of-Interest Statement annually and, together with all employees, must declare any conflicts of interest as they arise. Seven internal audits were conducted during 2012.

#### MANAGING OUR STAKEHOLDER RELATIONSHIPS

Engaging in sustainability dialogue with our key stakeholders is of utmost importance, and promotes opportunities for collaboration. Main stakeholders identified are our shareholders and investors, customers, the environment, Qatari society, and our employees. By continuously engaging with them, we are cultivating honest and open communication; thus enabling us to respond to their needs and expectations. A stakeholder table outlining the dynamics of engagement with our stakeholders can be found in Appendix A.



#### SUSTAINABILITY STRATEGY AND FRAMEWORK

To perform in a global arena, companies within the energy and industry sector are increasing their levels of transparency and their commitment to responsible behaviour since the sector has, quite rightly, been under pressure to operate in a sustainable manner. A holistic approach towards enhanced performance that goes beyond effective health, safety and environmental practices is necessary to ensure the continuity and success of our business.

At QAFAC, we proactively began reporting on our sustainability performance in 2011; at the same time our senior management started increasing their understanding of the risks and opportunities associated with sustainability. At QAFAC, our commitment to excellence in management is one of our core values and represents our dedication to our stakeholders' most fundamental issues; examined and focused through the lens of QAFAC's vision, mission and values. The company is committed to furthering open communication of its policies, targets and performance, taking reporting and strategy to the next level over the coming years. This means we will ensure that all reports are credible and obtain the highest levels of assurance, while also implementing a 5-year sustainability strategy that will support us in enhancing our sustainability performance.

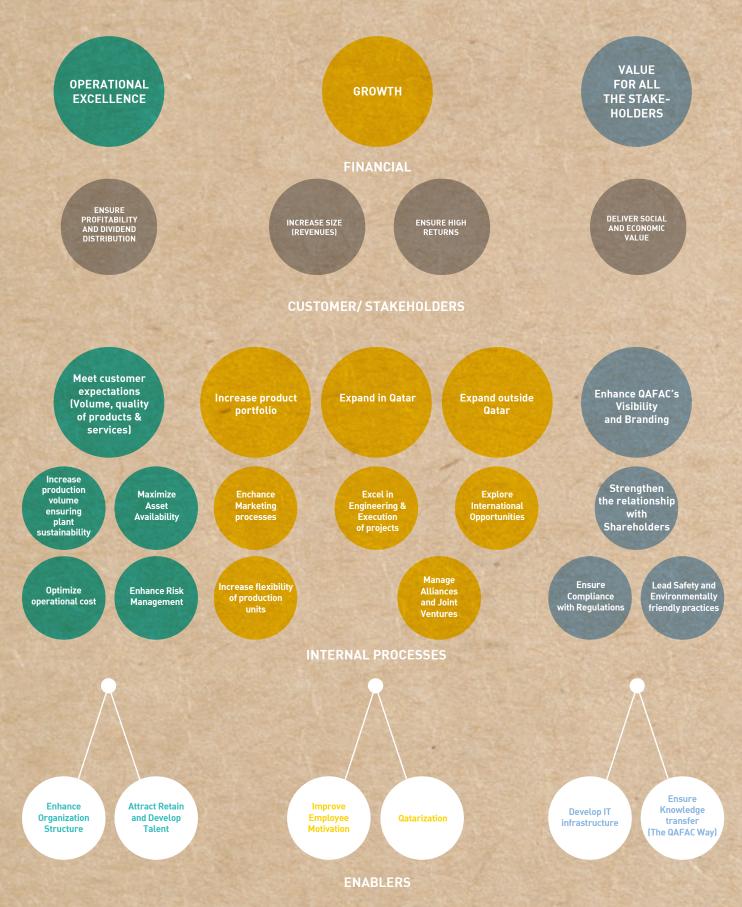
Our commitment to fulfilling Qatar's national mandate by proactively aligning our strategy with the Qatar National Vision 2030 (QNV) as well as with Qatar's National Development Strategy (NDS) 2011-2016 underpins our ambitions for the company. We also recognise the importance of sector guidance and we fully support the Sustainable Development Industry Report (SDIR) Programme; a key mechanism for the uptake of the sector's implementation of sustainability, now under the guidance of QP's HSE Regulations and Enforcement Directorate. This follow-up report was designed according to QAFAC's new sustainability framework created in alignment with the company's 2012-2020 strategic map. The framework highlights four main areas of focus and one overarching chapter that demonstrate our contribution to Qatar's national development ambitions.

"Sustainable Development is development that meets the needs of the present, without compromising the ability of future generations to meet their own needs."

From the World Commission on Environment and Development (Brundtland Commission, 1987)



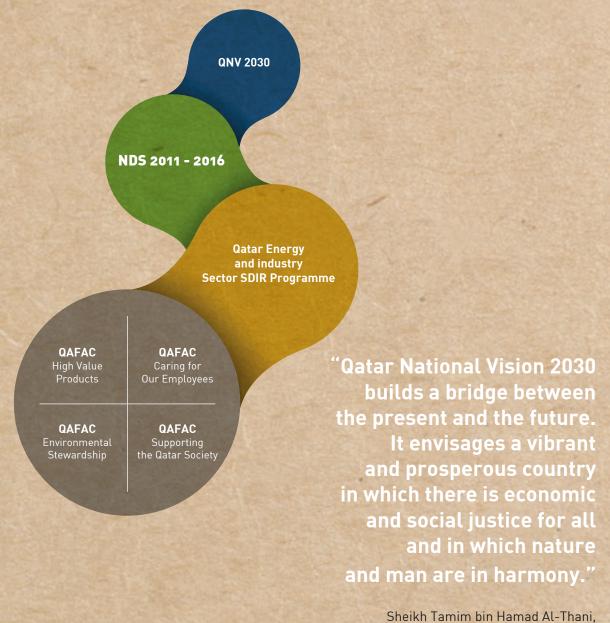
#### **QAFAC 2020 STRATEGY MAP**



#### **CONTRIBUTING TO QATAR'S NATIONAL AMBITIONS**

Qatar aims to achieve comprehensive and sustained development, providing high living standards for the entire nation. Launched in 2008, Qatar National Vision 2030 provides Qatar with clear future directions, whereby the state defines long-term outcomes for its economic, social and environmental development. To implement this vision, HH Sheikh Hamad bin Khalifa Al-Thani envisioned a step-by-step strategy that culminated in Qatar's first National Development Strategy 2011-2016; a plan that will turn each goal in the QNV 2030 into a concrete reality for Qatar.

The Qatar National Vision 2030 and National Development Strategy 2011–2016 are integrated within QAFAC's corporate mission, which is to be an international producer of methanol, its high value derivatives and butane sub-products in a safe and environmentally friendly manner; contributing to the economic development of Qatar and maximising shareholder's value. Besides directly contributing to Qatar's economic diversification plans, QAFAC's management is committed to strengthen the company's presence in the marketplace and to ensure a healthy, safe and high standard of living for its employees, stakeholders and all Qataris now and in the future. Furthermore, methanol's numerous applications in the marketplace, along with MTBE's specific environmentally friendly applications, make QAFAC well suited to achieving these goals. Methanol is considered to be a clean source of energy because it emits fewer toxins into the air and because it consumes carbon dioxide during production that would otherwise contribute to total GHG emissions.



Crown Prince of Qatar



#### THE SUSTAINABLE DEVELOPMENT INDUSTRY REPORTING (SDIR) PROGRAMME

The sustainable development of the energy and industry sector of Qatar is of fundamental importance to the Ministry of Energy and Industry and the State of Qatar. The State of Qatar considers environmental stewardship, economic growth, social progress, human development and responsible governance as essential components of sustainable development in the energy and industry sector. To support this vision, QP DG created the energy and industry sector's Sustainable Development Industry Reporting (SDIR) Programme which has become a key mechanism for supporting the sector's implementation of sustainability and Qatar's National Vision. In 2011, a total of 33 companies within the energy and industry sector in Qatar participated in the programme, and QAFAC is proud to be among them. QAFAC remains committed to business integrity, transparency of reporting and contributing to the SDIR programme effectively. The table below demonstrates our 2010-2012 performance on the set of 33 indicators selected by QP DG and outlined in the SDIR framework.

