

2017 Sustainability Report

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About this report

Atlantic is pleased to share our 14th Sustainability Report. This report provides detailed information on our performance during 2017 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.



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Q: The local gas industry continued to reel from low supply volumes in 2017. What did Atlantic do to manage this challenge?

A: Atlantic has faced low gas supply challenges for a few years, so this was nothing new in 2017. While utilisation was low last year, at around 72%, this was a slight increase on 2016 (68%).

Given the ongoing challenge, we did not introduce any new initiatives, but rather continued with our existing Atlantic Optimisation Programme, which looks at all aspects of the business in an effort to make Atlantic as efficient as it can be. We make every molecule of gas count.

Q: Given these low supply volumes, how do you see Atlantic continuing to create value for Trinidad and Tobago?

A: I am more optimistic now than I was 12 months ago, in relation to the gas supply situation. We saw an improvement in the second half of 2017 with new sources of gas supply coming on stream: Juniper, TROC and Sercan. We expect that to continue in the foreseeable future, given the additional sources of gas coming on in the next few years, Angelin with BP and Starfish with Shell. With the Train 1 renewal set for 2018, we will continue to run a safe, efficient operation and create sustainable value for all of our stakeholders over the long term.

Q: In 2017, Atlantic undertook a resource optimisation initiative. What impact has it had on the business?

A: When we talk about resource optimisation, we really mean a reorganisation. This involved making sure that we have the right level of skills and resources to run the business efficiently going forward.

We went through the rather painful process of downsizing in some areas, both in terms of staff and contractors. This is not something that you ever want to have to do, but I think there comes a time when you have to make difficult decisions for the good of all stakeholders.

We aimed to get the right result for everyone in the best possible way. Fortunately, we were able to achieve the majority of staff reductions on a voluntary basis, which helps. Throughout the process we made every effort to complete the reorganisation in an open, honest, transparent, fair and respectful way. The feedback we have received internally and externally has reassured us that we achieved those goals.

It was an incredibly difficult process for the organisation, with significant uncertainty, but our staff were fantastic throughout. They showed great



understanding and maturity, and I was struck by their dedication, commitment and motivation through a trying time.

I know it's a bit of a cliché, but I believe Atlantic and our people will be stronger for it. We look forward now, positively.

Q: Process safety in the energy sector was very topical in 2017, with Atlantic not immune to incidents. How has the Company responded to ensure safe operations?

A: We did have a difficult year. We had two significant process safety incidents. One was a gas release on Train 3 on August 2, and then in September we had a fire on one of our nine power generation units. Fortunately, no one was physically hurt in either incident.

I think it came as a shock really, as Atlantic has had a very strong personal and process safety record. To have two process safety incidents in a matter of weeks was concerning. I understand there will be concerns, but I believe that we are still running a very safe operation, we wouldn't do it if we didn't think that.

Both incidents were fully investigated and the immediate root causes dealt with. We also extended the scope of our triennial Safety and Operational Integrity audit to include the process safety incidents and our management of process safety. This audit resulted in a detailed action plan to address the gaps and weaknesses that we have in certain areas.

Finally, at the end of 2017 we conducted an extensive Process Safety Culture Survey amongst staff and contractors. We welcome the feedback that we have received and will use this to make Atlantic even safer and improve the ways that we communicate with our stakeholders.

Q: Despite the dynamics facing the local and global oil and gas industry, sustainability remains a priority for Atlantic. How and why do you maintain this focus?

A: Atlantic has the responsibility to be a good corporate citizen and to generate sustainable value for a wide range of stakeholders, whether this be through our core operations, health and safety activities, environmental initiatives, community investments or the treatment of our people and suppliers.

Sustainability needs to be long-term, not just a fashion – in one week and out the next. If you look at our community development programmes, many of them are still going strong after more than 10 years, and I think that is important. I think the LEND programme has been great in terms of the microfinancing for businesses and creation of employment in the area, and this was introduced as a new idea three or four years ago. We are really pleased with the way that has been going. That is definitely a long-term programme for us. In terms of people, there is a tendency to cut graduate intake and training, but we haven't. We have sustained our graduate intake each year throughout the downturn, as that is the future of the Company, and the future of the country.

We also try to focus our efforts on issues that are relevant to our business and realistically achievable. We avoid spreading ourselves too thinly as this isn't sustainable. We ask, how can we generate sustainable programmes for the longer-term and reinforce those to do the best we can?

While we focus on sustainability because we believe it is the right thing to do as a corporate citizen, we also acknowledge that there are significant benefits to the business, not least in terms of attracting, retaining and developing the best people.

Q: Can you give an example of how Atlantic's contributions to social and environmental initiatives benefit society?

A: On the local side, in Point Fortin, we talked about LEND, which is an important project for small businesses in our home community and that is something that we will continue to focus on. On education, I talked a little about the development of our graduates, but we also sponsor a vocational programme with the National Energy Skills Centre.

At a national level, we have various sporting programmes that we have sponsored for a number of years; for example, schools' cricket and football. These are targeted at the younger generation and are designed to develop physical abilities as well as life skills. Participants learn how to conduct themselves appropriately and work effectively in teams. Hopefully, they can then spread these lessons both at school and in their homes. You need to make programmes robust and sustainable so that they are there for the longer term. That is what we really try to do.





Chairman's statement

*A clam*tic takes seriously its commitment to being a responsible corporate citizen. We continue to uphold our global reputation by leveraging our creativity and maintaining our commitment to the core values which are the key drivers to our strategy.

Our success has been forged through strong collaborations between our people, our suppliers, our NGO involvement and other stakeholders. It continues to be my pleasure to be a part of a diverse and vibrant organisation that contributes to the sustainable growth of Trinidad and Tobago

