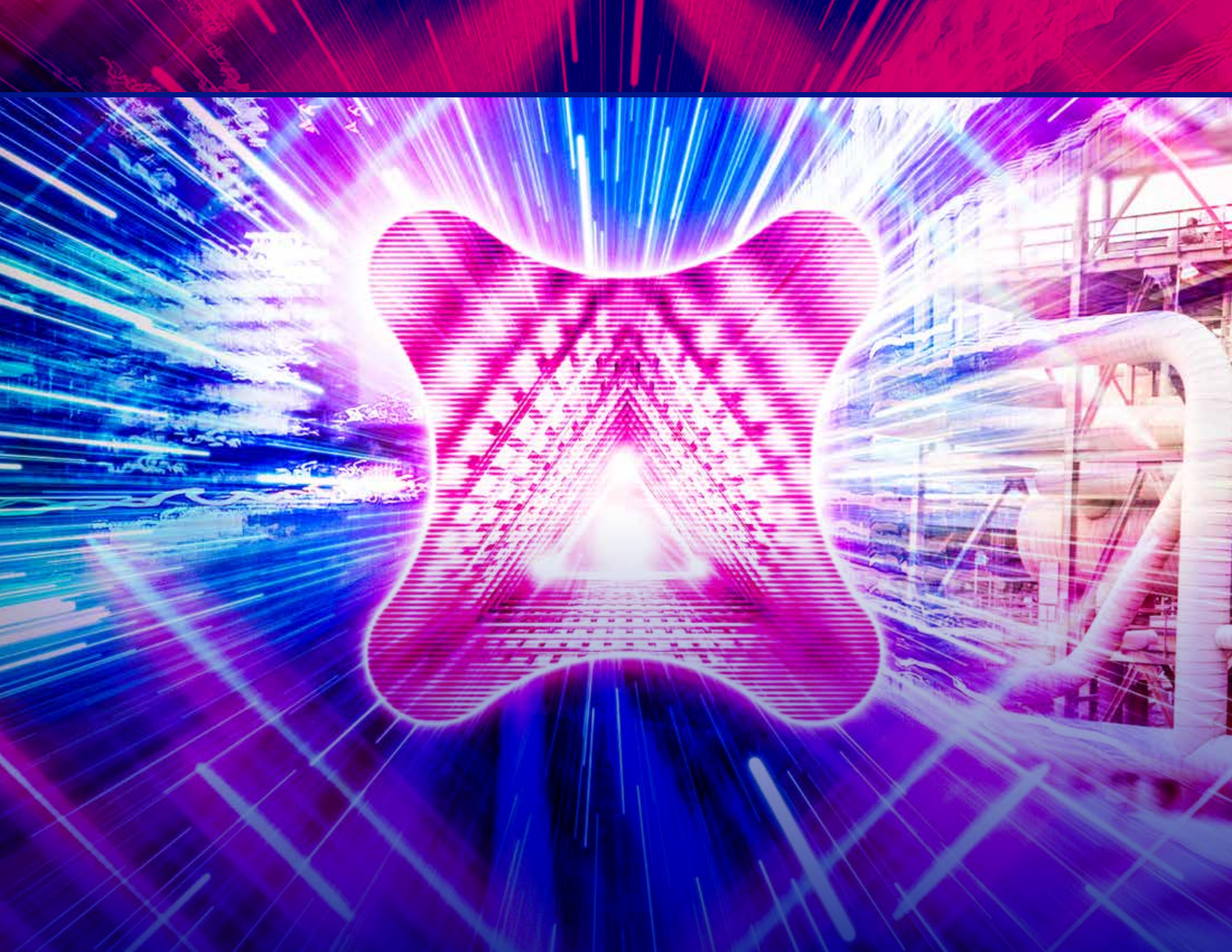




2018 Sustainability Report





2018

About this Report

Atlantic is pleased to share our 15th Sustainability Report. This report provides detailed information on our performance during 2018 in key areas of our business. It also demonstrates how our Sustainability efforts continue to create value for our stakeholders and positively impact the wider society in which we operate.

To access an electronic version of the report and additional information about what we do, visit our website at www.atlanticlng.com. If you would like to provide feedback on this report, you may contact us at media@atlanticlng.com.



Enjoy the AUGMENTED REALITY experience



The Zappar app is developed for iOS and Android and can be downloaded for free from the Apple App Store or Google Play.

By scanning the images in print on the cover and inside pages (which are recognisable by the icon above), with phone or tablet, you will see the print come to life! By downloading the Zappar app only once, a whole new augmented world will be opened!



Scan the QR code to download the Zappar app from the **Apple Store** and **Google Play** store.

Celebrating Our Journey

In May 2019, Atlantic celebrated 20 years of commercial operations and LNG production. This proud historic moment for our company, our home community Point Fortin and the people of Trinidad and Tobago, was the latest chapter in a visionary journey. Atlantic congratulates and thanks our dedicated employees who - every day - are our most important resource, enabling our contribution to the economy of Trinidad and Tobago and to building Sustainability. We appreciate all our partners and stakeholders and boldly step forward to the new horizon before us on the next phase of our journey!



1992

NGC and CABOT sign a memorandum of understanding



1995

- Atlantic LNG Company of Trinidad and Tobago formed
- Phillips Optimised Cascade Process chosen for LNG process



1996

- Project agreement signed with the Government of the Republic of Trinidad and Tobago
- Plant construction started



1998

Commissioning begins



1999

- Plant construction completed
- May 1 - First cargo
- June - Plant handover



2000

- Trains 2 & 3 Construction begins
- November - 100th cargo



2002

August - Completion and first cargo from Train 2





2003

- First production from Train 3
- Government announces approval for Train 4



2004

- April 23 – 500th cargo
- November 2 – 600th cargo

2005

- Atlantic raises the roof on 4th LNG Tank
- May 5 – 700th cargo
- November 25 – 800th cargo
- December 15 – Train 4 begins operation

2006

- January 8 – Train 4 first cargo
- May 10 – 900th cargo
- October 13 – 1000th cargo



2010

- September 15 – 2000th cargo
- September 22 – Atlantic rebrands with new corporate identity



2014

July 8 – 3000th cargo

2019

March 16 – 4000th cargo



Contents

1

Hear from Our Leaders

- Interview with the CEO 5
- Chairman's Statement 9

2

About Our Business

- Who We Are 10
- What's Important to Us 11
- Our Core Values 11
- Our Stakeholders 12
- Our Material Issues 12
- Our Economic Impacts 12
- Corporate Governance 13

3

Our Sustainability at Work

- Health and Safety 14
- Process Safety Achievements 14
- Safety Achievements 15
- Health Achievements 17
- Environmental Achievements 18
- People 20
- Supply Chain 22
- Community Development 23

Assurance Statement 27

Hear from Our Leaders

Interview with the CEO



Dr. Philip Mshelbila
Chief Executive Officer



It's been 20 years of operations for Atlantic and for Trinidad and Tobago. What is the significance of this journey?