	Indicator	Unit	QAFAC's Performance		
			2010	2011	2012
1	Revenues	USD	570,000,000	921,000,000	927,768,000
, 5			Methanol=	Methanol=	Methanol=
Contribution 3		Contract of the Contract of th	0.879197	1.021872	0.843540
Tri 2	Production -	Million tonnes	MTBE= 0.512705	MTBE= 0.654549	MTBE= 0.610980
3	Number of jobs created	Number	0	-4	-9
4	Total GHG emissions (direct and indirect)	Tonnes Co <sub>2</sub> e	1,470,402	1,125,030	1,489,635
5	Total energy use	GJ	701,351	787,284	729,690
2	(direct and indirect)+				
9 e	Total flaring	Million NM3	193.700	184.400	173.051
7	Total natural gas used	Million m³	41.78	49.82	32.14
and Energy 8	Companies with active climate				
	change strategies	Number	0	0	0
9	Total fresh water use+	Million m³	1,17	1,29	1,40
10	SOx produced	Tonnes	62.8	120	93
11	NOx produced	Tonnes	1,091	1,329	1,235
12	Significant oil spills				
	(→ one barrel)	Number	0	0	0
13	Volume of spills	Litres	0	0	0
14	Total waste disposed	Tonnes	0	3,306	4,914
15	Waste recycled	%	0	0	0.55
16	Employee fatalities	Number	0	0	0
17	Contractor fatalities	Number	0	0	0
18	Employee lost time injury rate	Per 1 Mn m-h	0	2.17	0
19	Contractor lost time injury rate	Per 1 Mn m-h	0	0	0
20	Employee total reportable injury rate	Per 1 Mn m-h	2.22	2.17	0
<u>&gt;</u> 21	Contractor total reportable injury rate	Per 1 Mn m-h	0.84	1.94	0
	Employee occupational illness rate+	Per 1 Mn m-h	0	0	0
23					
70	/ process safety incidents	Number	0	0	0
24	Emergency response drills	Number	4	4	4
25	<u> </u>	%	95	32	95
	Workforce size	Number	304	300	291
	Female employment	%	3	3	3.6
	Employee satisfaction	%	N/A	N/A	N/A
29	3 31 1 7	Hours	5.5	9.2	15
	Qatarization	%	16.7	18	17.18
31		QR	752,616	1,230,276	1,185,593
	Goods and services sourced locally	%	75	52	67
31 32 33	Corruption or human rights incidents	Number	0	0	0



QAFAC recently received a certificate of appreciation from QP HSE Regulations and Enforcement Directorate (DG) in recognition of our efforts in contributing to the Sustainable Development Industry (SDI) Initiative launched by Qatar Petroleum. His Excellency Dr Mohammed bin Saleh Al-Sada, Minister of Energy and Industry and Managing Director of Qatar Petroleum, presented the certificate to Mr Nasser Jeham Al-Kuwari, Board Member and General Manager of QAFAC.



## High Value Products

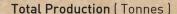
For over 12 years, QAFAC has produced methanol and MTBE of the highest quality, supplying it to local and international markets. We continuously fine-tune our production operations and our relationships, with both suppliers and customers, in order to reach new levels of quality. Our goal is to be recognized as one of the highest quality producers of methanol and MTBE in the world.



Hamad Rashid Al-Mohannadi QAFAC's Board of Directors Chairman

#### **OUR PRODUCTS**

At year-end 2012, our facilities produced 610,980 tonnes of MTBE (Methyl Tertiary Butyl Ether) and 843,540 tonnes of MEOH (Methanol). While MEOH is produced from natural gas supplied by Qatar Petroleum through steam reforming and MEOH synthesis, MTBE is produced by processing butane procured from QP, and MEOH procured in-house. Our MTBE is a fuel additive that enhances octane number in gasoline and reduces harmful vehicle air emissions and thus results in cleaner air, while MEOH provides alternative and cleaner fuel options in addition to being used as a raw material in a variety of other products.





Input Materials ( Tonnes )	2010	2011	2012	
Natural Gas	725,248	845,527	723,703	
Butane	372,809	481,938	445'318	

#### **METHANOL - TOUCHING OUR DAILY LIVES**

A truly global commodity, methanol is the basis for hundreds of chemicals and is considered one of the most versatile compounds developed. Methanol is a clear, colourless, flammable liquid that is both biodegradable and water-soluble and is present in thousands of products that touch our daily lives, including packaging, paints, refrigerants, carpeting and many others. In addition to being considered an important alternative energy source due to cheaper prices and cleaner emissions, it is also used as a hydrogen carrier in fuel technologies; an efficient fuel for electric power generation, and used for wastewater denitrification. QAFAC's Methanol plant is designed to produce 2500 metric tonnes per day of US Federal Grade AA methanol.



#### MTBE - CLEAN FUEL, CLEAN AIR

When the quest for a suitable replacement for lead began, the pursuit of new octane enhancers that reduce toxic emissions at the same time became the utmost priority. Since then, MTBE has become an intelligent choice. It is a convenient, technologically advanced and economical oxygenate alternative that is easy-to-blend, cost-effective, and is essentially a drop-in blending component for refineries. MTBE also produces the necessary high octane required in gasoline to ensure smooth and easier burning.

Our MTBE plant occupies some 65.5 hectares at Mesaieed Industrial City, the design of which is based on UOP technology. It produces around 1,830 metric tonnes per day or 610,000 metric tonnes per year by processing butane and methanol. MTBE is a colourless flamable liquid with a characteristic odour and an average octane number of 108. MTBE produced by QAFAC is also used by QP Refinery to replace lead in the gasoline that is marketed locally in Qatar. In the forecast period 2011–2020, the demand for MTBE is expected to grow at a compound annual growth rate of 5.9%, with the increasing market dominance of the Asia-Pacific region. QAFAC is working with QP to explore the possibilities of expanding our MTBE production in Mesaieed and Ras Laffan to satisfy growing local and external demand.

"QATAR has agreed to comply with EURO 5 gasoline grade and it is building a gasoline refinery in RLIC that will use MTBE as the oxygenate."

MTBE is the most commonly used oxygenate all over the world today.

## MTBE Reduces Emissions From all Types of Gasoline Vehicles, Regardless of Their Emission-Control Technology

#### How? How much? - CO: Reduces emissions by same % as content in petrol; - Each 1 or 2% of MTBE typically leads Oxygen allows more to a 1% reduction in total HC emissions; complete fuel combustion. - It is estimated that for each 1% of MTBE there is an equivalent percentage reduction in benzene emissions, both evaporative and exhaust. - Magnitude depends on MTBE content. vehicle emissions control technology, type/age of engine and driving cycle; High octane and other properties allow dilution - MTBE reduces direct VOC's Ozone of other less desirable gasoline Forming Potential (OFP); generates pool components. about half the ozone of typical gasoline hydrocarbons and one-tenth that of aromatics, and contributes to lower volatility.

#### Key story: QAFAC Sponsors Qatari Rally Driver

In 2012, QAFAC sponsored Abdullah Al-Kuwari's team for the Qatar National Rally for the 2012-2013 season. Al-Kuwari's car was partly fuelled by methanol and MTBE; clean burning fuels produced by QAFAC that reduce the tail gas pollution generated by a combustion engine, and are far more environmentally friendly than regular motor fuel.



#### PRODUCT AND SALES RELATIONSHIP BETWEEN QAFAC AND QP COMPANIES

As the Mesaieed Industrial City continues to grow, QAFAC's role in supplying neighbouring industries with raw materials continues to be fundamental in contributing to the economic development of Qatar. QAFAC has established a trading agreement with these industries and currently supplies MTBE to Qatar Petroleum (Refinery); methanol to QAFCO, Qatar Petroleum NGL, QAPCO and Qatar Acids Company. QAFAC receives butane and natural gas from Qatar Petroleum and CO2 from QAFCO.

QAFAC Sells		MTBE	Methanol
Qatar Petroleum (Refinery)			
Gulf Formaldehyde Company (QAFCO)			
Qatar Petroleum NGL	20		
Qatar Petrochemical Company (QAPCO)			
Qatar Acids Company			
QAFAC Buys			
Qatar Petroleum		BUTANE	NATURAL GAS
QAFCO		CO <sub>2</sub>	

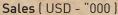






#### MARKET SERVED GLOBALLY

Total sales reached US\$ 930 million in 2012, a 7.7% increase over 2011's sales and exponential growth of 190% over 2010's sales. Asia remains our biggest market for both MTBE and MEOH, representing 65.6% of our total sales in 2012; and the Middle East increasing from 1.74% in 2010 to 25.49% of total sales in 2012.





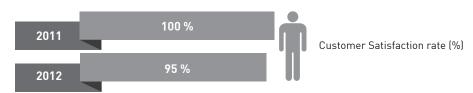
Sales by region as percentage of to	al sales	2010	2011	2012
Qatar	МЕОН	1.22%	0.98%	1.47%
Middle East	MTBE	1.74%	31.60%	25.49%
Europe	MTBE	9.21%	0.63%	3.42%
S. America	MTBE			4.07%
Asia (Except the Middle East)	MTBE	55.15%	40.78%	43.70%
Asia (Except the Middle East)	МЕОН	32.68%	26.00%	21.85%
% MTBE		66.09%	73.02%	76.68%
% MEOH		33.91%	26.98%	23.32%



#### **CUSTOMER SATISFACTION**

QAFAC is committed to maintaining the highest customer satisfaction rates, by meeting customer's expectations and demands. Prior to 2009, QAFAC's products were sold and marketed solely by our shareholders; they are now marketed directly by QAFAC. This has improved relationships with customers through direct communication and business transactions. Customer satisfaction surveys are conducted annually, and are important tools to collect feedback from our customers. In 2012, our customer satisfaction rate was 95%, slightly below 2011's figure when we achieved 100% rating.