Gordon Deane Chairman



Our approach to value creation

Who we areHow we create value



Who we are

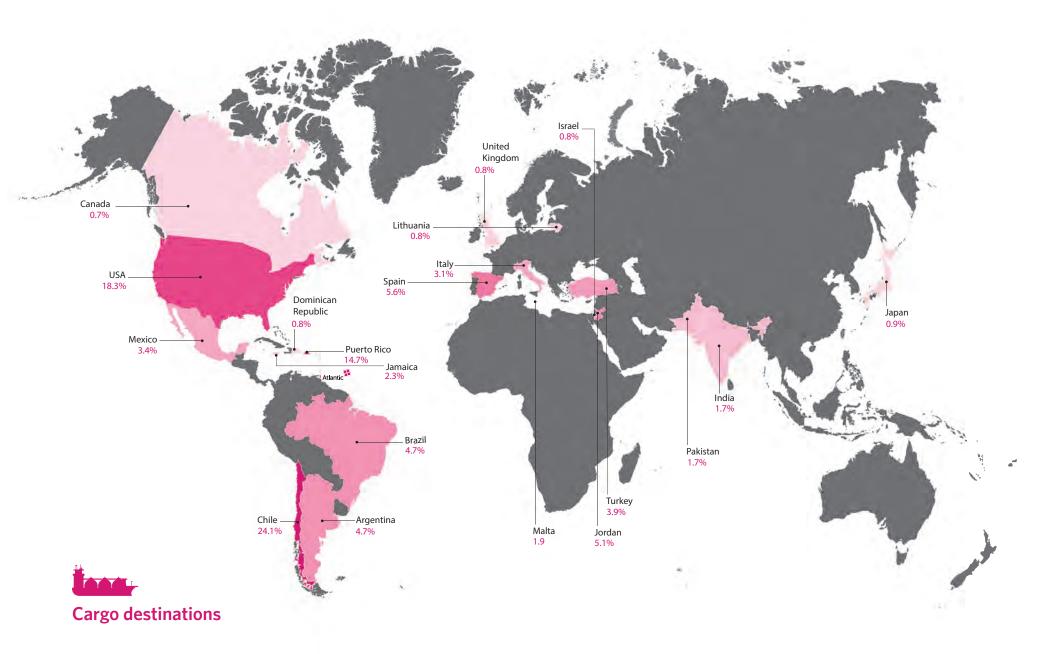
Atlantic LNG Company of Trinidad and Tobago (Atlantic or Company), ranks among the world's largest producers of liquefied natural gas (LNG). Located on the south-west coast of Trinidad, in the community of Point Fortin, we produce LNG from natural gas supplied by offshore fields in and around Trinidad and Tobago, at our 4-train liquefaction facility (Facility).

As a global LNG business, we strive to lead in the areas of safety, plant utilisation and reliability. We are passionate and committed to sustainability – how the work we do today can develop our home community and contribute to a better Trinidad and Tobago tomorrow.

We are, and will continue to be, a company that is ethical and transparent, a leader in corporate responsibility, a preferred employer and an industry-leading value creator.

For detailed information on our business, trains and ownership, you may visit our website at **www.atlanticlng.com.**







How we create value

Our strategic objective – One Team creating optimal value through the safe, reliable and efficient conduct of our LNG business – defines our strategy and our approach to achieving it. Our strategy is guided by six strategic elements that help us navigate toward success and focus our actions and outcomes on the future we envision for the business.

HSSE and Asset Integrity

To run a safe operation, maintain the integrity of our assets, preserve the health and safety of our people, demonstrate prudent environmental stewardship and provide security assurance.

Production

To maintain safe, reliable and compliant operations.

Project Excellence

To consistently deliver effective solutions for key safety, integrity, environment, reliability and capacity risks by implementing excellence in the planning, management, execution and operability of brownfield projects.

Cost Management and Value Creation

To create a cost efficient and value driven organisation, maximising returns to our stakeholders.

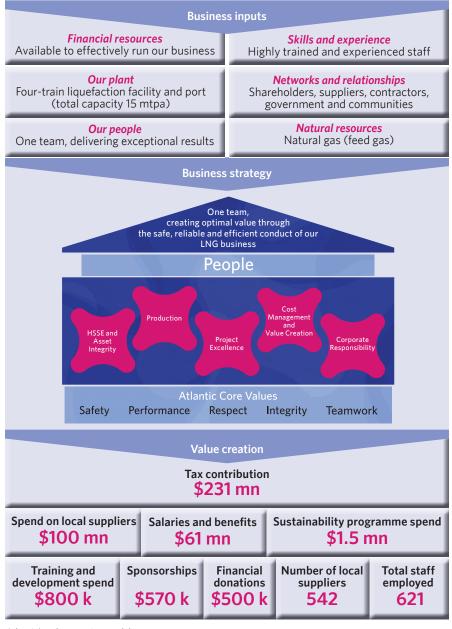
Corporate Responsibility

To conduct our business responsibly and in accordance with our Core Values, supporting the local and national communities in a sustainable manner.

People

One team delivering exceptional results.

Our Core Values are deeply rooted and express who we are as a company, helping to shape the way we do business. They serve to strengthen our organisational culture and keep us grounded through changing landscapes. They underpin our corporate culture – a culture that is positive and robust.



Atlantic's value creation model



Engaging 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 growing strong, meaningful alliances and pursuing active dialogue with key groups 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 shareholders ("Members"), service providers, central and local government, regulatory agencies, local communities and the media.



Focusing on what's important



• Ethics and integrity

2017 Sustainability

Our sustainability efforts

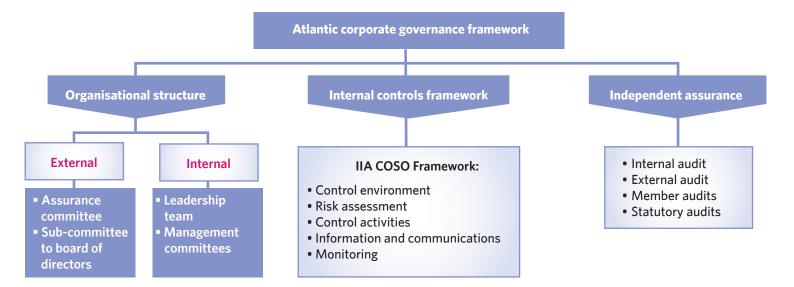
- Corporate governance
- Health and safety
- Our people
- Environment
- Supply chain management
- Community
 development



Corporate governance

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





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 allow us to mitigate risk to our business, our people and our reputation.

Organisational structure

Atlantic operates and manages four LNG Trains on behalf of the owners of each of the Trains.

The CEO and the COO are responsible for Atlantic's strategic objectives and managing operating activities in order to meet the interests of shareholders and other stakeholders. They are supported by the Leadership Team, which comprises the heads of each Business Unit. The Leadership Team meets once per month to review and report on performance and progress against strategic objectives.

The Management Team represents the next supervisory level and reports directly to the Leadership Team. The Management Team meets quarterly to review progress against annual targets, consider information to be disseminated throughout the organisation, and discuss new policies and initiatives.

A number of sub-committees govern individual strategic and sustainability objectives; for example, the Assurance Committee, Technical and Operations

Sub-Committee, Finance and Tax Sub Committee, Sustainability Committee, Donations Committee and the Sponsorships Committee.