I would like to start by recognising the foresight of the visionary Trinbagonians who birthed the idea of Atlantic. Their vision was for Trinidad and Tobago's wider diversification into the downstream petrochemicals business, an outlook ahead of its time and indeed ahead of many other oil and gas producing countries.

As a result of this foresight, Trinidad and Tobago took its first bold steps onto the global stage of the LNG business 20 years ago. Atlantic came into being and began our journey to become a safe, reliable LNG operator. We continue to stride forward with confidence in our visionary pursuit and we celebrate the great successes that we have achieved along the way.

Over the course of our first seven years, the company grew from one LNG Train to four. At one point in time, our fourth Train was the world's largest. The ramp-up in scale and complexity of our operations helped build a solid foundation, where we could leverage our first-mover advantage and bring great economic gains to the country. As the global business underwent growth with new LNG producers and then with the Shale Revolution, Atlantic sustained its unique competitive advantage and diversified into new market destinations. We earned accolades for our safety culture, our stakeholder engagement and also our industry innovations. We also became highly regarded locally for our mission to help create new opportunities and lasting value for future generations.

This journey has given the people of Point Fortin and of Trinidad and Tobago a jewel in which they can deservedly feel great pride.

All of this could not have been achieved without the superb team of motivated and passionate people who work at Atlantic, our partner contractors and suppliers, our shareholders, as well as our gracious host community of Point Fortin.

But it has not been a journey without challenges. How has Atlantic managed these challenges?

The LNG business has certainly become more dynamic than ever over the last five years. Global demand for LNG continues to grow, as does global supply, and with this comes price fluctuations. Inside this wider business environment, I believe that two factors have helped Atlantic to stay the course.

One factor has been our unique competitive advantage, which allows our LNG to find favorable markets in several territories, including Argentina, Brazil, Chile, Europe, the Far East and the United States. Another factor is our talented people, who are very knowledgeable about our business. Because we believe that our people are our key strategic asset, we continue to invest in training and development for all our staff.

Our employees are also responsible for conceptualising and implementing strategic initiatives that enhance performance, safety and reliability across the organisation. One programme in particular continues to unearth new value and opportunities throughout our operations: the Atlantic Optimization Programme (AOP) by which we manage our drive towards Continuous Improvement (CI). This programme oversees initiatives that are being powered by our new strategic emphasis on safe operations, leveraging technology, driving and sustaining efficiency and operational excellence. These all produce gains that not only make our company more robust, but also help to make us operationally nimble so that we can navigate the dynamic movements of global energy.

A key challenge that we faced in recent years – and which continues to a lesser extent – is inadequate gas supply. The situation has improved significantly from the lows of 2016 through the concerted efforts of the Government of Trinidad & Tobago and all of our gas suppliers.

What is Atlantic's role in the renegotiations of the contracts for its Trains?

The renegotiations for the contracts for Atlantic's Trains remain under the purview of our Members and the Government of Trinidad and Tobago. Atlantic has lent support to the discussions, by sharing our business knowledge, expertise and experience.

How does Atlantic's new strategic emphasis on leveraging technology fit into the Company's core business of liquefaction?

After operating successfully for the last 20 years, Atlantic's strategy is to future-proof the business for at least the next 20 years. The three key enablers to doing this will be: (1) ensuring that our people have the right capability and behaviors to deliver success today and in the future despite the dynamism and uncertainties of the business environment; (2) leveraging technology to deliver clear business objectives and taking advantage of digitalisation where appropriate to enhance safety, efficiency, production and value; (3) reducing our green-house gas (GHG) footprint, becoming more energy efficient and contributing to a cleaner energy future for our world. These three things will help ensure that our business is robust against many of the challenges of tomorrow.

Just as throughout history, the journey of mankind was broken up into different Ages – the Stone Age, the Bronze Age, the Iron Age, etcetera. Today could well be described as the Technology Age. Like never before, rapid technological advances and innovation steadily close the gap between what we can imagine and what we can achieve. Game-changing developments like digital technology, cloud computing, smart devices, autonomous machines, artificial intelligence, virtual reality and even 3D printing have empowered manufacturing and service activities and also normal everyday life in ways no one could have dreamed of a 100 or perhaps even 20 years ago.

Any company that is not in the process of seriously reflecting on the implications of these realities and planning to do something about it has already been left behind. Technology is presenting so many avenues to transform our companies and business models. It would be remiss of us if we did not make time to explore what is available. It is imperative to identify those technologies that will improve safety, enhance production, minimise environmental impact, reduce waste and cost, and develop and re-skill our people. This will help us generate even greater value to our stakeholders, including our home community and country.

Technology has always been a big part of what we do at Atlantic. In fact, one could say that the liquefaction process at the core of our business was a significant innovation when it was first implemented commercially in 1912, and since then liquefaction technology has continued to evolve. Atlantic has identified that technology will significantly enable the next phase of our journey, but we do not pursue technology for its own sake, we do it to achieve specific business objectives. We are therefore deploying a number of technology-based initiatives that will help equip us to meet tomorrow's challenges. These span a wide spectrum of disciplines and processes across the business.

What will the next phase of the journey look like for Atlantic?

The world in 20 years will likely be characterised by an increased demand for more efficient and cleaner energy. The challenges of renewables with respect to intermittency, storage and high intensity heat generation mean that natural gas (and LNG in particular), as an abundant form of the cleanest fossil fuel, will be a critical component of the future energy mix as a complement to renewables.

Atlantic aspires to *"transform lives by passionately energising our world"*. We will achieve this by ensuring we are a world-class LNG operator now, while setting ourselves up over the long term to compete to win in the new energy world that is emerging.

Our aim is to see Atlantic excel at being a safe, reliable energy operator that creates value for our employees and their families, our partners (contractors and suppliers) and shareholders, our home community and the wider nation. The “how” we do this will be just as significant as the “why”.

By the “how”, I mean that we will continue to hold dear and live true to the Atlantic *splrit* values – Safety, Performance, Integrity, Respect, Teamwork, and the demonstration of these values by every single individual in our company. We will continue to find innovative ways to develop and unlock the passion of our people, weave the latest technology into the fabric of our operations and reduce our environmental impact.