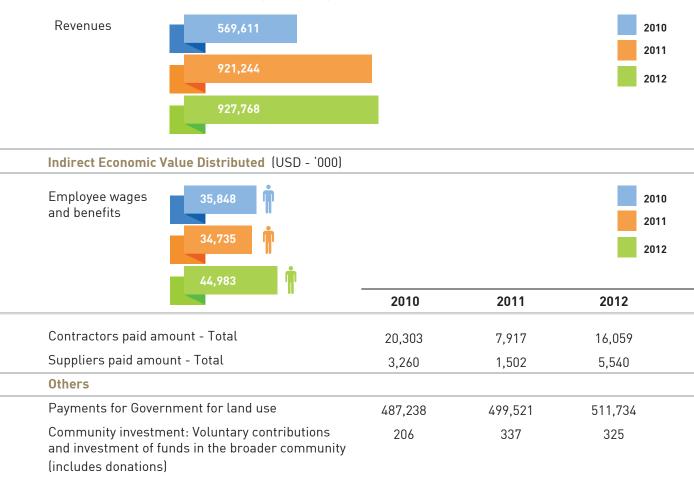
#### **Customer Satisfaction**



#### DIRECT AND INDIRECT ECONOMIC IMPACT

QAFAC is committed to continued strong financial performance by maintaining its products' unique characteristics and ensuring continued contribution to Qatar's economic diversification in an environmentally conscious way. QAFAC has consistently improved its revenues over the last three years due to improved prices and strong demands for its products. Total revenue in 2012 reached (USD) 927,768,000; a 63% increase over 2010's revenue, but remained stable over 2011's revenues despite it was predicted to decrease. Moreover, this increase in revenues was achieved while simultaneously investing more than (USD) 325,000 in community activities in 2012 and increasing total employee's wages and benefits by almost 30%.

#### Direct Economic Value Generated (USD - '000)



# Caring for Our Employees

QAFAC employees are of paramount importance to the success of our business. Our business family is driven by the company's vision and values, and we are committed to maintaining a diverse, fulfilling and healthy working environment. It is our top priority to ensure high levels of Qatarization, the creation of new jobs, and that we contribute to the overall social and economic development of Qatar.





#### **WORKFORCE PROFILE**

At year-end 2012, QAFAC's workforce comprised 291 full-time employees, 50 of whom were Qatari nationals. QAFAC intends to continue to support the Qatar National Vision by creating new jobs and providing training and development opportunities.

Workforce	2010	2011	2012	
Total workforce	304	300	291	
By employment level				
Senior Management	9	8	10	
Middle Management	28	27	8	
Staff	267	265	273	
By gender				
Female	10	9	11	
Male	294	291	280	
By age				
Workforce by age 18-30	53	47	28	
Workforce by age 31-40	76	65	55	
Workforce by age 41-50	134	135	116	
Workforce by age 51-60	41	53	92	
By Nationality				
Qatari Nationals	51	54	50	
Expatriates	253	246	241	

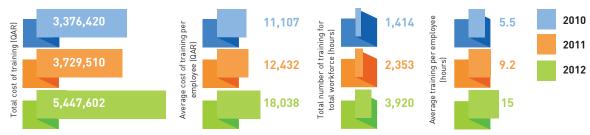
#### EMPLOYEE TRAINING AND DEVELOPMENT

To ensure that the best talent is retained and turnover is kept at low rates, QAFAC has designed a competency-based training development programme with a strong focus on developing the knowledge and capacity of our employees. In 2012, we invested (QAR) 5,447,602 in employee training; an increase of 46% compared to 2011. At QAFAC, all managers, from the line manager to the general manager, are involved in assessing employee's training and development needs; continually taking their career plans and ambitions into account. QAFAC is also firmly committed to providing equal opportunities in all aspects of training. The majority of our female employees work in administration roles, where training requirements are different in duration compared to technical training.

The goals of QAFAC's training and development policy have been established as follows:

- To attract and develop national and expatriate employees with necessary skills and abilities to continue its operation and competitiveness.
- To ensure nationals with good education background and potential are recruited, developed and retained for career development in QAFAC so as to achieve the overall objectives of Qatarization.
- To keep employees abreast of changes and development of job related technology and standards.

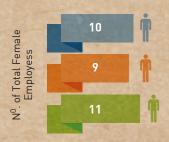


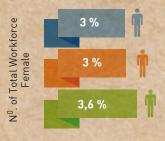


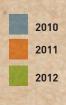
#### **WORKPLACE DIVERSITY**

Due to the nature of our business, female employees comprised only 3.6% of total workforce, mainly taking administrative roles. This figure is below the average for petrochemical companies in Qatar, which registered an average 13% of female employment. It is the company's constant endeavour to support and provide equal opportunities for its female employees and QAFAC is committed to continue improving these numbers.

#### **Female Employment**









#### **EMPLOYEE INTERVIEW**

Name: Miss Buthaina Shaheen Al-Kuwari

Position: Head of IT Department: IT Nationality: Qatari

Length of time working at QAFAC: 7 months

#### Why QAFAC?

Before joining QAFAC, I had little information about the work environment here but now I can tell you that I took the right decision. It is really enjoyable finding a place where you can exercise your creative experience. I believe the key success here is the great support we are getting from the higher management in addition to the wonderful relationships between people. It's hard to find a working environment like this one nowadays.

## What is it like to be a woman in a male-dominated industry?

To be honest, I used to like the challenge and I believe Qatari women have proven their ability to succeed in the sectors that used to be handled by males. I am getting full support here and I can say that QAFAC is one of the best companies in empowering females. We get all that we need here. It is really a healthy environment for females.

#### **EMPLOYEE ENGAGEMENT AND RECOGNITION**

QAFAC has established a range of communication channels to ensure an open culture among management and employees to guarantee clarity and promote understanding of our employees' needs. The company has an 'Employee of the Quarter' scheme as part of its reward and recognition strategy. The aim is to recognise and reward outstanding achievement in the workplace and the scheme is organised on a regular quarterly basis. QAFAC's Succession Plan and Training and Development policies, in addition to a range of benefits offered to our staff, help ensure strong employee satisfaction and development. At year-end 2012, turnover rate decreased to 0.3%, a significant decrease compared to previous years. Furthermore, all employees received annual performance and career development reviews in 2012.

Turnover rates	2010	2011	2012
Turnover rate (%)	3%	5%	0.3%
Total number of employees			
who left the organisation	9	15	1
By employment level			
Senior Management	2	3	0
Middle Management	3	2	0
Staff	4	10	1
By gender			
Female	1	0	1
Male	8	15	0
By age			
Workforce by age 18-30	0	3	0
Workforce by age 31-40	2	3	0
Workforce by age 41-50	4	7	1
Workforce by age 51-60	3	2	0
Employee Satisfaction			
Employees receiving regular performance			
and career development reviews	100%	100%	100%

#### Key story: Long Services Award for employees

QAFAC Hosted celebration at Al-Sharq hotel on the occasion of the Long Services Award for employees marked 5 & 10 Years continuous Services with the company. Commemorative gifts were presented by the General Manager, Mr. Nasser Jeham Al-Kuwari who offered his own personal congratulations to those who were being honoured and he continued the fact that we have so many people here who completed 5 and 10 years of their working life in QAFAC which demonstrate their strong belief that they have in QAFAC. At the end, on behalf of Management Team, he thanked for the continued belief of the employees in contributing to QAFAC shared goals.

#### **HUMAN RIGHTS AND DISCRIMINATION**

QAFAC adheres to all laws relating to worker's rights, and follows international guidelines. Overtime is duly compensated and employee passports are not retained. The company also takes significant steps to help ensure that there are no violations of worker's rights, including forced or compulsory labour among contractors. QAFAC abides by Qatari laws and prohibits the hiring of employees under the age of 16. The company believes that discipline is essential for the efficient conduct of operations, and conducts rapid grievance procedures at all levels to the satisfaction of both the company and the employees concerned. No incidents of discrimination were recorded during the reporting period.

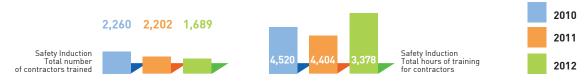
#### OCCUPATIONAL HEALTH AND SAFETY

At QAFAC, health and safety concerns are the responsibility of every team member. QAFAC management has established systems and procedures to ensure the health, safety, and emergency preparedness of the organisation as a whole. Our occupational health department, led by an occupational health nurse, conducts training sessions in health awareness and preventative practices as part of the overall HSE training regimen. The Health, Safety and Environment (HSE) department also oversees medical examinations of all employees every two years, coordinates health campaigns in collaboration with Mesaieed Health Centre and administers emergency treatment. QAFAC's HSE department conducts frequent training sessions that integrate all aspects of health, safety and environmental issues.