Internal controls framework

The Corporate Governance Framework leverages the five components of the Committee of Sponsoring Organisations of the Treadway Commission (COSO), to provide guidance on organisational governance, business ethics and internal controls. These five components and specific examples of how they are implemented within Atlantic are:

- I. Control environment (e.g., code of ethics)
- II. Risk assessment (e.g., risk management standard)
- III. Control activities (policies and procedures)
- IV. Information and communication (sustainability report)
- V. Monitoring (internal audit and external assurance activities)

Atlantic's governance system guides the manner in which the organisation is overseen and managed. Governance in Atlantic 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.



Leading on anti-bribery and corruption (ABC)

Since Atlantic's inception, we have taken an uncompromising stance on ABC and continuously work to build on and embed our existing ABC Programme. In 2017, we continued with a three-year cycle of refresher training initiatives and communicated these principles to our people and contractors.

Almost 75% of our staff took part in these sessions and we will continue to provide refresher training at regular intervals in the future. We continue to make ABC material readily available and visible across our operations through communications media such as posters, electronic message boards and on the Company intranet. We also promote ethical behaviours at Company meetings and events.

Mitigating the risk of fraud

At Atlantic, we apply a risk-based approach to fraud prevention across all aspects of our operations. We also conducted corporate fraud prevention and detection training with our Contract Accountable Managers, as well as our Accounts Payables and Treasury teams.

Fraud Risk is managed through the Fraud Risk Register, which allows us to identify, analyse and mitigate potential fraud risks. The Register is updated annually and no substantial fraud risks were identified in 2017 nor were there any confirmed incidents of fraud or money laundering. Finally, no legal actions were brought against Atlantic in 2017 in relation to fraud or money laundering.

Risk mitigation is also demonstrated in our robust due diligence activities, where we look at risk before conducting business with potential stakeholders. This can be seen in our procurement of goods and services, selection of beneficiaries for donations and sponsorships, and choice of community investment partner organisations.

Atlantic is committed to leading the way on strong ethics and business conduct. We hold ourselves to high standards of performance and believe in acting with honesty and integrity, treating each other and our stakeholders with respect, and being accountable for our actions. All our staff and contractors are empowered to raise compliance related concerns or complaints via the "Speak Out!" platform. "Speak Out!" facilitates confidential and anonymous reporting and ensures that legitimate complaints are investigated and reported to leadership for action as appropriate.

Independent assurance

Confidence that Atlantic's business activities are being performed with integrity is provided by the Internal Audit function and by external assurance providers. External assurance is driven primarily by regulatory requirements, Member requirements or management requirements.

Atlantic's Internal Audit team reports to the Assurance Committee. This independence allows Internal Audit to perform in-depth reviews of business processes and specific areas such as risk management, commercial contracts, operational activities, capital projects and IT systems. This has given rise to process efficiencies and cost savings of USD\$7.4 mn in 2017.

With regards to sustainability, for the last five years Internal Audit has conducted in-depth reviews of all major sustainability programmes. These reviews included contract compliance, governance structures, budgeting, accounting records and success of programme delivery. These reviews identified opportunities to strengthen the governance structure of the NGOs and community service organisations (CSOs) with which we have partnered, and led to our facilitating a series of good governance workshops in collaboration with the Trinidad and Tobago Transparency Institute (TTTI) to promote transparency, accountability and integrity with our stakeholders.



Health and safety

We will do it safely or we will not do it



2017 was a challenging year for process safety at Atlantic, having faced two consecutive significant process safety events at our Facility. In August, we experienced a hydrocarbon gas release and in September, a fire occurred on a power generation unit. Both incidents drew swift responses from our Operations and Crisis Management and Emergency Response Teams to ensure the incidents were managed according to our crisis and emergency response plans and quickly brought under control.

As a result of the hydrocarbon gas release incident, Atlantic incurred our first Lost Time Incident (LTI) after accumulating almost 37 million man-hours without an LTI over a period spanning almost 10 years.

Crisis management and emergency response

As a global corporation, Atlantic and our major stakeholders face a variety of potential threats which can impact our people, our facilities and our operational assets. Such events can create a crisis that will require immediate action by management. The aim of Crisis Management and Emergency Response is to:

- Anticipate, evaluate and manage risks by implementing programmes that emphasise prevention, mitigation, effective emergency preparedness, response and recovery plans; and
- Properly evaluate threats and take those measures necessary to mitigate the risks to Atlantic and our employees becoming a victim of an industrial accident or target of an attack.

Both events were thoroughly investigated with the support and expertise of Member representatives. In addition, an intensive safety, operational integrity and marine management audit was conducted to identify areas for improvement. We have reflected deeply on the lessons learnt in order to prevent subsequent events and have shared the learnings from both incidents with our stakeholders.

Safety achievements

In 2017, Atlantic delivered one of our largest Turnarounds (TARs) with approximately 660,000 man-hours completed over a period of 30 days. During this period over 1,000 jobs, most of which constituted high-risk work, were completed with only two OSHA recordables sustained over the TAR. In support of the TAR, a safety village was held to increase site-specific HSE awareness of



contractor employees. During this safety village, approximately 2,100 service provider employees were trained in Atlantic's specific site safety rules.

Three initiatives in particular saw significant progress in 2017:

- 1. New software for Atlantic's contractor onboarding programme was piloted prior to the Train 4 TAR (Details shared in the case study on page 21).
- 2. To increase our employees' awareness of their role in process safety management, we hosted our 6th Annual Process Safety Week during the period June 6-8, 2017 under the theme, "The Human Aspect of Process Safety." This interactive event consisted of daily sessions and workshops which targeted staff within Operations, Technical, Engineering, General and Administrative functions, alongside employees from service provider companies.
- 3. A safety, operational integrity and marine management audit was conducted in November 2017 by a cross-section of Member process safety subject matter experts. The audit identified areas of focus including leadership, operating discipline, incident investigation, risk management and environment. To gain a deeper understanding of areas for improvement, a Process Safety Culture Survey was opened to staff and contractors to assess the Company's performance in relation to how process safety is planned and executed. The survey received an overall response rate of 84% and highlighted the need to place greater focus on maintenance, controls and procedures, contractor engagement, as well as process safety leadership and awareness. From these results, interventions will be tailored and implemented that will help us to strengthen our process safety performance.

OSHA recordable rate		0.176		
Type of injury		Atlantic personnel	Contractor personnel	Total no. of injuries
OSHA recordables	Fatalities	0	0	0
	Lost time incidents	0	1	1
	Restricted work case/ Medical treatment case	0	2	2
First aids		10	59	69
Occupational diseases		0	0	0
TOTAL		10	62	72

Atlantic's 2017 health and safety performance

Health achievements

We have continued to focus on the medical, wellness and industrial hygiene elements of occupational health, with added consideration of the ways these interact. This has provided a more holistic approach to occupational health management.