By the “why”, I mean that the company will continue to be inspired by the ethos of Sustainability, that is, our abiding corporate belief that our performance as an energy producer can help to create opportunities to transform the lives of generations of tomorrow.

Sustainability speaks to the suite of our partnerships and initiatives that specifically target youth and the next generation. Our Point Fortin’s Finest programme supports bright and, in some cases, underprivileged primary school scholars throughout their educational career. Our partnership with the University of Trinidad and Tobago (UTT) helps train agricultural entrepreneurs in cutting-

edge business techniques. We support conservation of sea turtles through field research and also through partnership with practical community-based eco-tourism activities. Our primary school sports competitions and their associated life-skills training components help to shape young athletes and future citizens. Our educational initiatives focus on literacy and numeracy in our home community of Point Fortin and our Atlantic Ultimate Field Trip presents new vistas and new worlds to children, sparking creativity and innovation. Our in-house internships help create a talent pool not only for the local energy sector, but for local, regional and global manufacturing. Our LEND Agency helps enable micro-entrepreneurism by making financing support easily accessible.

By strategic design, all these Sustainability initiatives are long term in nature and represent diverse touchpoints on the lives of children and youths. The next phase of the Atlantic journey will see our social investment activity yield results locally, nationally and internationally: the great potential of the next generation being fulfilled. We are seeing this already with the very first cohort of our Point Fortin’s Finest, who were the programme’s first beneficiaries in 2000 and have all since graduated and are building their careers as doctors, professionals and entrepreneurs.

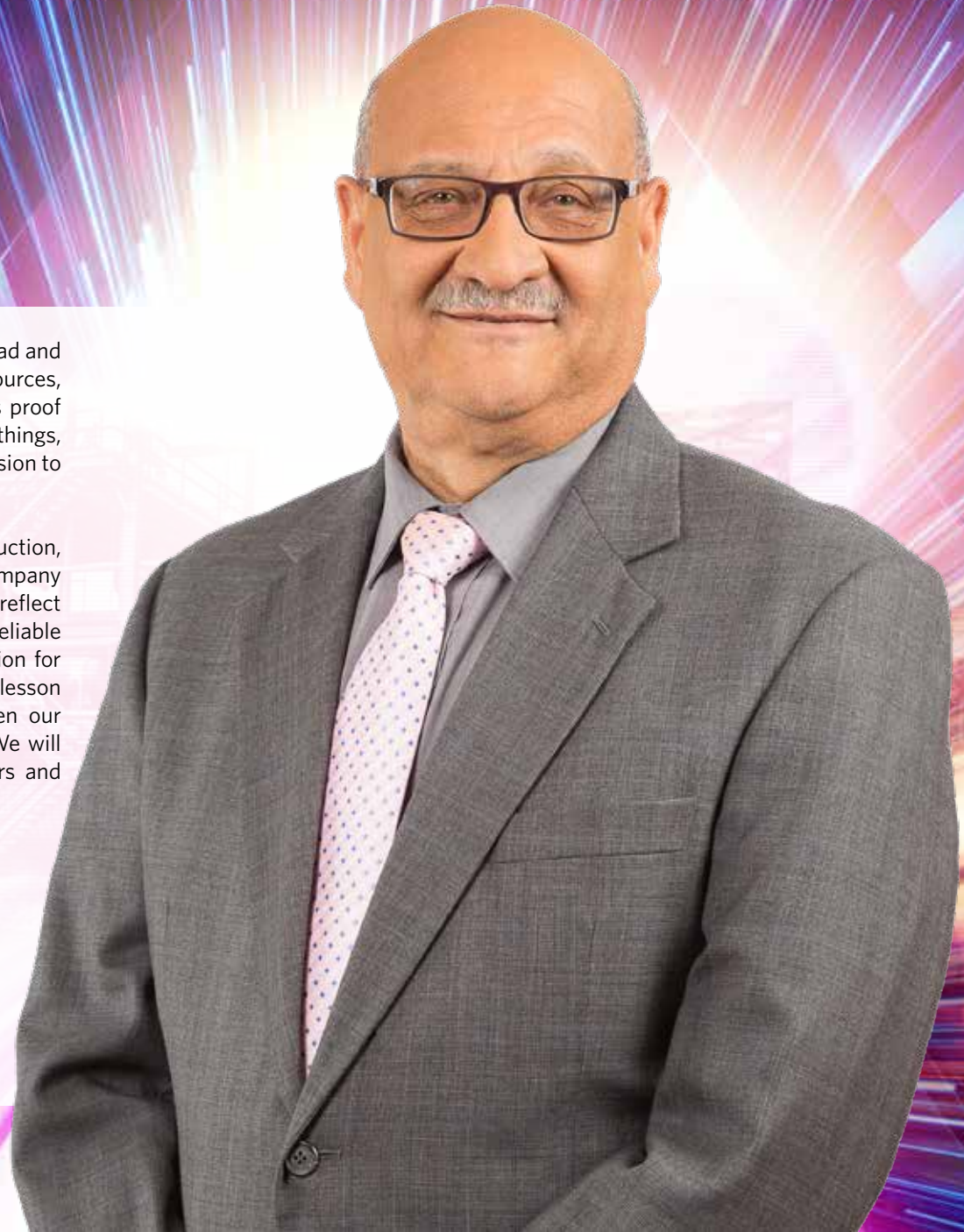
All of us at Atlantic are excited about the prospects for the future of our Company. We eagerly look forward to the journey ahead!

Chairman's Statement

The abundance of talent and creativity in the people of Trinidad and Tobago, supported by the blessing of abundant natural resources, gives our country the opportunity to be a model nation. As proof of this, we have been able to provide the world with many things, including our LNG, allowing us to participate in the global mission to build a better life for all people.

On this proud occasion of the 20th anniversary of LNG production, it gives me great pleasure to be associated with Atlantic, a company that helps to fuel a bright future for our children's children. We reflect on the journey, and what it has taught us about being a safe, reliable LNG operator, a responsible corporate citizen and a champion for good governance and for Sustainability. We embrace every lesson we have learned along our journey. We renew and deepen our commitment to our home community and to our country. We will continue to partner wherever we can with our stakeholders and work together to move generations ahead.

Gordon Deane
Chairman



Who We Are

As the world moves to adopt technologies that advance global economic development and also safeguard the global environment, cleaner fuels like liquefied natural gas (LNG) have grown in significance over the last 20 years. Countries that produce LNG – like the Caribbean twin-island republic of Trinidad and Tobago – help to foster economic growth across the planet, and play a vital role in determining the lifestyles and future of people everywhere.