#### QAFAC is a member of The Royal Society for the Prevention of Accidents (RoSPA)

Occupational Health and Safety	2010	2011	2012
LTIF, overall	0	1.02	0
LTIF, contractors	0	0	0
LTIF, staff	0	2.17	0
TRIR, overall	1.22	2.05	0
TRIR, contractors	0.84	1.94	0
TRIR, staff	2.22	2.17	0
Fatalities	0	0	0
Working hours	1,634,922	976,03	1,388,066

#### Contractors - Safety Induction



Employee Safety Training by type	2010	2011	2012	
ERT training (hours)	584	664	1,176	
Permit to Work Authorization (hours)		1,312	176	
ERT First Aid Training (hours)	54	84	48	
Safety Induction – Trainees (hours)			36	
Safety Induction – Employees (hours)	12	20	34	
ERP - Emergency Response Procedure (hours)			696	
Safety Watch	216		168	
Hi – Angle Recue and Confined Space	336			
Jetty Operator Training	120			
Fire Warden	8			
Total employees training on Safety (hours)	1,330	2,080	2,334	

- 117 Employees attended PMC in 2012;
- 246 employees and 39 contractors attended the clinic in 2012;
- 48 employees are Health Club members;
- 58 employees participated in Weight Loss Campaign.



#### **EMPLOYEE INTERVIEW**

Name: Khurram Babur Mukhtar Position: Environment Technician

Department: HSE Nationality: Pakistan

Length of time working at QAFAC: 14 months

#### Why QAFAC?

This company's successful strategies, good reputation and values make it head and shoulders above its competition. I well understand that this is a company on the way up. This job is a good fit for what I've been interested in throughout my career. It offers a nice mix of short and long-term activities. The buzz on this company is that it rewards people who deliver solutions to substantial problems.

### What Are the Trainings You Have Received?

I have attended the training for internal auditing of integrated management system. Internal auditing is a high-value skill and I am actively involved in internal auditing of QHSE management systems. I am also included in the list of certified internal auditors.

#### How Do You Perceive QAFAC's Approach Towards Ensuring Employee Health and Safety?

QAFAC puts people first. The company's emphasis on safety, health and environmental protection is the right thing to do to ensure a healthy and safe working environment, while reducing costs and enhancing productivity. Safe production without harm to the environment is always the company's goal, and QAFAC is committed and striving to improve health, safety & environmental performance every day.

Here, employees are obliged to show that they have taken "all practicable steps" to maintain a safe working environment by using the following procedures: HSE Observation Scheme and accident reporting and investigation. In conclusion, QAFAC's really cares for its people and the environment, and this has had a positive effect on most other aspects of our plant's operations.



QAFAC achieved certification to BS OHSAS 18001:2007 International Standard; an Occupational Health and Safety Management System from the certification body, TUV SUD Middle East LLC. The certification demonstrates QAFAC's ongoing commitment to protecting the health and safety of its employees, contractors and other personnel working for the company by managing and controlling its risks at the workplace to prevent against human injury and ill health. QAFAC embarked on management system certification back in 2004 and attained its first certification to ISO 14001:2004; an Environmental Management System, in 2005. Subsequently, the company achieved ISO 9001:2000 Quality Management System certification in 2007. Ever since its inception, the company has strived for improvement in systems to ensure continued suitability and effectiveness.



# Environmental Stewardship

There is no longer any excuse for ignoring the damage which greenhouse and other gases produced in the production of energy fuels can cause to the planet. The only way forward is to invest in technologies that prevent damage, and make production processes as green and efficient as possible. It is the responsibility of all those involved in the industry to take the lead and seek out those technologies and processes which can contribute to the fight against climate change. QAFAC is proud to play its part in cutting harmful industrial gases and has a leading role as an environmentally conscious company.gases and play a leading role an environmentally conscious company.





#### Our Environmental Management System

At QAFAC, we believe in comprehensive planning in order to create strong systems and processes for all of our operations. Our Environmental Management System (EMS) encompasses all the environmental policies and procedures that govern our processes, and provides a structured approach to all major environmental issues. It is the responsibility of each of QAFAC's employees to fully understand and practice our environmental policies. QAFAC's EMS was awarded the ISO 14001 certification in 2004, which was renewed in 2008 and 2011, demonstrating its continued high quality. In line with the philosophy behind our EMS, we have established strong auditing programmes and routines, including: An EMS internal audit, conducted every six months; third-party surveillance audits, conducted annually; third-party re-certification audits, conducted every three years.

QAFAC's total direct and indirect energy consumption for the year 2012 decreased by 7.5%, reaching 729,690 gigajoules. The company's largest energy consumption source is electricity that is heavily used to power the production plants, and is supplied by Kahramaa: Qatar's national energy grid. Total electricity consumption for the year was 727,870 gigajoules, and diesel consumption increased exponentially from 583 gigajoules in 2011 to 1,718 gigajoules in 2012 as a result of five operational shutdowns in 2012. QAFAC recognises the importance of the reduction of energy consumption with the goal of minimising climate change impact. We continually track and record our annual energy consumption, seeking to implement measures to reduce future consumption.

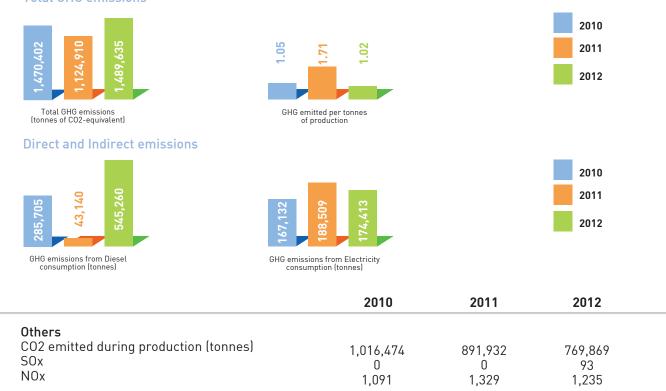
#### **Direct and Indirect Energy Consumption**



#### **GHG EMISSIONS**

QAFAC is continually improving its GHG emissions calculation to meet international standards, while taking into account its specific operations. Total greenhouse gas emissions increased to 1,489,635 tonnes CO2 equivalent in 2012, a 32% percent increase over 2011's emissions. However, tonnes of greenhouse gas emitted per tonne of production decreased by 40%, from 1.71 to 1.02 tonnes.

#### Total GHG emissions

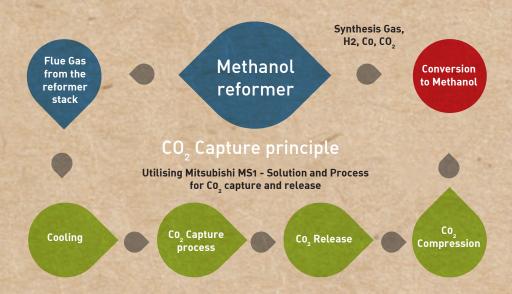


#### **CLIMAT CHANGE**

Qatar is taking a leadership role in advancing strong solutions to avoid financial implications and other risks due to climate change issues. Its energy and industry sector has played a pivotal role in meeting the growing demand for energy, while providing cleaner energy that reduces or eliminate greenhouse gas emissions. Through a range of initiatives targeted at minimizing QAFAC's contribution to Qatar's total emissions, QAFAC has been active in implementing innovative solutions to reduce its own impact on the environment. QAFAC's air emissions, resulting from daily operations and energy consumption, form the main component of QAFAC's impact on climate change. The company directly monitors and utilizes sophisticated technology and programs to reduce or eliminate emissions, such as the LDAR (Leak Detection and Repair) program, Flare Management Program and the Carbon Dioxide Recovery (CDR) plant.

#### CASE STUDY: CARBON DIOXIDE RECOVERY (CDR) PLANT

Stepping up to the climate change challenge and playing our part in fulfilling the vision, we looked for innovative ways to reduce our greenhouse gas emissions into the atmosphere. The CDR, in partnership with Mitsubishi Heavy Industries (MHI), is an innovative solution that reduces QAFAC's total emissions and meets a business need by reusing the recovered CO2 in our methanol production, thus fulfilling our CO2 requirements. The CDR plant will be the first plant to recover carbon dioxide from a methanol plant and re-inject it into methanol production, and is the largest plant of its kind built by MHI. Moreover, the plant will recover 35m3 of water per hour from flue gas, which will be re-used in the production process. This is expected to reduce the company's total water intake by 16% based on the latest intake figures.



#### **CDR Project Mission:**

QAFAC will recover 500 T/Day of the greenhouse gas CO2 from its methanol reformer stack and will be injecting it in its existing methanol plant to enhance the production capacity.

#### This is equivalent to:

- CO2 absorbed by 4,200,000 trees in ten years \*
- CO2 emitted by 32000 vehicles/year \*\*
- \*U.S. DOE (1998). Method for Calculating Carbon Sequestration by Trees in Urban and Suburban Settings.