Women's Cricket League 2017

Wellness

In response to elevated national levels of chronic non-communicable diseases (CNCDs), we continue to manage a comprehensive wellness programme, providing opportunities for physical exercise including aerobics, spin classes, gym facilities and inter-departmental sporting competitions. We also make dietetic services available to staff in an effort to optimise their physical and mental wellbeing. In 2017, approximately one fifth of our staff took advantage of these services.

Fit for work and executive medical programmes

We have a comprehensive fit for work programme governing both employees and service providers. This programme ensures that persons are fit to undertake the duties they are assigned, without risk to their health and safety or that of their co-workers and members of the public. In 2017, over 2,500 medicals were completed for members of staff and service providers.

Stress management programme

2017 was a challenging year for the business and our people. With this in mind, we launched a stress management campaign which consisted of a series of lectures and awareness sessions. These were designed to help our people recognise the signs of stress, understand the adverse health consequences and develop appropriate coping mechanisms. Information was also made available to staff through the intranet and in hard copy.

Chemical management

Our HSE Team launched an online tool for the systematic review of chemicals prior to them being used by the Company. This initiative formed part of a chemical management programme that has provided a greater level of control of the procurement, storage, use and disposal of chemicals at the Facility.



Over 2,500 medicals completed for staff and contractors under our Fit for Work programme





Leading the way on contractor onboarding

At Atlantic, the support of contractors is required to complete some of our most critical activities. The success of these tasks depends heavily not just on their ability to meet technical deliverables, but also on how well they are integrated into the operations of the organisation. Assimilating contractors into a new business or project, known as contractor onboarding, is a fundamental step in the management of our contractors, which can have implications along the contract life cycle. Atlantic's current contractor onboarding programme is focused on reviewing and improving this process, to ensure they meet the requirements for working at our Facility.

In an effort to drive continuous improvement, we conducted a review of our contractor onboarding process in 2017, which identified the following areas for improvement:





Contractor onboarding is a fundamental step in managing our contractors

In response, a specialist provider was engaged to institute a customised, cloudbased solution to address the gaps identified. The system was successfully "stress tested" in the Train 4 TAR, a process which helped us to identify opportunities for improvement, primarily in the area of staff training and medical requirements.

In time, we expect our contractor onboarding processes to create the following benefits:

- Reduced administrative burden
- Increased consistency and efficiency of processes
- Reduced cost
- Reduced risk and strengthened assurance around health, safety and technical requirements
- Increased contractor time in the field
- Improved reporting and transparency

Our people

At Atlantic, we consider our people to be one of our strategic assets. As such, our long-term strategy is to attract, retain and develop a diverse range of talent with skills and behaviours aligned with our values. This is critical to our sustainability and continued success.

Facing depressed global LNG prices and unprecedented levels of gas shortages, a comprehensive review of our business was conducted to ensure that we remain efficient in an increasingly challenging environment. Part of this review assessed the resources required to streamline our activities, which resulted in a reduction of just under 9% in our permanent staff numbers. The majority of these reductions was achieved via voluntary separation of employment packages (VSEP). The outcome was an optimised organisational structure for the business.



Developing our people

Learning and development

Enabling and encouraging our employees to maximise their potential is a cornerstone of our success. We continually support the development of our staff through various initiatives, ensuring that collectively we have the requisite skills to support the longevity of our business. These efforts are typified by the following programmes:

Operator Trainee Programme – In 2017, 11 Operator Trainees were chosen to further their professional development through our 18-month Operator Trainee Programme. This programme provides the opportunity to earn the National Training Agency's Level 2 Caribbean Vocational Qualification (CVQ) in Process Plant Operations.



"The programme has taught me that leaders love what they do, build rapport and good relations with others and embody the 'One Team Approach.' They know that in this industry, their safety depends on others."

Malinda Chaitlal



"The experience I gained from the programme is invaluable. I now make an effort to mentor graduates, both formally and informally, as my way of giving back. I encourage them to be open to challenges and opportunities as that is the only way to learn and progress; and above all, to always strive to their best selves."

Jor-el McLean

Graduate Internship Programme – Also in 2017, we recruited 12 Graduate Interns to participate in our 2017-2019 Graduate Internship Programme. This programme allows them to build the necessary skills and gain exposure to the LNG industry, while also participating in a Point Fortin community project. In 2017, the interns continued with the "New Perspectives and Brighter Futures Project," initiated by their predecessors. The project aims to help secondary school students overcome the challenges experienced at this critical stage of their education; for example, identifying their passion and choosing subjects that will help fulfil them.



Beyond these specific programmes, we continued the development of our people, with an average of nine hours of formal training per employee. This is down from an average of 10 hours in 2016. This reduction in the average number of training hours is primarily attributable to our strategy of focusing on critical training and on-the-job development during this period. In 2017, male employees averaged seven hours of training, compared to 10 hours for female employees, an increase over 2016 in the latter category.



2017 Sustainability Report

Environment

As a business that is committed to sustainability, monitoring and managing our environmental impact is integral to our operations. We go beyond compliance by actively seeking opportunities and taking steps to reduce our impact across the business. We believe this is good for business, the economy and society.

To sustain an environmentally conscious business, we take a holistic approach that integrates policies and procedures, best practices and stakeholder engagement into our operations and decision-making. We also regularly monitor and report on our performance against Key Performance Indicators (KPIs) which help us to monitor and track our major deliverables for the environment.

Atlantic

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A call for continued action on climate

Climate change is a global challenge. Solving it will require cooperation between governments and the private sector. In 2017, we bolstered our approach to managing environmental risk in line with the increased global urgency to address climate change and transition to a low carbon future. Atlantic recognises the ambition to limit average global temperature rise to below 2°C compared to preindustrial levels, as outlined in the United Nation's Paris Climate Agreement. Under this agreement, Trinidad and Tobago's Nationally Determined Contribution (NDC) is to reduce Greenhouse Gases (GHGs) from three sectors – power generation, transport and industry – by 15% by 2030, compared to a business as usual scenario.

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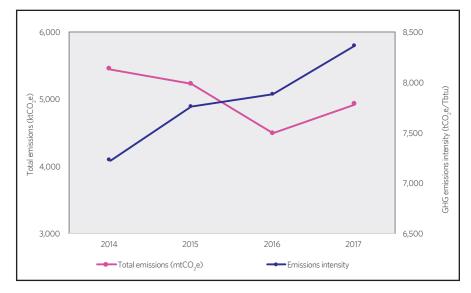
GHG and energy management

In April 2017, Atlantic initiated a cross-organisational process with our Members to develop a GHG and Energy Management Plan. This plan has since been incorporated into our corporate strategy and operations in order to achieve emissions reductions and improve climate resilience. It defines and outlines opportunities and key initiatives to reduce GHG emissions, increase energy efficiency, and minimise flaring. A total of 23 opportunities were identified and categorised in the plan, based on criteria including their potential to reduce emissions, create economic returns and risk ratings. Included in the plan are 17 more initiatives proposed for consideration.