Atlantic LNG Company of Trinidad and Tobago Limited embraces the responsibility that comes with our rank among the world's largest producers of LNG. From our home community of Point Fortin located on the south-west coast of Trinidad, our 4-Train liquefaction facility processes LNG from natural gas supplied from offshore fields. We are mindful that these resources have an inherently limited lifespan. We are therefore passionate about Sustainability – an ethos that considers how the work we do today can develop our home community and contribute to a better Trinidad and Tobago tomorrow.

We understand that this requires our facility's operations to be among the world's best in the areas of safety, plant utilisation and reliability. It also requires us to be a leader in ethical and transparent business conduct, an exemplar of corporate responsibility and an employer of choice.

For more detailed information on our business, Trains and ownership, visit our website at www.atlanticlng.com.

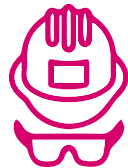


What's Important to Us



Our Core Values

Our *spirit* Values are the deepest expression of who we are as a company. They help shape the way we conduct our business, keep us grounded through changing landscapes and underpin our corporate culture.



Safety

"We will do it safely or we will not do it" in order to achieve our goal of no harm to people and to minimise our impact on the environment. In Process Safety: "Our assets are safe and we know it" guides us to be ever vigilant in this crucial area.



Performance

We will create an environment where our people and stakeholders will be inspired to deliver the highest levels of performance and seek to be the best that they can be.



i

Each and every one of us as individuals.



Respect

We will respect each and every individual. We will create a trusting, open and inclusive environment.



Integrity

We will commit to upholding the highest standards of ethical conduct and governance. We will conduct our business with integrity.



Teamwork

We will support one another and work together as One Team.

Our Stakeholders

Stakeholder engagement is a significant part of Atlantic's efforts to positively impact our business, community and the wider society in which we operate. We believe that by growing strong, meaningful alliances and pursuing active dialogue with key groups, this brings us closer to anticipating challenges and finding solutions in a responsible and transparent way. Our key stakeholders include our employees, the member companies of our shareholder ("Members"), service providers, central and local government, regulatory agencies, local communities and the media.

Our Material Issues

To determine our material issues, we first consider:

- Core business sources such as our corporate strategy, Corporate Performance Contract and risk management process
- Material issues identified by the Members
- Issues identified by our stakeholders.

We seek feedback from our stakeholders on our initial prioritisation of issues. Relevant feedback is reviewed and informs our subsequent process of determining the issues of the highest priority for our business.

Our Economic Impacts

Values in million US\$			
	2018	2017	2016
Taxes			
Corporation Tax	\$234.2	\$218.6	\$215.4
Green Fund Levy	\$8.9	\$6.3	\$5.0
Withholding Tax	\$8.3	\$6.2	\$7.3
Sub-Total	\$251.4	\$231.1	\$227.7
Other Contributions			
Staff salaries and benefits*	\$55.7	\$60.7	\$66.6
Spend on training and development	\$0.5	\$0.8	\$0.5
Spend on local suppliers	\$115.4	\$100.3	\$144.0
Sub-Total	\$171.6	\$161.8	\$211.1
Total	\$423.0	\$392.9	\$438.8
Employees and suppliers			
Number of employees	567	621	706
Number of local suppliers supported (businesses)	537	542	538

*Staff salaries and benefits include PAYE

Corporate Governance

At Atlantic, our Corporate Governance Framework enables and supports a business environment that is fair, transparent and accountable. Our Corporate Governance mechanisms ensure that we achieve sustainable business performance, act responsibly and mitigate risk to our business, our people and our reputation.

The governance framework integrates the set of relationships between the Leadership Team, the shareholders and other stakeholders. Our governance structure is guided by the objectives of the organisation and achieved through an integrated system of corporate policies and procedures which are monitored to achieve transparency, independence, accountability and integrity.

At Atlantic we have a culture of zero tolerance for fraud, bribery, corruption, money laundering and all other illegal activity.

For more information on our Corporate Governance structures, visit our website at www.atlanticng.com.

Audit in support of Business Performance

In 2018, in addition to our usual focus on compliance audits, Atlantic's Audit function continued to strengthen support to the company's wider business objectives and management of key risks. The annual Audit Plan is prepared based on the company's risk profile, and assessed through a holistic business overview. This strategic approach helps Atlantic to benefit from performance-enhancing insights provided by the Audit function's unique vantage of corporate data and processes. In 2018, the planned upgrade to the Plant Control Network received new momentum after an audit of the project identified synergies and opportunities. Also, new measures to enhance Atlantic's Emergency Response and Business Continuity Framework were undertaken after a special audit of the framework was conducted in Q3.



Speak Out

Atlantic's Speak Out platform empowers staff and contractors to raise concerns related to compliance and ethics issues. Speak Out facilitates anonymous reporting and ensures that complaints are investigated and reported for further action where necessary.

In 2018, focus was placed on strengthening the investigative processes for Speak Out submissions and improving the timeliness of closing out investigations. The company's investigators underwent specialised training and Atlantic also continued its collaboration with the Members to learn from their internal processes. This work will continue in 2019, including a planned review of Atlantic's policies. The aim is to ensure that global best practices are incorporated into this important channel for feedback on ethical performance.

Health and Safety

In 2017, Atlantic underwent a Safety, Operational Integrity and Marine Management (S&OI/MM) Audit. We also conducted a Process Safety Culture Survey, polling staff and contractors to help us better understand our strengths as well as areas for improvement in process safety. Both these exercises helped set the corporate priorities for 2018 and beyond for the areas of Process Safety and also Health, Safety and the Environment (HSE).

Process Safety Achievements

In 2018, Atlantic maintained our heightened focus on process safety and on embedding deeper knowledge and awareness of this critical function across the company. We completed a rigorous review of our top risks highlighted in the facility's Hazard and Operability study (HAZOP) and Layer of Protection Analysis (LOPA) study. Atlantic has been identifying mitigation opportunities and generating action plans that are currently being developed and implemented.

To support our awareness goal, we have developed a special information campaign to engage employees and contractors with rudimentary process safety practices and procedures. These practices – along with the hazards and risks they help to mitigate – were bundled together and dubbed the Process Safety Fundamentals. The ten Fundamentals represent the ground rules of Atlantic process safety, as well as an important front line defence keeping our people and assets safe against process safety incidents. The campaign featured special presentations during staff meetings throughout the year, along with special messaging and content on the intranet and other internal communications channels. The effort also included onboarding the contractor workforce through special sessions on these Fundamentals. This initiative is further sustained through ongoing weekly walk-downs by company teams to identify and manage process safety risk in the facility.

The awareness campaign was supplemented by Process Safety Foundation training for front line plant personnel, conducted by the Centre for Chemical Process Safety. Many of the campaign's messages were also shared at our annual Process Safety Week event.