  Voluntary Reporting of Greenhouse Gases, U.S. Department of Energy, Energy Information Administration.
- \*\* EPA (2009)\_Inventory of U.S Greenhouse Gas Emissions and Sinks: 1990-2007



#### **FUGITIVE EMISSIONS**

QAFAC's LDAR (Leak Detection and Repair) programme has been implemented at both the methanol and MTBE plants. This programme follows the US Environmental Protection Agency's standards for the synthetic organic chemical industry (SOCMI). In essence, the programme checks all components of the facility that are subject to leakages, identifies any leaks and calculates the possible amount of gas or material leaked. Any leaks are then repaired, and further analysis done to ensure that no other leaks remain. Finally, frequency detection tests are planned and conducted on suspect components. Some of the measures currently in place to reduce fugitive emissions are listed below.

- All pressure relief valves and vent lines from sampling devices and pump handling process fluid are vented to the flare system.
- Tandem mechanical seals are used in centrifugal pumps and compressors to eliminate gland leaks.
- Methanol and MTBE storage tanks are fitted with internal floating roofs to minimise vapour discharges.
- Construction material is chosen to minimise the effects of corrosion and eliminate leakages caused by corrosion-related failures.

#### **FLARING**

Flaring is a necessary step to ensuring the safety and equipment reliability on industrial operations. In 2012, our total flaring reduced by 10% as a result of 5 operational shutdowns. Total flaring measured in million metric standard cubic metres (MMSCM) for the year was 24,403; with the MTBE plant and the Methanol plant accounting for 72% and 28% respectively.



#### Kev story: QAFAC's Flare Management Program

QAFAC has implemented a programme for the control of hydrocarbon emissions to the atmosphere caused by internal leaking equipment, such as pressure relief valves, safety valves, bypass valves, automatic regulated valves, and check valves connected to the flare headers. Through these controls, uncontrolled emissions which can lead to huge losses are monitored with the help of highly sophisticated ultrasonic devices. This project has helped to identify and control the losses of such hydrocarbons through various streams connected to flare headers. In the absence of such a monitoring and maintenance programme, these losses can cause significant atmospheric pollution and loss of energy even during normal plant operations.

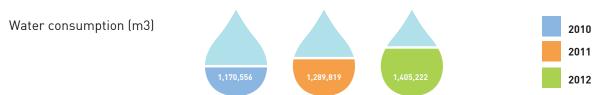
#### WATER CONSUMPTION

QAFAC's water intake is supplied by Kahramaa, the national water and electricity provider. In 2012, total water consumption increased by 9% compared to the previous year as a result of inspections conducted in the product storage tanks, where water was used to detect leaks. However, most of our water consumption is used during methanol production, whereby water is converted into steam during the steam reforming and gas synthesis process.

As of 2012, 818,722 m3 of water was used for this purpose, representing 58% of our total water intake. The remaining 586,500 m3 of waste water was treated, with 54% being disposed to sea, and 46% being used at QAFAC's green belt.

QAFAC is committed to the responsible use of water, as the company understands the challenges posed by water scarcity in Qatar and the region. The company is currently planning to put a waste water recycling process in place so that the water currently being discharged to sea can instead be treated and then reused in the production process. This will mean that by 2014, QAFAC will have zero discharge to sea, and all water intake will either be used in watering the green belt or put back into the production process.

#### WATER CONSUMPTION



	2010	2011	2012
Water used in production (m³)	New Indicator	New Indicator	818,722
Total waste water (m³)	New Indicator	New Indicator	586,500
Waste water – disposed to sea (m³)	New Indicator	New Indicator	318,398
Waste water – used at QAFAC's green belt (m³)	New Indicator	New Indicator	268,102
Percentage of recycled water (m³)	New Indicator	New Indicator	46%

#### **WASTE MANAGEMENT**

Waste types are divided into three categories: domestic waste, oil waste and operational hazardous waste. Hazardous waste produced is sent to Mesaieed Industrial City (MIC) Hazardous Treatment Centre, where it is properly treated and safely disposed of through a well-designed treatment centre. Other initiatives have been put in place for recycling and repurposing for oil waste and domestic waste.

	2010	2011	2012	
Total waste disposed (tonnes) Total industrial waste (hazardous) disposed to MIC Hazardous Waste	2,983	3,306	4,914	
Treatment centre (tonnes)	183	506	2,114	
Domestic Waste (tonnes)	2,800	2,800	2,800	
Oil waste (tonnes)	New Indicator	New Indicator	27	
Percentage of total waste that was recycled (Oil Waste)	New Indicator	New Indicator	0.55%	
Number of significant spills	0	0	0	

#### Key Story: QAFAC Celebrated World Environment Day 2012

QAFAC celebrated World Environment Day 2012 to demonstrate its support for this important theme. The event included a poster-drawing contest on the theme of "Green Economy" for the children of company employees; children in the age groups of 8-11 and 12-15 years took part. This event was attended by more than 200 people, including parents of children, the participants themselves and members of the QAFAC Management Team. The celebrations began with an opening address by QAFAC's HSE Manager who presented a selection of short videos highlighting the importance of green economy in our lives and an interactive presentation on how green energies lead to green economies. This was followed by a quiz programme for children and their parents. More than 80 children participated in the competition and produced excellent drawings with multiple ideas for enhancing green economies.





# Supporting Qatar Society

QAFAC is a firm believer in the importance of active citizenship and investing in the local community. Our Qatarization programmes and our efforts to meet the QNV 2030 Qatarization goals comprise our primary channel of communication with Qatari communities. We are continually seeking new and more effective ways of engaging with society, understanding community needs and collaborating with community members. To meet these goals, we have developed a strategy of active, voluntary and effective community contributions.

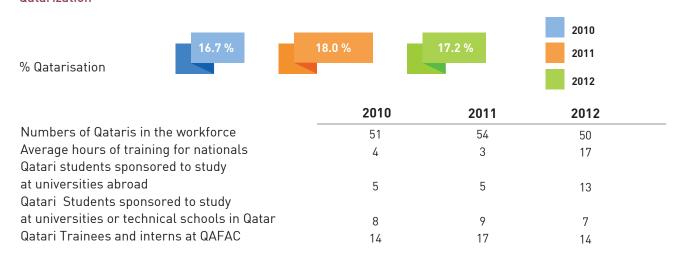




#### PROMOTING QATARISATION

QAFAC recognises the targets established by the Government of Qatar and endeavours to ensure that Qatari nationals are recruited, developed and retained in the company. Qataris are employed at all levels of the organisation, from managers to technicians and operators; and are actively encouraged to take on senior positions. At year-end 2012, Qataris represented 17% of QAFAC's total workforce over 2011's percentage of 18% which was the average for the petrochemical sector in Qatar for 2011. QAFAC also sponsored 20 Qataris to study in universities in Qatar and abroad during 2012, and offered training and internship positions to 14 young Qataris recruited from local high schools and vocational/technical schools. While the QNV 2030 and the NDS 2011-2020 call for an increase in Qatarization percentages, we also understand that the support of qualified expatriates continues to be a key factor for QAFAC's continued business success.

#### **Qatarization**



2016 Qatarization Rate Target: 50%





#### **EMPLOYEE INTERVIEW**

Name: Khalid Mubarak Rashid Al-Hitmi

Position: Plant Manager
Department: Plant Department

Nationality: Qatari

Length of time working at QAFAC: 14 years

(joined QAFAC on 23rd August 1998)

#### Why QAFAC?

I joined QAFAC because I wanted to have a career in the petrochemical field. Throughout all these 14 years working here, I have seen the company grow from the beginning and this did have a great impact on my personal development and career growth. What makes QAFAC a unique place to work is the sense of belonging to a family, where boundaries of departmental interaction disappear and team can be formed almost instantly to solve problems. The diversity of the nationalities of the company is another great thing. Here you get to experience other ways of thinking and other styles of management.

#### As a Qatari, How Do You Perceive QAFAC's Approach Towards Empowering Qatari Nationals Into the Workforce?

QAFAC is fully committed to the country vision of 2030, where empowering Qataris into industry and government departments is an integral part of it. QAFAC also understands the importance of increasing the presence of Qataris into the workforce as a solution for the company's sustainability model.

QAFAC's influence in the local economy goes beyond creating jobs. We support local businesses in the supply chain, as we recognise that local sourcing can be a strategy to help support a stable local economy. As of 2012, locally based suppliers represented 64% of our suppliers, and the percentage of goods and services sourced locally represented 67% of total procurement spending. Total local procurement purchase more than doubled over 2011's figures. Human rights criteria are included in all agreements with contractors and suppliers, and we ensure that both national and international suppliers abide to Qatari laws and regulations. As of 2012, no significant risks for incidents of child labour or compulsory labour were identified.

#### **Local Procurement**

Number of significant suppliers







Percentage of locally-based suppliers
Amount of spending on local suppliers
and service providers
Percentage of goods
and services sourced locally
% of agreements that include clauses incorporating human rights concerns or that have
undergone human rights screening

2010	2011	2012
60%	58%	64%
77,369,415	27,114,933	68,845,565
75%	52%	67%
100%	100%	100%



شركة قطر للإضافات البترولية المحدودة

#### **COMMUNITY ENGAGEMENT**

QAFAC is dedicated to engaging with our community and contributing to their development and growth. We have invested more than (QAR) 3 million into the community since 2010, including sponsorship and donations. In 2012, we participated in and supported a range of initiatives in the areas of education, sports, environmental protection awareness and health promotion.