It is worth noting that these opportunities are not limited to our facilities, but also take into account emissions from third party shuttles/couriers and marine tugs, as well as purchased electricity, which are included in our Scope 1 and Scope 2 GHG Emissions Inventory.

In 2017, the reported direct emissions controlled by Atlantic (Scope 1) increased by almost 10%, largely due to a change in the calculation methodology implemented in 2016, increased production and the identification of additional sources of emissions. Indirect emissions, which result from the generation of grid electricity (Scope 2) decreased by approximately 1%, a reduction attributed to efforts to reduce electricity consumption; for example, implementing automated control of internal lighting in the Point Fortin Administration Building and the use of LED bulbs.

Over the period to 2021, we aim to reduce GHG emissions against a 2014 baseline through targeted GHG reduction projects.



Atlantic's 2014-2017 absolute GHG emissions and GHG emissions intensity for Scope 1 and 2

Total GHG emissions	;			
(tCO ₂ e)	2017	2016	2015	2014
Scope 1 (Direct)	4,914,749	4,482,568	5,216,745*	5,436,979*
Scope 2 (Indirect)	3,382	3,403	3,847	3,657
Total	4,918,131	4,485,971	5,220,592	5,440,636

2014 – 2017 Scope 1 and 2 emissions (tCO₂e)

*GHG data for 2014 and 2015 has been restated based on our updated methodology



Creating sustainable business through our environmental management system

As a company committed to the conservation of the environment through sustainable practices, our approach to environmental management is both systematic and meaningful. We have enjoyed a steady track record of environmental leadership, being third party certified against the ISO 14001 standard for Environmental Management Systems (EMS) since 2001. Our EMS gives us the opportunity to foster common practices and solutions as a means to achieving continuous improvement and consistency in our operations, and more effective environmental management over the long term.

Our most recent EMS audit was completed in 2017. To complete the transition of the EMS to the revised ISO standard, ISO 14001:2015, we are working towards becoming re-certified against the new standard in July 2018. As part of this process, we conducted a Gap Analysis of the EMS and re-evaluated key environmental issues in the context of an evolving organisation. These activities led to the implementation of several measures to improve our environmental performance and strengthen our systems and processes. In addition to ISO requirements, the EMS is currently under review to ensure alignment of our compliance obligations with national legislation and the requirements of Atlantic's Certificates of Environmental Clearance (CECs) for the Facility and our associated operations.

Engaging stakeholders on environmental issues

Each year, Atlantic openly engages with stakeholders from academia, government, regulators, industry peers, NGOs and local communities on environmental issues. In addition to ongoing engagement activities, 2017 saw the launch of our environmental photography competition, "Connecting with Nature," an environmental lecture series and our annual recycling competition for staff and service providers.

Atlantic aspires to continue to find ways to contribute to environmental protection, while building awareness of environmental issues among all our stakeholders.

Areas for improvement

Spills are a risk to be managed at our Facility, given their potential impact on the environment. Over the last two years, there was an increase in the number of spills documented at the Facility. We have responded to the increased reports

and our performance in this area has shown improvement. Also being closely monitored is the quality of the effluent discharged from the Facility, as well as carbon monoxide emissions from our heater stacks. A cross-functional team continues to evaluate the effectiveness of measures implemented in these areas and assess more effective, long-term solutions.

An environmental operating practice field guidance document has been implemented to guide work activities with the potential to have environmental impacts. This guide identifies mitigation measures for different environmental events and established tactical response plans are aligned to support them. These include early reporting and close collaboration with our Operations and Maintenance teams.

Environmental monitoring	Description	% Compliant wi environmental 2017	
Effluent	Effluent discharged from the Sewage Treatment Package (STP)	81%	80%
	Effluent discharged from the Corrugated Plate Interceptor (CPI)	78%	85%
Stack emissions	Emissions from Heater stacks	90%	81%
	Emissions from Turbine Generator stacks	100%	100%
	Emissions from Turbine Compressor stacks	100%	100%
	Emissions from Incinerator stack	100%	100%

Environmental monitoring of effluent and stack emissions at Atlantic

*Environmental Regulations:

Effluent – Water Pollution Rules, 2001 and Stack Emissions – Air Pollution Rules, 2014 The requirements of Atlantic's CECs for the Facility and our associated operations

Supply chain

At Atlantic, we understand that our footprint is not limited to our direct operations but extends across our value chain. As such, our sustainability commitment must also include our suppliers and the goods and services they provide.

Our Procurement and Supply Chain Management (PSCM) department plays a critical role in ensuring that our suppliers operate responsibly and comply with established standards for governance, ethical conduct and sustainability.



In 2017, active management of our supply chain involved conducting systems and governance reviews and inventory rationalisation towards increasing the efficiency and productivity of staff and contractors.



Increasing efficiency and productivity

In 2017, we achieved three major efficiency gains through supplier management. The first came from accelerating the approval of purchase orders via an electronic signature project, which reduced the time and effort involved while significantly reducing our use of paper. The project also improved the technological systems of our suppliers, enabling them to operate more efficiently and effectively. The second gain involved the rationalisation of our vendor base to ensure there is an optimal number of vendors registered for critical services. The process was modified to incorporate risk-based assessments, improved information sharing and now provides mitigating actions related to vendors' technical competencies, HSSE standards, financial health and governance structures. These improvements allow us to attract high quality vendors, create a more competitive cost environment and encourage innovation in the use of technologies and techniques to the benefit of the entire sector. By enhancing our process for supplier onboarding, we were also able to expand our supplier base.

The third source of productivity gains resulted from the engagement of vendors via vendor forums and one-on-one consultations, led by our Contract Accountable Managers (CAMs). These addressed challenges and concerns through sharing ideas, best practices and lessons learned in the areas of safety and communication. For example, we are now working to provide more timely communication of changes in our policies, procedures and work flow processes that may affect our suppliers.

Systems and governance reviews

To ensure we obtain the most competitive prices from our tendering process, multi-round tendering was introduced in 2017. This generated savings as vendors were more inclined to review their cost models in the context of a longer-term contract. In addition to process improvements, we also requested a deeper level of detail for prices quoted for maintenance services. This improved our negotiating position and yielded rationalisation of rates across these services.