As a result of these and other initiatives, we achieved one of our key corporate targets of zero Tier 1 and Tier 2 process safety events. The 'failure on demand' performance of safety critical equipment (SCE) was also improved during this period.

Plans around *Operationalising Process Safety* have been in development, all geared to being able to demonstrate our new Process Safety motto: "Our assets are safe and we know it". This drive will continue to sustain process safety performance at Atlantic.



VIDEO CASE STUDY: Process Safety Fundamentals

In order to build company awareness of Process Safety, Atlantic rolled out to our employees and contractors the Process Safety Fundamentals. These ten basic process safety principles aimed to increase awareness, engage employee participation through some of the simple principles behind good process safety practices, and show how these principles can easily prevent process safety incidents.



Safety Achievements

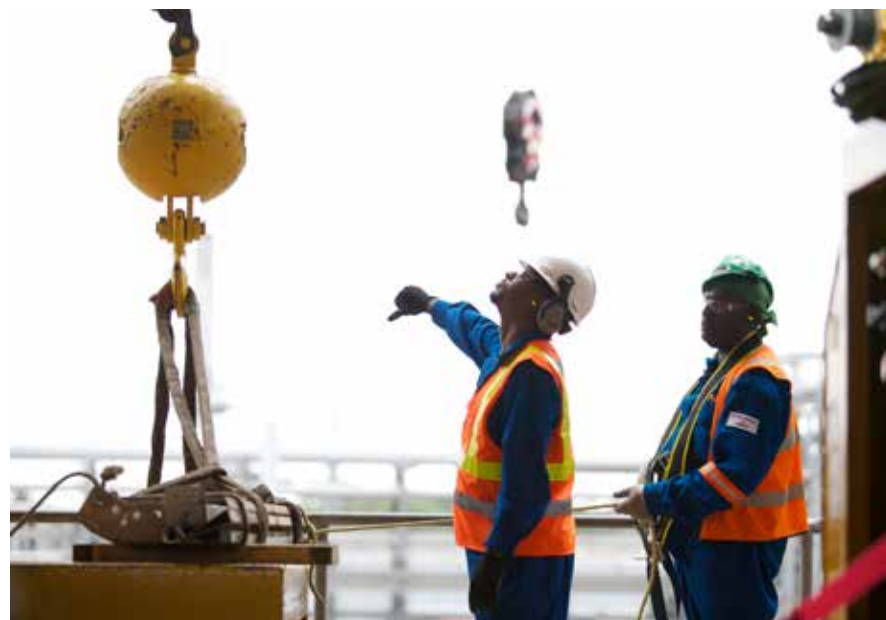
In 2018, Atlantic actively developed new systems to manage the relevant key risks identified by the S&OI/MM Audit. Five safety-related projects under the wider Continuous Improvement (CI) initiative were identified as crucial towards making a major impact on our HSE performance: Learning from Incidents; Dropped Objects; Emergency Response; Vehicle Ignition and Collision Risk; and Soil and Ground Water. Foundational work for these projects was completed last year, and all initiatives will become fully operational in 2019.

In particular, the Dropped Objects programme seized the company's attention, as all 3 high-potential (HiPo) incidents for 2018 involved unsecured tools or equipment falling from heights. In keeping with the Audit recommendations, a comprehensive sensitisation and communications campaign has been developed for full deployment in 2019.

The initiative to simplify Atlantic's Safe Work Practices also gained momentum in 2018, with 7 practices being reformatted for easier access and adoption by employees and contractors.

Atlantic continued strong support for safe execution of our maintenance outages, rallying around the Train 2 turnaround (TAR) in October. With some 330,000 man hours worked on the TAR, our TAR safety metrics included 1 OSHA recordable and 1 HiPo – a near-miss incident involving a dropped object.

Atlantic concluded 2018 with an overall OSHA recordable rate of 0.110 which included 2 OSHA recordables and 3 HiPos. The company surpassed our targets for safety training, employee safety interventions and also safety walk-downs by management representatives from Atlantic and contractor companies.



HSSE Performance

Focus Area	Indicators	UOM	2018	2017	2016
HSSE Leadership	Man-Hours	Hours	3,628,266	3,401,371	4,160,149
	Participation in leadership/management walk-downs	Num	622	771	912
	Leadership Structured Field Assessments	Num	9	10	10
Control of Work	Permit Package Deviation	%	5.69	5.71	0.13
	CoW Assessments	Num	43	23	8
Contractor Management	Contractor Management/Supervision Walk-downs	Num	137	138	165
	Contractor Safety Meetings	Num	215	117	241
Employee involvement/participation	Employee interventions (STOPs, permit audits, hazard reports etc.)	Num	11,965	12,235	12,704
	Near Misses	Num	136	153	143
HSSE Training	HSSE Training	Man-days	1,763	1,025	996
Emergency Response	Completion of planned Emergency Response Drills	Num	82	25	57
Corrective Actions/ Lessons Learnt	On-time closure of actions from incident investigation and LL by month	%	67	48	100
	HSSE actions closed on time	%	79	67	83
Health and Safety	OSHA Recordable Frequency per 200,000 hours	Frequency	0.110	0.176	0.000
	OSHA Recordables – Restricted Work Case/Medical Treatment Case	Num	2	2	0/0
	OSHA Recordables – Lost Time Injuries (LTI)	Num	0	1	0
	OSHA Recordables – Fatalities	Num	0	0	0
	High Potential Incidents (HiPO)	Num	3	2	1
	First aid cases (work related)	Num	44	69	78
	Vehicular Accidents	Num	11	13	13
	Dropped Objects	Num	20	22	27
Security	Security Incidents resulting in loss>US\$10,000	Num	0	0	0
Environment*	Total number spills outside secondary containment ≥ 10L **	Num	10	10*	NA

*Figure revised to reflect total period for 2017 **Spill KPI definition revised in 2018

Health Achievements

Atlantic takes pride in our Health and Wellness programmes, a comprehensive suite of initiatives that helps ensure the company's holistic approach to occupational health management. Corporate performance is supported through the industry-leading practices demonstrated in our Wellness Services, Fit for Work and Executive Medical Programmes, Fatigue Risk Management initiatives and the Chemical Management online tool developed in 2017 to support the effective procurement, storage, use and disposal of chemicals at our facility.

Psychological Well-being Programme

According to the World Economic Forum, the cost of mental health to the global economy could total some US\$16 trillion by 2030. The World Health Organization further predicts that by 2030 depression will be a leading cause of disease burden globally with 1 in 4 persons being affected by a mental health issue over a lifetime.