# Total amount spent on community investment (QAR) 2010 2011 752,616 2012

_	2010	2011	2012	
Community investment as percentage of pre-tax profit	0.035	0.036	0.036	
Community Investment by areas of impact				
Total spent on Educational initiatives (QAR)	306,042	274,939	539,535	
Total spent on Environmental initiatives (QAR)	217,004	79,399	329,026	
Total spent on Safety initiatives (QAR)	181,563	82,828	87,001	
Total spent on Health initiatives (QAR)	48,007	-	230,032	
Total Sponsorship (Contribution to 20th World Petroleum Congress (QAR)	-	793,109	-	



### 2013 COMMITMENTS

AREAS	2013 COMMITMENTS
Sustainability Strategy	- Establish and agree on a 5-year sustainable development plan (health, safety, and environmentand targets
Sustainability Policy	- Develop Sustainability Policy in line with the 5-year sustainable development plan and its objectives
Sustainability Committee	- Finalize and train
Industry Sustainable Development Standard	- Continued implementation of the principles and objectives of Responsible Care Initiative from the Gulf Petrochemicals and Chemicals Association (GPCA)
HIGH VALUE PRODUCTS	
MTBE production	- Budgeted MTBE production: 634,644 MT
MEOH production	- Budgeted Methanol production: 887,227 MT
CARING FOR OUR EMPLOYEES	
Human Rights	- Review human rights position and develop Human Rights Policy that addresses the most critical and material issues of QAFAC's operations
Employee Health and Safety	- Keep 0 fatalities
	- Keep LTIF less than 2
	- Increase employee training on Health and Safety measures
ENVIRONMENTAL STEWARDSHIP	
GHG emissions	- Formalize GHG Emissions measurement
SUPPORTING THE QATAR SOCIETY	
Community Investment	- Establish a community investment (CSR) strategy and policy
Local Procurement	- Develop sustainable procurement policy

Main Stakeholders **Methods of Engagement** Stakeholder Needs How We respond to Them + Quarterly board meetings + Financial targets + Board committees Our Shareholders + Active participation and economic growth + Monitoring and ensuring in QAFAC's Management Team + Legal compliance of compliance through + Annual and sustainability + Governance Internal Audit + Transparency and accountability + Department and ethics committee reporting + Shareholders' sustainability + Developing and planning mandate of strategic direction + Fthics + Initiation of sustainability + Operational innovation management policies and efficiency and guidelines + Proactive participation in the SDI (Sustainable + Production and business + Participation in conferences Development Industry) initiative Ourcustomers and exhibitions continuity + Regular dialogue + Open communication + Product responsibility with customers and partners and dialogue + Mutual aid and collaboration + Membership in industry + Customer satisfaction surveys + Supply chain management associations + Service excellence + Customer evaluation surveys + Open and effective communication + Fair business dealing + Climate change + Investment in the CDR + Open and full communication + Water consumption with the Ministry of Environment + Resource management (Carbon Dioxide Recovery) + Continual monitoring + Energy consumption program The Environment and assessing of our impact + Waste management + Implementation of Flare on the environment + Compliance with environmenta Loss Monitoring program + Implement waste + Sustainability reporting regulations + Partaking in environmental + Product impact and responsibility and environmental + Supply chain impact initiatives management systems + Biodiversity + Regular reporting + Compliance with all regulations of environmental performance + Recruitment and development of local talent + Preparation of local community + Open dialogue and collaboration + Development of community with government agencies for the job market engagement strategy + Career fairs + Job opportunities + Contribution to community needs + Interaction with families + Community engagement + Improvement of Qatarisation + Community contribution of employees rates + Participation in exhibitions + Awareness of our products' and conferences significance and impact + Educational/HSE + Local sourcing awareness sessions + Workforce capacity and training + Recognition and awards + Employee satisfaction surveys + Engagement and open + Employee-community activities (every four years) communication + Development and training + "Town hall"-style meetings + Heat stress campaigns + Transfer of knowledge with the GM and succession planning + Periodic baseline medical + Informal career planning + Employee satisfaction examinations + Safety during operations, + Strong emergency + Intranet + E-mail communications maintenance shutdowns, preparedness measures + Training and projects + Achievement of OSHAS + Educational/HSE + Career and personal 18001 certificate development planning + Adoption of international awareness sessions + Employee wellbeing safety standards and best + Occupational health and fitness practices (e.g., RoSPA) + Rewards and recognition + Emergency preparedness

> and trained safety staff + Diverse and inclusive work

atmosphere

#### **APPENDIX B: REPORT PARAMETERS**

#### **Reporting Guidance for Defining Content**

Materiality: The information provided in this report is intended to address the issues that matter most to our internal and external stakeholders. The focus areas and material issues presented were selected and prioritised after a careful analysis of sustainability interests, topics and indicators raised by stakeholders. We have also followed the GRI G3.1 guidelines which aligns this report to global standards in sustainability reporting.

Stakeholder Inclusiveness: Engaging with our stakeholders about our sustainability ambitions in an open dialogue is of ultmost importance to our business. QAFAC perceives stakeholder feedback as a valuable asset to help guide the company's strategies and initiatives. This report was created by taking a range of stakeholder's needs and expectations into consideration from both a performance and transparency point of view. The stakeholder table that can be found in Appendix A is the result of our stakeholder mapping exercise to identify their needs and how we are responding to these.

Sustainability Context: QAFAC's vision is to be amongst the top five producers of methanol, its high value derivatives and butane sub-products by 2020. The company is committed to achieve this vision by operating in a sustainable manner. This means QAFAC will continue to work in partnership with all stakeholders; fostering growth opportunities and being recognised by the high standards of its operations. In addition, QAFAC's commitment to sustainability is integrated with Qatar's National Vision (QNV 2030) and National Development Strategy (NDS 2011/2016).

Completeness: This report is the second sustainability report made public by QAFAC, and represents an advance in the number of indicators and alignment to the QP Sustainable Development Industry Reporting Programme (SDIR). We believe that it covers the main material topics and indicators that reflect our economic, environmental and social impacts. We have self-declared this report to have achieved GRI application level A for transparency and disclosure; the GRI has checked the report and confirmed this.

#### Reporting Principles for Defining Quality

Balance: QAFAC's main departmental representatives were involved in gathering the performance data on indicators presented in this report, as well as the key stories. The content is presented in a way that allows stakeholders to have a balanced view of the company's economic, social and environmental performance.

Comparability: The report covers three years of comparable data, from 2010 to 2012, with achievements and key stories from 2012 being prioritised. The indicators published allow stakeholders to analyse changes in our economic, social and environmental performance throughout the last three years. Where applicable, performance for the years of 2010 and 2012 has been updated in some indicators, as a result of better calculations techniques.

Accuracy and Reliability: Numbers provided throughout this report were collected, analysed and double-checked with all respective departments involved in the data gathering process. QAFAC is committed to providing high levels of information accuracy, as part of the company's commitment to transparency and accountability.

Clarity: Since we hope that this report will reach the hands of all our different stakeholders, we wanted to make sure it was developed in a manner that was understandable to everyone. We have tried to avoid excessive, unnecessary and technical details, always balancing the level of information provided. In addition, we have used graphics and tables to facilitate understanding and to help our stakeholders locate the information they want without unreasonable effort.



# Statement GRI Application Level Check

GRI hereby states that **Qatar Fuel Additives Company Ltd.** has presented its report "Towards recognized sustainability leadership - 2012 Sustainability Report" to GRI's Report Services which have concluded that the report fulfills the requirement of Application Level A.

GRI Application Levels communicate the extent to which the content of the G3.1 Guidelines has been used in the submitted sustainability reporting. The Check confirms that the required set and number of disclosures for that Application Level have been addressed in the reporting and that the GRI Content Index demonstrates a valid representation of the required disclosures, as described in the GRI G3.1 Guidelines. For methodology, see www.globalreporting.org/SiteCollectionDocuments/ALC-Methodology.pdf

Application Levels do not provide an opinion on the sustainability performance of the reporter nor the quality of the information in the report.

Amsterdam, 22 May 2013





The Global Reporting Initiative (GRI) is a network-based organization that has pioneered the development of the world's most widely used sustainability reporting framework and is committed to its continuous improvement and application worldwide. The GRI Guidelines set out the principles and indicators that organizations can use to measure and report their economic, environmental, and social performance.

www.globalreporting.org

Disclaimer: Where the relevant sustainability reporting includes external links, including to audio visual material, this statement only concerns material submitted to GRI at the time of the Check on 14 May 2013. GRI explicitly excludes the statement being applied to any later changes to such material.