Inventory rationalisation

Last year, we continued the "Shrink Our Space" (SOS) project, initiated in 2016. This project identified excess stock and reduced stock holding to make sure that we receive the right spares, at the right time, and at the right price. The initiative resulted in a reduction of storage space of over 40%, as well as the safe demolition of aged storage infrastructure.



Community development

At Atlantic, we believe that our role in society goes beyond being a significant contributor to the national economy. We use our time, talent and financial resources to enable sustainable growth and national development; we are proud of the role we play in moving Trinidad and Tobago ahead.

We are committed to having a positive impact within the wider national landscape in our chosen areas for development. This is especially important in our home community of Point Fortin.

2017 Sustainability Report

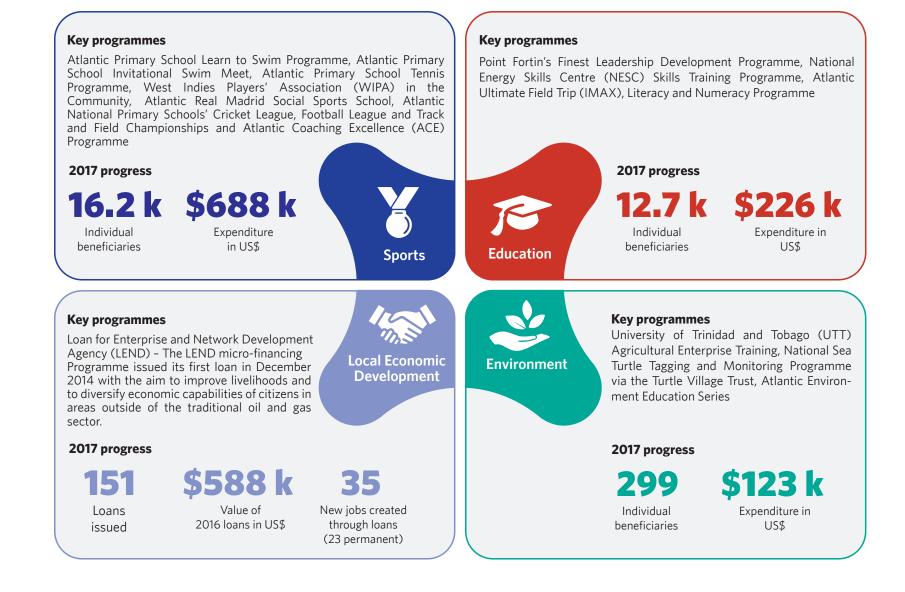


Atlantic has been working to empower communities and to build the skills and abilities of people. In so doing, we have enabled communities to play more active, self-sustaining roles and to create sustained economic value.

Our programmes are designed to be transformational and are underpinned by proactive and ongoing stakeholder engagement. This ensures that we maintain strong relationships with local communities and deliver the investments they need most. This engagement continues to inform our four focus areas - sports, education, local economic development and environment. In addition, we also contribute to other activities based on ad hoc requests, which are considered by our Sponsorships and Donations Committees.



Below is a summary of our key community activities in 2017. Full details on the breakdown of our community investments can be found in the Our Performance section of this report.







Point Fortin's Finest Leadership Development Programme

Since 2000, Atlantic has been awarding annual grants to the top ten placing Secondary Entrance Assessment (SEA) students from the nine primary schools within the Point Fortin school zone. These grants help to cover the cost of students' secondary school and university education.

An important component of this programme is the Point Fortin's Finest 'World of Work' initiative, which involves an annual school vacation internship at Atlantic, and annual developmental camps aimed at strengthening students' life, leadership and teamwork skills. A recently added mentoring element matches junior participants with advanced students so that they can benefit from the experiences of those who have already made their way through the programme. Finally, the Point Fortin's Finest Leadership Development Programme gives students the opportunity to engage in outreach volunteerism, enabling them to act as agents of change within their own communities.

To date, the Point Fortin's Finest Leadership Development Programme has assisted 189 students to further their academic and career goals, with 89 participants completing the full 10-year programme and 80 having graduated from university with degrees in medicine, law, computer science, agriculture, engineering, geology and business to name a few.

1898980overall participants
since 2000participants already
completing the full
10-year programmehaving already
graduated with
university degrees



Top SEA student Lexi Balchan joined the programme in 2017





Vice President Corporate Operations Toni Sirju-Ramnarine and alumnus Justin Newton (centre) with 2017 cohort

"Atlantic allows you to start small, right here at home in Point Fortin, and encourages you to go on to do remarkable things."

Justin Newton - cohort 2003

"The programme stresses the importance of team work, with almost every activity requiring you to work in teams. It is so important to instill this in young minds. They will use it throughout their entire life, every day, at home, in school and socially."

Tenoka Williams - cohort 2005

"This initiative is one of the most beneficial experiences that you will have. I am where I am today because of this programme; I have always been proud to refer to myself as part of Point Fortin's Finest."

Johnathon Mahabir - cohort 2008

"Point Fortin's Finest has definitely contributed towards my overall development as an intelligent young woman who sees no limit to my abilities. The programme has the perfect balance of fun and learning, and the experience I gained from the World of Work gave me the confidence to excel at my future job. I can unquestionably say the Point Fortin's Finest Programme has been a great asset to my individual growth."

Jeanique Davis - cohort 2009



ife is cool, inters rule. Atlantic **Our performance**



Our Performance

The following pages present details on Atlantic's sustainability performance over the last three years, in the areas of Economic impact, HSSE, People, Environment and Community development.

Economic impacts

Contribution types		Value	s in million US\$	
		2017	2016	2015
Taxes				
	Corporation tax	\$218.6	\$215.4	\$228.3
	Green fund levy	\$6.3	\$5.0	\$2.1
	Withholding tax	\$6.2	\$7.3	\$4.8
	Sub-total	\$231.1	\$227.7	\$235.2
Staff salaries and benefits*		\$60.7	\$66.6	\$67.9
Spend on training and development		\$0.8	\$0.5	\$1.7
Spend on local suppliers		\$100.3	\$144.0	\$151.0
	Sub-total	\$161.8	\$211.1	\$220.6
	Total	\$392.9	\$438.8	\$455.8
Employees and suppliers				
	Number of employees	621	706	746
Number of local suppliers	supported (businesses)	542	538	580