This is a significant health risk for any organisation. Building on the work undertaken in 2017 to help equip employees with stress management skills, we continued to implement our psychological well-being framework. Staff attended special awareness sessions and lectures over the period, and also received targeted messaging via the intranet and digital signage. More work will be implemented in 2019, including a baseline survey to measure stress at an organisational level and special workshops geared towards building resilience. These workshops will be held for all employees.

Industry Partnerships

Not only is the Point Lisas Energy Association (PLEA) the representative body for companies based at the Point Lisas Industrial Estate in central Trinidad, it is a key advocate for HSSE standards in the local energy sector. These include standards for the contractors who work in the industry, many of who undertake work for the PLEA member companies, including Atlantic.



In 2018, Atlantic worked with PLEA's HSE Subcommittee to standardise the drug and alcohol testing requirements for contractors at Point Lisas and by extension, wider industry. PLEA has adopted Atlantic's own testing criteria. Atlantic now leads a Steering Committee that was established to develop and implement the accreditation standard for laboratories that conduct drug and alcohol testing for PLEA members. Further work on this will continue in 2019.

Environment Achievements

In 2018, Atlantic embarked on a new journey in our environmental performance management, taking important first steps in implementing some of the initiatives under our Greenhouse Gas (GHG) and Energy Management Plan. The Plan was initiated in 2017 and is now fully embedded in our operations, with an array of projects targeting GHG reduction that are scheduled for execution over the next few years.

Three identified opportunities were implemented in 2018, aiming for a target of in-year GHG savings of 24,000 tons of CO₂ equivalent (tCO₂e). The Ship Load Flaring initiative helped to contain emissions when LNG tankers are being loaded, by recycling boil-off gas into the plant from the start of the cargo lifting process. Measures were also undertaken to recover ethylene seal gas used in liquefaction. Facility teams also worked to reduce fuel consumption and related emissions by taking turbine generators offline during periods of low demand for power.

While these three measures achieved the reduction target of 24,000 tCO₂e, a number of unexpected factors throughout 2018 resulted in an overall net increase in GHG emissions. Chief among these was unplanned maintenance downtime that led to increased flaring. Additionally, as production increased throughout the year due to improving gas supply, process-related flaring activity also exceeded original forecasts.

Nevertheless, Atlantic is encouraged by the key lessons that were captured, which will guide our GHG mitigation strategies in the years ahead.

Working with Government stakeholders

In 2018, as part of our commitment to responsible environmental management in partnership with our stakeholders, some of Atlantic's team members attended capacity-building workshops associated with the national initiative to quantify, report and manage GHG emissions. Atlantic has pledged to align our GHG reduction initiatives with the wider mitigation efforts being coordinated by the Ministry of Planning.

EMS Transitions to New Standard

In 2018, Atlantic successfully transitioned our Environmental Management System to the revised ISO standard ISO 140001:2015. Four minor weaknesses identified in the audit process are now being addressed, with complete closure expected by the last quarter of 2019.

For more information on our environmental management, visit our website at www.atlanticlng.com.



VIDEO CASE STUDY: Ethylene Seal Gas Recovery

Our Ethylene Seal Gas Recovery project entailed the installation of ethylene recovery systems on the Dry Gas Seals of three ethylene compressors. These systems secured capture of ethylene that would otherwise have been wasted and contribute to GHG emissions.



Environmental Performance

Indicators	UOM	2018	2017	2016
Energy				
Energy Use - Fuel	Terajoules	96,316	89,509	85,103
Energy Use - electricity	Gigajoules	19,252	18,428	18,516
Energy intensity ratio	Megajoules/MMBtu	147	152	150
Flaring				
Total Natural Gas flared	tCO ₂ e	389,271.6	337,090	168,695
Total Flaring	tCO ₂ e	508,649.5	458,477	263,689
GHG Emissions (Scope 1)				
Carbon Dioxide	tCO ₂ e	5,210,620	4,838,389	4,434,758
Methane	tCO ₂ e	79,717	69,244	43,549
Nitrous Oxide	tCO ₂ e	5,196	5,222	4,188
HFCs	tCO ₂ e	43	1,894	73
Total Scope 1	tCO ₂ e	5,295,576	4,914,749	4,482,568
GHG Intensity Ratio	tCO ₂ e/TBtu	8,055	8,359	7,879
GHG Emissions (Scope 2)				
Carbon Dioxide	tCO ₂ e	1,927	3,368	3,384
Methane	tCO ₂ e	2	3	2
Nitrous Oxide	tCO ₂ e	7	11	17
Total Scope 2	tCO ₂ e	1,936	3,382	3,403
GHG Emissions (Scope 1&2)				
Total GHG	tCO ₂ e	5,297,512	4,918,131	4,485,971
Waste				
Hazardous Waste generated	Tonnes	12,950	4,707	2,670
Non-hazardous Waste generated	Tonnes	611	1,905	3,640
Total Waste	Tonnes	13,567	6,612	6,310
Spills				
Hydrocarbon spills	Barrels	22	20.31	7.47
Other spills	Barrels	4	9.80	2.40



People

The world is rapidly changing around us. Our future requires us to be agile and resilient and we therefore believe that Atlantic's competitive advantage lies in the energy, mindset and passion of our people, underpinned by our corporate values. In 2018, we increased our competitive intensity through a relentless focus on the safety of our people and plant, performance excellence, innovation and cultural transformation.

Our strategic emphasis included:

- Defining a People strategy and corporate culture that is fit for the future;
- Modernising our people and performance processes, tools and systems to deliver results;
- Embedding Atlantic's *splrit* values and behaviours into the way we work;
- Creating the Atlantic Leadership Development Framework, helping us deepen leadership accountability;
- Systematically closing gaps in our safety-critical capability;
- Recognising innovation and embarking on Continuous Improvement and Continuous Learning initiatives.

The Importance of Our Values

In early 2018, we continued our journey of embedding our corporate *splrit* values aimed at delivering on Atlantic's vision of being an employer of choice and building a culture distinct to Atlantic – The Atlantic Way. We deployed an Employee Opinion Survey (EOS) that was wired to our corporate values to gauge the general pulse of the organisation and identify emerging priorities. Our EOS unearthed what we have worked hard to accomplish over 20 years – Atlantic is a great place to work! Coming out of the survey we launched a new 70:20:10 model of building capability – 70% on-the-job experience; 20% mentoring and coaching; and 10% training courses. The survey also informed the preparatory work we conducted to launch a new Performance Management Framework that will map individual performance objectives against our corporate values.