# APPENDIX D: GRI INDEX

#### Standard Disclosures Part 1

Profile Disclosures

	Profile Disclosures				
	STRATEGY AND ANALYSIS		.2	Whether the chair of the highest governance body is	
	Statement from the most senior decision-maker of the organization	Page 7		also an executive officer	Pages 12-14. The Chairman of the QAFAC Board of
1.2	Description of key impacts, risks and opportunities	Pages 7; 9 and 15	ş		Directors is not an Executive Officer
	ORGANIZATIONAL PROFILE		.3	For organizations that have a unitary board structure, the number of members of the highest governance	Pages 12-14. Members of the Board
	Name of the organization		8	body that are independent and/or non-executive	
2.2	Primary brands, products and/or services		8	members	they are nominated by QAFAC's shareholders.
	Operational structure of the organization, including main divisions, operating companies, subsidiaries and joint ventures		.4	Mechanisms for shareholders and employees to provide recommendations or direction to the highest governance body	Pages 12-14. The Company holds regular quarterly
	Location of organization's headquarters	Page 10. QAFAC operates	9	governance body	
		its facilities at Mesaieed Industrial City, in Qatar,	8		General Assembly and ad hoc matters
		and it's administration offices are currently being relocated to Doha			are dealt with by Walkaround Reso- lutions.The General
2.5	Number of countries where the organization operates,		8		Manager is a nominated Member of the Board.
	and names of countries with either major operations or that are specifically relevant to the sustainability issues covered in the report		.5	Linkage between compensation for members of the highest governance body, senior managers and	Annual Bonus is linked to both individual KPI's
2.6	Nature of ownership and legal form	Page 10	8	executives	and organization KPI's
	Markets served				A STATE OF THE PARTY
	Scale of the reporting organization	Pages 29; 22; 26; 27 4.	.6	Processes in place for the highest governance body to	
2.9	Significant changes during the reporting	There were no		ensure conflicts of interest are avoided	
	period regarding size, structure or ownership  Awards received in the reporting period	significant operational 4. changes in 2012 Page 7	.7	Process for determining the qualifications and expertise of the members of the highest governance body for guiding the organization's	The Board of Directors is composed by direct Shareholder nomina-
	REPORT PARAMETERS		i	strategy on economic, environmental and social topics	tion. The process is, therefore, determined by the shareholders.
	Reporting period	Page 4			
	Date of most recent previous report	Page 4	.8	Internally developed statements of mission or values, codes of conduct and principles relevant to economic,	
	Reporting cycle		8	environmental and social performance and the status of their implementation	Pages 12; 15
3.4	Contact point for questions regarding the report or its contents		.9	Procedures of the highest governance body	Page 12.
3.5	Process for defining report content	Page 47	8	for overseeing the organization's identification and management of economic, environmental	The board meets quarterly with QAFAC's
3.6	Boundary of the report		3	and social performance, including relevant risks	senior and executive
	Specific limitations on the scope or boundary of the report	Page 47	ä	and opportunities, and adherence or compliance with internationally agreed standards, codes of conduct and principles	management to revise the organization's stra- tegic direction, which
	Basis for reporting on joint ventures, subsidiaries, leased facilities, outsourced operations and other	Page 47. QAFAC has no			includes sustainability issues.
	entities that can significantly affect comparability		10		
3.9	from period to period and/or between organizations			Processes for evaluating the highest governance body's own performance, particularly with respect	
	Data measurement techniques and the basis for calculations, including assumptions and techniques		ø	to economic, environmental and social performance	No process in place
	underlying estimations applied to the compilation of the Indicators and other information in the report	Page 47	.11	Explanation of whether and how	
	Explanation of the effect of any re-statements of information provided in earlier reports,		ă	the precautionary approach or principle is addressed by the organization	Page 16
	and the reasons for such re-statement		.12	Externally developed economic, environmental and social charters, principles or other initiatives	
3.11	Significant changes from previous reporting periods in the scope, boundary or measurement methods		8	to which the organization subscribes or endorses	Page 33
	applied in the report		.13	Memberships in associations	Page 12
	Table identifying the location of the Standard Disclosures in the report	Page 47 4.	.14	List of stakeholder groups engaged by the organization	Pages 15; 46
3.13	Policy and current practice with regard to seeking external assurance for the report				
	externac assurance for the report		.15	Basis for identification and selection of stakeholders with whom to engage	Pages 15; 46
	GOVERNANCE, COMMITMENTS AND		.16	Approaches to stakeholder engagement,	
	ENGAGEMENT			including frequency of engagement by type and by stakeholder group	
	Governance structure of the organization, including committees under the highest governance body		.17	Key topics and concerns that have been raised through stakeholder engagement, and how the	
	responsible for specific tasks, such as setting strategy			organization has responded to those key topics and	
	or organizational oversight	Pages 12 - 14	N.	concerns, including through its reporting	Pages 15; 46
			3		

#### **Standard Disclosures Part 2**

Disclosures on Management Approach

DMA (EC)	Disclosure on Management Approach	Pages		Total water withdrawal by source	Pages 37;38
	Economic (EC)	10;18;27;32		Water sources significantly affected by withdrawal of water	Pages 37;38. Kah-
DMA (EN)	Disclosure on Management Approach Environment (EN)	Pages 14; 26-29; 32			ramaa is the national water and electricity provider through which
DMA (LA)	Disclosure on Management Approach Labour Practices (LA)	Pages 7; 21-23			QAFAC receives all its water.
DMA (HR)	Disclosure on Management Approach Human Rights (HR)	Pages 22;23;32	EN10	Percentage and total volume of water recycled and reused	Pages 37;38
DMA (SO)	Disclosure on Management Approach Society (S0)	Pages 8; 27-		Location and size of land owned, leased, managed in, or adjacent to protected areas and areas of high	QAFAC is located at an industrial zone where
DMA (PR)	Disclosure on Management Approach Product Responsibility (PR)	29; 31; 32; Page 8; 14;15		biodiversity value outside protected areas	it was carefully located to not affect any bio- diversity. None of our
	Standard Disclosures Part 3				operations harm any wild-life or animals.
	Performance Indicators				Our water discharges are within compliance
	ECONOMIC				of environmental regulations.
EC1	Direct economic value generated and distributed	Page 27	EN12	Description of significant impact of activities, prod-	QAFAC is located at
EC2	Financial implications and other risks			ucts, and services on biodiversity in protected areas and areas of high biodiversity value outside protected	an industrial zone where it was carefully
	and opportunities for the organization's activities due to climate change	Page 36		areas	located to not affect any biodiversity. None
EC3	Coverage of the organization's defined	QAFAC provides			of our operations harm any wild-life
	benefit plan obligations	benefits and allowances, medical			or animals. Our water discharges are
		and life insurances, pension funds for			within compliance of environmental
		nationals, and end of service gratuity for	EN16	Total direct and indirect greenhouse gas emissions	regulations.
	Cincificant financial analytical	expatriates.  QAFAC did not		by weight	Pages 35;36
EC4	Significant financial assistance received from government.	receive any the government		Other relevant indirect greenhouse gas emissions by weight	Pages 35;37
		during the reporting period.	EN18	Initiatives to reduce greenhouse gas emissions and reductions achieved	Page 36
EC5	Range of ratios of standard entry level wage			Emissions of ozone-depleting substances by weight	Pages 35-37
	by gender compared to local minimum wage at significant locations of operation	Qatar has no minimum wage	EN20	NOx, SOx and other significant air emissions	
EC6	Policy, practices and proportion of spending on locally		EN21	by type and weight  Total water discharge by quality and destination	Page 35
	based suppliers at significant locations of operation		EN22	Total weight of waste by type and disposal method	Pages 37;38
EC7	Procedures for local hiring and proportion of senior management hired from the local community		EN23	Total number and volume of significant spills	Page 38
	at significant locations of operation	Page 42  QAFAC's facilities		Total named and votable of significant spites	There has been no spills or leaks at
	Development and impact of infrastructure investments and services provided primarily	in Qatar are located	EN26	Initiatives to mitigate environmental impacts of prod-	QAFAC since 2010
	for public benefit through commercial, in-kind or pro bono engagement	in the Mesaieed Industrial City,		ucts and services, and extent of impact mitigation	Pages 35-38
		and the first line of contributing to the country is	EN27	Percentage of products sold and their packaging materials that are reclaimed by category	Not applicable – QAFAC's products
		through land lease and fees.			are transferred by tanker ships, trucks,
EC9	Understanding and describing of significant indirect	Page 18. QAFAC's			or pipelines.
	Understanding and describing of significant indirect economic impact, including the extent of impact	operations indirectly contributes to		Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with	
		Qatar's economic deveopment. QAFAC		environmental laws and regulations	Zero
		is part of the Nation's far-sighted strategic	EN30	Total environmental protection expenditures and investments by type	Page 43
		plan to diversify its petrochemical base		LABOUR PRACTICES	
		and expand its down- stream industries,		Total workforce by employment type, employment	
	ENVIRONMENT		LA1	contract and region	Page 29
EN1	Materials used by weight or volume.		LA2	Total number and rate of employee turnover by age group, gender and region	Page 31
EN2	Percentage of materials used that are recycled	Page 22	LA3	Benefits provided to full-time employees that are not	QAFAC has no part
	input materials	Zero		provided to temporary or part-time employees, by major operations	time employees
	Direct energy consumption by primary energy source	Page 35	LA4	Percentage of employees covered by collective bar-	Not applicable – Laws
	Indirect energy consumption by primary source	Page 35		gaining agreements	Not applicable – Laws governing Unions are not available in Qatar