Atlantic's economic contributions in 2015-2017

*Staff salaries and benefits include PAYE



HSSE

Focus area		Leading Indicators	UOM	2017	2016	2015
	Man-hours		Hours	3,401,371	4,160,149	4,662,074
HSSE leadership	Participation in lea	adership/management walkdowns	Num	771	912	1,204
	Leadership struct	ured field assessments	Num	9	10	10
Control of work	Permit non-comp	iance not to exceed agreed target	%	5.71	0.13	0.16
	CoW assessment	5	Num	23	8	8
Contractor management	Contractor manag	ement/supervison walkdowns	Num	138	165	169
	Contractor safety	meetings	Num	117	241	276
Employee involvement/ participation	Employee interver	tions (STOPs, permit audits, hazard reports etc.)	Num	12,235	12,704	13,212
	Near misses		Num	153	143	178
HSSE training	HSSE training		Man-days	1,025	996	1,333
Emergency response	Completion of pla	nned emergency response drills	Num	25	57	54
Corrective actions / Lessons Learnt	On-time closure	f actions from incident investigation and LL by month	%	48	100	76
	HSSE actions closed on time		%	67	83	79
Focus area		Lagging Indicators	UOM	2017	2016	2015
Health and safety	OSHA recordable	frequency per 200,000 hours	Frequency	0.176	0.000	0.214
	OSHA recordable	s Restricted work case/Medical treatment case	Num	2	0/0	5
		Lost Time Injuries (LTI)	Num	1	0	0
		Fatalities	Num	0	0	0
	High potential inc	dents (HiPo)	Num	2	1	0
	First aid cases (wo	ork related)	Num	69	78	101
	Vehicular acciden	ts (site)	Num	13	13	18
	Dropped objects		Num	22	27	35
	Occupational hea	th illness	Num	0	0	0
Security	Security incidents	resulting in loss > US\$10,000	Num	0	0	0
	Sp	ills (greater than 1 gallon)	Num	NA	24	11
		n-reportable to regulatory agency < 10 L outside of secondary containment	Num	10	NA	NA
Environment						
Environment	Spills* No (ii) Re	n-reportable to regulatory agency any quantity within a secondary containment portable to regulatory agency) ≥ 10 L outside a secondary containment	Num	11	NA	NA

HSSE Scorecard 2015 - 2017

*Spills KPI definitions revised in 2017 and tracked as reportable and non-reportable spills



People

Employment contracts		Male	Female	Total
Permanent		425	145	570
Fixed term		5	1	6
Secondee		8	1	9
Direct contractor		0	0	0
Temporary		0	2	2
Trainees		19	15	34
	Total	457	164	621

Clerical and general services	Technical and administrative			Senior professional	Management	Executives
6.9	5.7	7.6	9.3	10.4	12.0	6.9

Total headcount by employment contract and gender in 2017

Average training hours by employee category in 2017

Age group	Male	Female	Total	Rate
Turnover				
Employees 30 and younger	1	0	1	0.16%
Employees 31 to 40	15	8	23	3.70%
Employees 41 to 50	20	5	25	4.03%
Employees 51 to 60	16	7	23	3.70%
Employees over 60	0	0	0	0.00%
Total	52	20	72	11.59%
New Hires				
Employees 30 and younger	3	0	3	0.48%
Employees 31 to 40	0	1	1	0.16%
Employees 41 to 50	0	0	0	0.00%
Employees 51 to 60	0	0	0	0.00%
Employees over 60	0	0	0	0.00%
Total	3	1	4	0.64%

Employment contract	Age group 30 and under	31 to 41	41 to 51	51 to 61	Over 61	Total headcount
Permanent	59	277	187	47	0	570
Fixed Term	2	1	0	2	1	6
Secondee	0	1	4	4	0	9
Direct Contractor	0	0	0	0	0	0
Temporary	1	1	0	0	0	2
Trainees	34	0	0	0	0	34
Total	96	280	191	53	1	621

Total headcount by age and employee contract in 2017

Employee turnover and hires by age group and gender in 2017



Environment

Indicators	UOM	2017	2016	2015
Energy				
Energy Use – fuel	Terajoules	89,509	85,103	95,694
Energy Use – electricity ^a	Gigajoules	18,428	18,516	20,955
Energy intensity ratio	Megajoules/MMBtu	152	150	142
Flaring				
Total natural gas flared ^ь	tCO ₂ e	337,090	168,695	361,606
Total flaring ^c	tCO ₂ e	458,477	263,689	469,688
GHG Emissions (Scope 1) - Emissions	data for 2015-2016 has be	en restated using	g our updated met	thodology
Carbon dioxide	tCO ₂ e	4,838,389	4,434,758	5,135,495
Methane	tCO ₂ e	69,244	43,549	75,910
Nitrous oxide	tCO ₂ e	5,222	4,188	5,238
HFCs	tCO ₂ e	1,894	73	101
Total Scope 1	tCO ₂ e	4,914,749	4,482,568	5,216,745
GHG intensity ratio	tCO ₂ e/TBtu	8,359	7,879	7,754
GHG Emissions (Scope 2)				
Carbon dioxide	tCO ₂ e	3,368	3,384	3,825
Methane	tCO ₂ e	3	2	2
Nitrous oxide	tCO ₂ e	11	17	20
Total Scope 2	tCO ₂ e	3,382	3,403	3,847
GHG Emissions (Scope 1 & 2)				
Total GHG	tCO ₂ e	4,918,131	4,485,971	5,220,592
Waste				
Hazardous waste generated ^d	Tonnes	4,707	2,670	2,811
Non-hazardous waste generated ^e	Tonnes	1,905	3,640	3,901
Total waste	Tonnes	6,612	6,310	6,712
Total hazardous waste stored	Tonnes	0	0	269
Spills				
Hydrocarbon spills ^f	Barrels	20.31	7.47	2.51
Other spills ^g	Barrels	9.80	2.40	10.14

Environmental performance 2015-2017

- a. Admin buildings includes Point Fortin Admin Building, Competency Development Centre, Point Fortin SCC Office, Clifton Court, Granville Court, Cedros Court and Princes Court.
- b. Total natural gas flared Is the sum of marine flaring and process flaring (wet and dry flare).
- c. Total flaring The sum of acid gas flaring, marine flaring, process flaring (wet and dry flare), refrigerant flaring (ethylene and propane).
- d. In 2017 there was an increase in hazardous liquid waste for disposal due to the inability to route hydrocarbon based condensate via the existing piping network and consequently this condensate was incinerated.
- e. Non-hazardous waste generated in 2017 was lower than previous years due to the change in method of measuring waste. In 2017 weights were obtained using a weighbridge.
- f. Hydrocarbon spills include lube oil, NGL and oily water.
- g. Other spills include amine, sulphuric acid and coolant.