Preliminary work for several relevant initiatives was undertaken, including a new Leadership Development Framework and programmes aimed at building and sustaining a Continuous Improvement and Learning Culture. In addition, a number of policy revisions including Flexible Working arrangements are earmarked for implementation throughout 2019 as we continue to modernise the way we work.

Building Capability for the Future

Atlantic's commitment to developing future generations has been demonstrated in our investment in our on-the-job training programmes for university graduates and our Operations and Maintenance internship programmes. These programmes represent an important pipeline of future talent for the energy industry both nationally and internationally.

Annually we enroll around 12 Graduate Trainees and every 18-24 months around 10 Operator Trainees and 10 Maintenance Trainees.

Digitalising HR Services

As Atlantic continued to embrace leading-edge technology as a key strategic enabler to equip us for the future, we focused on modernising our people and performance processes, tools and systems to deliver results. Work began on digitalising HR services, giving leaders and managers access to real-time information and offering staff an upgraded interface for a better HR service experience.

The digitalisation initiative was launched in 2018 with the implementation of the Atlantic Recruitment Module, allowing internal and external vacancies to be both posted and applied for via an online careers website. Additional online service portals will be rolled out to the company in 2019 as we strive to increase the speed at which information is shared and reduce our environmental footprint.



Supply Chain

In 2018, Atlantic continued to work closely with our co-workers, suppliers and other key stakeholders to identify opportunities across Atlantic's value chain that enhanced efficiency in the company's spend on goods and services. While value creation remains a key focus, Atlantic also actively pursued partnerships that further the spread of Atlantic's values and helped local industry to adopt best practices in HSSE, employee relations, governance, ethical conduct and sustainability.

Leveraging Global Partnerships

In a new strategy for 2018, Atlantic leveraged partnerships between our Members' parent companies and key global service provider firms to increase cost efficiency in our procurement. Opportunities to derive even more value will continue to be explored in 2019.

Enhancing On-site Productivity

The Kitting and Milk Run – a new time-saving service for facility teams that was introduced last year – was hailed as a significant productivity-enhancing initiative. Facility personnel are now able to reserve materials through the Warehouse. These orders are then prepackaged and delivered directly to the work location on-site, where and when required. This helps to reduce mobilisation times for plant repair and maintenance activities as part of a hands-on tool time Continuous Improvement (CI) plan.

This initiative builds on gains already made in hands-on tool time by the Autocrib programme implemented in 2017. Frequently requested consumables by plant-based personnel are now easily accessed at a vending dispenser installed at the Warehouse. In 2018, a second dispensing machine was installed at the Maintenance building. The drive to increase hands-on tool time is one of the projects earmarked for CI in overall corporate productivity.

For more information on our supply chain management, visit our website at www.atlanticng.com.





Community Development

A significant aspect of who we are as a company is our aspiration to be a responsible corporate citizen, contributing where feasible to sustainable economic development at the community and national levels and also to advancing the great potential that lies within the people of Trinidad and Tobago.

Whether working closely with our partners in our home community Point Fortin and other communities, or collaborating with NGOs at the national level, our social investment initiatives aim to empower people through capability growth and provide a stimulus for lasting, positive, transformational impact.

We believe in strong relationships with our stakeholders, fueled by proactive and ongoing engagement that helps us to identify together the interventions that they need the most. This engagement spans initiatives in our 4 focus areas – Sports, Health and Wellbeing; Education; Entrepreneurship; and Environment. In addition, we also contribute to other activities based on ad hoc requests, which are considered by our Sponsorships and Donations Committees.



Community Development Performance Data

Environment

Key Programmes

- National Sea Turtle Tagging and Monitoring Programme via the Turtle Village Trust
- Atlantic Environmental Education Series

2018 Progress

297

Individual beneficiaries

\$172.6k

Expenditure in US\$

Entrepreneurship

Key Programmes

- Loan for Enterprise and Network Development Agency (LEND) – the LEND micro-financing Programme issued its first loan in December 2014 with the aim to improve livelihoods and to diversity economic capabilities of citizens in areas outside of the traditional oil and gas sector.
- University of Trinidad and Tobago (UTT) Agricultural Enterprise Training

2018 Progress

106

Loans issued

\$541k

Value of 2018 loans in US\$

Sport, Health and Wellbeing

Key Programmes

- Atlantic Primary Schools Learn to Swim Programme
- Atlantic National Primary Schools Swim Meet
- Atlantic Primary Schools Tennis Programme
- West Indies Players' Association (WIPA) in the Community
- Atlantic Real Madrid Social Sports School
- Atlantic National Primary Schools Cricket League
- Atlantic National Primary Schools Football League
- Atlantic National Primary Schools Track and Field Championships
 - Atlantic National Primary Schools Multi-sport Series
 - Atlantic Coaching Excellence (ACE) Programme

2018 Progress

12.6k

Individual beneficiaries

\$660k

Expenditure in US\$

Education

Key Programmes

- Point Fortin's Finest Leadership Development Programme
- NESC Skills Training Programme
- Atlantic Ultimate Field Trip
- Point Fortin Literacy and Numeracy Programme