LA5 Minimum notice period(s) regarding significant operational changes, including whether it is specified in collective agreements  LA6 Percentage of total workforce represented in formal joint management-worker health and safety committees that help monitor and advise on occupational health and safety programs  LA7 Rates of injury, occupational diseases, lost days, absenteeism and number of work-related fatalities by region  LA8 Education, training, counseling, prevention, and risk-control programs in place to assist workforce members, their families, or community members regarding serious diseases  LA9 Health and safety topics covered in formal agreements with trade unions  LA9 Average hours of training per year per employee, by employee category  LA10 Average hours of training per year per employee, by employee category  LA10 Percentage of employees receiving regular performance and career development reviews  Page 31 HR8 Percentage of security personnel trained in the organization's publicies or procedures concerning aspects.  Zero. QAFAC dees not be average where there contribute to the elimination of child labour, and measures to contribute to the elimination of child labour on the health and safety committees.  Page 32  No such counselling programs in place to assist workforce members, their families, or community and follows and replace of their KSE issues were delivered throughout 2012.  Not applicable – Laws governing Unions are not available in Ostar  Not applicable – Laws governing Unions are not available in Ostar  Page 27  Page 29  Page 29  Page 29  Page 21 HR8 Percentage of security personnel trained in the organization's policies or procedures concerning aspects of unan rigidate that are relevant to operations.  Zero. OAFAC dees not be a that there are to violations of worker rights, including force or compulsory among contract of the con	k e ot e the ar (16).  ng ,  ot sso : ssure
Percentage of total workforce represented in formal joint management-worker health and safety committees that help monitor and advise on occupational health and safety programs  LA7 Rates of injury, occupational diseases, lost days, absenteeism and number of work-related fatalities by region  LA8 Education, training, counseling, prevention, and risk-control programs in place to assist workforce members, their families, or community members regarding serious diseases  LA9 Health and safety topics covered in formal agreements with trade unions  Not applicable – Laws governing Unions are not available in Qatar  LA10 Average hours of training per year per employe, by employee category  LA12 Percentage of employees receiving regular performance and career development reviews  AVAILADAL altemptoy—eees eas re represented by their top management on health and safety topics concerned in formal agreements with trade unions  AVAILADAL altemptoy—eees eas represented by their top management on health and safety committes.  HR7 Operations identified as having significant risk. For incidents of forced or compulsory labour, and measures to contribute to the elimination of forced or compulsory labour and measures to contribute to the elimination of forced or compulsory labour and measures to contribute to the elimination of forced or compulsory labour and measures to contribute to the elimination of forced or compulsory labour and measures to contribute to the elimination of forced or compulsory labour and measures to contribute to the elimination of forced or compulsory labour and measures to contribute to the elimination of forced or compulsory labour and measures to contribute to the elimination of forced or compulsory and follows and entered to all taws relate to worker right, and follows and entered to all taws relate	e ot er the ar [16].  ng , ot
absenteeism and number of work-related fatalities by region  Page 32  Education, training, counseling, prevention, and risk-control programs in place to assist workforce members, their families, or community members regarding serious diseases  LA9  Health and safety topics covered in formal agreements with trade unions  LA10  Average hours of training per year per employee, by employee category  LA12  Percentage of employees receiving regular performance and career development reviews  Page 32  No such counselling programs were imprograms were improgra	
Education, training, counseling, prevention, and risk-control programs in place to assist workforce members, their families, or community members regarding serious diseases    No such counselling programs were implemented in OAFAC aimed for serious diseases. Awareness campaigns for other HSE issues were delivered throughout 2012.    LA9	
Health and safety topics covered in formal agreements with trade unions  Not applicable – Laws governing Unions are not available in Oatar  LA10 Average hours of training per year per employee, by employee category  Page 29  LA12 Percentage of employees receiving regular performance and career development reviews  Page 31  HR8 Percentage of security personnel trained in the organization's policies or procedures concerning aspects of human rights that are relevant to operations  Zero	
Average hours of training per year per employee, by employee category Page 29  LA12 Percentage of employees receiving regular performance and career development reviews Page 31 nization's policies or procedures concerning aspects of human rights that are relevant to operations. Zero	The Party of the P
performance and career development reviews Page 31 nization's policies or procedures concerning aspects of human rights that are relevant to operations. Zero	
LA13 Composition of governance bodies and breakdown of employees per category according to gender, age group, minority group membership and other indicators of diversity  Age 14; 29  LA13 Composition of governance bodies and breakdown of employees per category according to gender, age group, minority group membership and other indicators of diversity  Does not apply to our business that are receasing to personness that are receasing that are receasing to personness that are receasing to personness that are receasing the personness that are receasing t	
LA14 Ratio of basic salary of men to women by employee category Page 30.  OAFAC is equal opportunity employer and,  OAFAC is equal opportunity employer and,	
therefore, remunera- HR11 Number of grievances related to human rights filed, tion is not dependent on gender or race mechanisms Zero	
LA15 Return to work and retention rates after parental Zero leave, by gender SOCIETY	
HUMAN RIGHTS  Sol Nature, scope, and effectiveness of any programs and practices that assess and manage the impact of operations on communities, including entering, operating, and exiting  Pages 40-43 OAFAC operation in the communities, including entering, operating, and exiting operating, and exiting impact on local	
agreements that include human rights clauses or that munities.  have undergone human rights screening Page 42	
Percentage of significant suppliers and contractors that have undergone screening on human rights and human rights criteria	/00 <i>5</i>
are included in our 503 Percentage of employees trained in organization's 100%, all employees are trained agreements with anti-corruption policies and procedures are trained via acknowledge suppliers.  Code of Ethical Conductions and Suppliers.	
HR3 Total hours of employee training on policies and procedures concerning aspects of human rights that S04 Actions taken in response to incidents of corruption Zero are relevant to operations, including the percentage of	
employees trained Zero S05 Public policy positions and participation in public policy development and lobbying None  HR4 Total number of incidents of discrimination and	
actions taken Page 31 506 Total value of financial and in-kind contributions to political parties, politicians, and related institutions, by country  HR5 Operations identified in which the right to exercise freedom of association and collective bargaining may freedom of association and collective	
be at significant risk, and actions taken to support these rights associations, such as unions and collective bargaining, are not present in Qatar.  Total number of legal actions for anti-competitive behaviour, anti-trust, and monopoly practices, and their outcomes  Zero. There have been no legal adaptive their outcomes.	
OAFAC takes extensive steps to engage steps to engage employees individually and collectively.  OAFAC takes extensive steps to engage steps to engage employees individually and collectively.  Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with laws and regulations against OAFAC	
S09 Operations with significant potential or actual negative impacts on local communities OAFAC operation inertly pose a significant negative impacts on local communities (inertly pose a significant negative impacts).	

Prevention and mitigation measures implemented in operations with significant potential or actual negative impacts on local communities PRODUCT RESPONSIBILITY Life cycle stages in which health and safety impacts of products and services are assessed for improvement, and percentage of significant products and services categories subject to such procedures Total number of incidents of non-compliance with Regulations and voluntary codes concerning product and service information and labelling, by type of outcomes Customers' specifications are strictly met and a product material safety data sheet is available. This sheet recognizes environmental and social concerns, and meets standards and accepted practices Type of product and service information required by procedures, and percentage of significant products and services subject to such information require-Total number of incidents of non-compliance with regulations and voluntary codes concerning product and service information and labelling, by type of outcomes Practices related to customer satisfaction, including results of surveys measuring customer satisfaction Programs for adherence to laws, standards and voluntary codes related to marketing communications, including advertising, promotion and sponsorship Total number of incidents of non-compliance with reg-ulations and voluntary codes concerning marketing communications, including advertising, promotion and sponsorship by type of outcomes Total number of substantiated complaints regarding breaches of customer privacy and losses of customer Monetary value of significant fines for non-compliance with laws and regulations concerning the provision and use of products and services

## APPENDIX E: ACRONYMS

A&WMA	Air & Waste Management Association
ACFA	Asian Clean Fuels Association
CDR	Carbon Dioxide Recovery
EMS	Environmental Management System
ERT	Emergency Response Procedure
GHG	Greenhouse Gas
GPCA	Gulf Petrochemicals and Chemicals Association
GRI	Global Reporting Initiative
H.E.	His Excellency
HSE	Health Safety and Environment
LDAR	Leak Detection and Repair
LTIF	Lost Time Injury Frequency
МЕОН	Methanol
MIC	Mesaieed Industrial City
МТВЕ	Methyl Tertiary Butyl Ether
NDS	National Development Strategy
QAR	Qatari Rials
QNV	Qatar National Vision
QP	Qatar Petroleum
SDIR	Sustainable Development Industry Reporting
TRIR	Total Recordable Incidence Rate