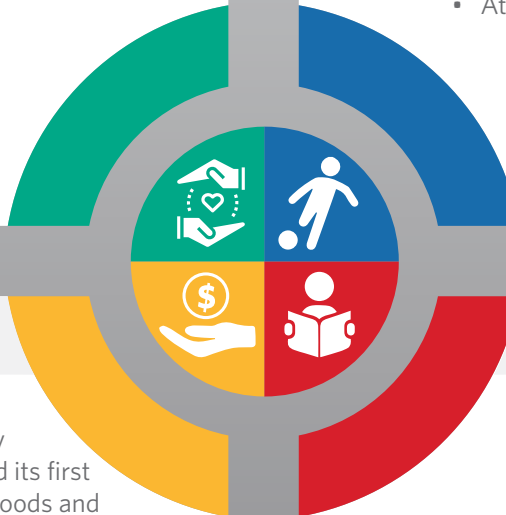
2018 Progress

9.3k

Individual beneficiaries

\$201.1k

Expenditure in US\$



Programme Name	Values in US\$		
	2018	2017	2016
Sport, Health and Wellbeing			
Atlantic Primary Schools Learn to Swim Programme	\$41,294	\$48,743	\$39,196
Atlantic Primary Schools National Swim Meet	\$10,295	N/A	N/A
Atlantic Primary Schools Invitational Swim Meet	N/A	\$12,410	\$13,084
Atlantic Primary Schools Tennis Programme	\$51,396	\$48,957	\$39,110
West Indies Players' Association (WIPA) in the Community	\$230,691	\$262,154	\$261,317
Atlantic Real Madrid Social Sports School	\$151,729	\$162,732	\$162,213
Atlantic National Primary Schools Primary Schools Cricket League	\$66,392	\$62,988	\$67,729
Atlantic National Primary Schools Primary Schools Football League	\$46,782	\$57,389	\$54,676
Atlantic National Primary Schools Track and Field Championships	\$33,196	\$26,014	\$3,873
Atlantic Primary Schools Multi-Sport Series	\$11,800	\$11,800	N/A
Atlantic Coaching Excellence (ACE) Programme	\$16,655	\$6,813	\$10,586
Sub-total	\$660,230	\$700,000	\$651,784
Education			
Point Fortin's Finest Leadership Development Programme	\$118,493	\$105,967	\$120,775
NESC Skills Training Programme	\$30,917	\$42,075	\$21,647
Point Fortin Literacy and Numeracy Programme	\$7,730	\$9,016	N/A
Atlantic Ultimate Field Trip	\$44,000	\$68,543	\$73,529
Sub-total	\$201,140	\$225,601	\$215,951
Environment			
Turtle Village Trust	\$100,838	\$46,278	\$86,397
Atlantic Environmental Education Series	\$29,745	\$38,153	\$38,032
Sub-total	\$130,583	\$84,431	\$124,429

Our Sustainability at Work

Community *continued*

Programme Name	Values in US\$		
	2018	2017	2016
Entrepreneurship			
Loan for Enterprise and Network Development Agency (LEND)*	\$250,026	\$398,053	\$172,674
UTT Agricultural Enterprise Training Programme	\$42,100	\$38,424	\$47,254
Sub-total	\$292,126	\$436,477	\$219,928
Other			
Habitat for Humanity - Home Covenant Programme	\$73,537	\$73,765	\$73,529
Contributions			
United Way	\$34,872	\$77,692	\$65,932
Donations	\$390,403	\$431,087	\$318,242
Sub-total	\$425,275	\$508,779	\$384,174
Sponsorships:			
Sponsorships – Other	\$387,424	\$558,064	\$560,187
Total	\$2,170,315	\$2,587,117	\$2,229,982

*Atlantic's annual expenditure on the LEND programme is not the same as the total value of loans issued. In 2018, the LEND agency issued loans worth US\$541k



Corporate Social Responsibility Solutions Limited (CSRSL) was engaged by Atlantic to provide independent assurance on the Atlantic Sustainability Report 2018 (the Report). The objective of this process is to provide assurance to Atlantic's report users over the objectivity and reliability of the reported information and that it covers the issues material to the business and its stakeholders.

Scope of Work

The scope of our work was to provide assurance on Atlantic's adherence to the AA1000AP (2018) Principles of Inclusiveness, Materiality, Responsiveness and Impact, as it relates to information presented in the Report (subject to limitations and exclusions outlined below) for the period January 1 to December 31, 2018.

Reporting Standard

The assurance process was conducted in line with the requirements of the AA1000AP (2018) Type 1, moderate level assurance.

Limitations and Exclusions

Our scope of work did not include the following:

- Verification of historic, financial or economic data presented in the Report;
- Information relating to activities outside the reporting period defined;
- Content of websites linked from the Report;
- Appropriateness of company's strategy, commitments, objectives and position statements.

Responsibilities

The preparation of the Report including the collection and presentation of information contained within and the maintenance of related information on the website are the sole responsibility of the management of Atlantic. CSRSL was not

involved in the drafting of the Report. Our responsibilities included:

- Provision of moderate level assurance over the objectivity and reliability of information contained within the report;
- Formulation of an independent conclusion based on evidence obtained and assurance procedures performed;
- Reporting on recommendations in a separate letter to management.

Methodology and Assurance Activities

Our assurance activities were guided by AA1000AP (2018) and included the following:

- Interviewing key management personnel at three Atlantic locations:
 - Atlantic Keate Street, Port of Spain
 - Atlantic Clifton Hill, Point Fortin
 - Atlantic Adventure Road, Point Fortin
- Reviewing online and other publicly available external media reporting related to Atlantic's Sustainability issues;
- Assessing the presentation and disclosure of selected information to ensure consistency with our findings.

Conclusions

Based on our assurance activities, nothing has come to our attention to indicate that the selected information is not fairly stated in all material aspects nor that Atlantic does not adhere to the AA 1000AP (2018) Principles of Inclusivity, Materiality, Responsiveness and Impact.

Assurance Statement

PRINCIPLE	COMMENTS
Inclusivity Actively identifying stakeholders and enabling their participation in establishing the organisation's material sustainability topics and developing a strategic response to them.	Atlantic continues to engage with a wide range of stakeholders including employees, members, service providers, government and regulatory agencies, local communities and the media. There are open lines of communication and feedback is incorporated into decision making.
Materiality Identifying and prioritising the most relevant sustainability topics, taking into account the effect each topic has on the organisation and its stakeholders.	Atlantic's approach to materiality is consistent with 2017 and is deemed to be appropriate. As the organisation seeks to streamline its reporting it needs to ensure that the Sustainability Report continues to comprehensively reflect priority issues for stakeholders.
Responsiveness Reacting in a timely and relevant manner to stakeholder issues that affect material sustainability topics and their related impacts.	Atlantic actively responds to internal and external stakeholder issues related to sustainability topics. Structured systems and procedures are in place to both identify and address concerns.
Impact Impact is the effect of behaviour, performance and/or outcomes, on the part of individuals or an organisation, on the economy, the environment, society, stakeholders or the organisation itself.	Atlantic is acutely aware of the organisation's impact on the wider society and environment and continues to monitor and report on important issues such as Green House Gas (GHG) emissions. It would be useful for Atlantic to consolidate sustainability targets (social, environmental and economic) for more comprehensive monitoring and evaluation.

Melanie J. Richards, Director
June 24, 2019

CSR Solutions Limited, Port of Spain, Trinidad and Tobago
melaniejrichards@csrsolutions.org

CSR Solutions Limited is an AccountAbility Licensed Assurance Provider. Our approaches to assurance are designed to ensure that there is no bias or conflict of interest in the work we undertake with clients. CSRS� does not have any interest or shareholding in Atlantic or any of its shareholders. Our last engagement for Atlantic was the provision of assurance on the Atlantic Sustainability Report 2017.

Design: SAGE Corporate Communications & Publications
A Division of Lonsdale Saatchi & Saatchi Advertising Limited



ATLANTIC LNG COMPANY OF TRINIDAD AND TOBAGO
P.O.Box 1337, Corner Keate and Pembroke Streets,
Port of Spain, Trinidad and Tobago
Tel: (868) 624-2916 Fax: (868) 624-8057

www.atlanticlng.com