	2017	2016	2015
Total waste (t) Waste disposal route	6,612	6,310	6,712
Landfill	14%	58%	58%
Incineration	63%	40%	35%
Co-processing	4%	2%	0%
Bioremediation	0%	0%	2%
Recycle/Reuse	19%	0%	1%
Storage	0%	0%	4%

Waste disposal routes 2015-2017



Community

			Values in US\$	
Programme name		2017	2016	2015
Sports				
Atlantic Primary Schools Learn to Swim Programme		\$48,743	\$39,196	\$40,768
Atlantic Primary Schools Invitational Swim Meet		\$12,410	\$13,084	\$10,477
Atlantic Primary Schools Tennis Programme		\$48,957	\$39,110	\$33,076
West Indies Players' Association (WIPA) in the Community		\$262,154	\$261,317	\$293,024
Atlantic Real Madrid Social Sports School		\$162,732	\$162,213	\$158,423
Atlantic National Primary Schools' Cricket Programme		\$62,988	\$67,729	\$71,807
Atlantic National Primary Schools' Football Programme		\$57,389	\$54,676	\$54,862
Atlantic National Primary Schools' Track and Field Championships		\$26,014	\$3,873	\$23,077
Atlantic Coaching Excellence (ACE) Programme		\$6,813	\$10,586	\$69,386
	Sub-total	\$688,200	\$651,784	\$754,900
Education				
Point Fortin's Finest Leadership Development Programme		\$105,967	\$120,775	\$116,983
NESC Skills Training Programme		\$42,075	\$21,647	\$35,938
IMAX – Ultimate Educational Field Trip		\$68,543	\$73,529	\$43,198
Literacy and Numeracy Programme		\$9,016	\$O	\$0
	Sub-total	\$225,601	\$215,951	\$196,119
Environment/Agriculture				
UTT Agricultural Enterprise Training		\$38,424	\$47,254	\$33,012
Turtle Village Trust		\$46,278	\$86,397	\$153,846
Atlantic Environment Education Series		\$38,153	\$38,032	\$29,435
	Sub-total	\$122,855	\$171,683	\$216,293
Local economic development				
Loan for Enterprise and Network Development Agency (LEND)*		\$398,053	\$172,674	\$230,512
	Sub-total	\$398,053	\$172,674	\$230,512

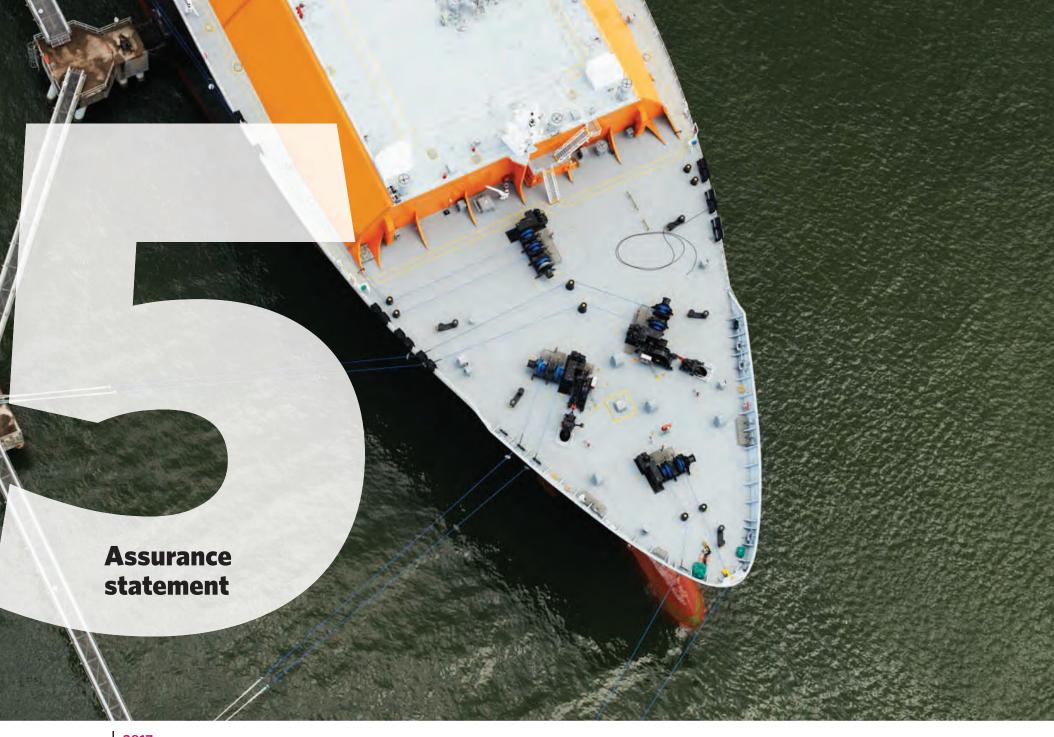
*Atlantic's annual expenditure on the LEND programme is not the same as the total value of loans issued. In 2017, the LEND agency issued loans worth US\$588k Community expenditure 2015 - 2017



Community expenditure 2015 - 2017 (continued)

Programme name		2017	2016	2015
Other				
Habitat for Humanity - Home Covenant Programme		\$73,765	\$73,529	\$76,923
Contributions				
United Way		\$77,692	\$65,932	\$54,779
Donations		\$431,087	\$318,242	\$447,400
	Sub-total	\$508,779	\$384,174	\$502,179
Sponsorships				
Sponsorships - Other		\$569,864	\$560,187	\$729,299
	Total	\$2,587,117	\$2,229,982	\$2,706,225





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Independent Assurance Statement to Atlantic LNG Company of Trinidad and Tobago (Atlantic).

CSR Solutions Limited (CSRSL) was engaged by Atlantic to conduct an independent assurance in relation to the information set out below and presented in the Atlantic Sustainability Report 2017 (the Report).

ENGAGEMENT SUMI	MARY
Scope	Atlantic's adherence, in all material respects to the three AA1000 AccountAbility Principles of Inclusiveness, Materiality and Responsiveness. Our scope of work did not include the verification of historical, financial or economic data presented in the Report.
Reporting Standard	AA1000 AccountAbility Principles Standard (2008) - Type 1
Assurance Level	Moderate Assurance
Responsibilities	The preparation of the Sustainability Report 2017, including the collection and presentation of information contained within and the maintenance of related information on the website is the responsibility of Atlantic. The provision of conclusions on the agreed scope based on the assurance activities performed is the responsibility of CSRSL.

OUR ASSURANCE ACTIVITIES

The AA 1000 Assurance Standard 2008 guided the planning and performance of our work in order to obtain sufficient evidence to provide the basis for our assurance conclusions. We conducted the following activities:

- Review of online external media reporting relating to Atlantic to identify relevant sustainability issues in the reporting period;
- Interviews with relevant corporate level staff in relation to policies and management systems aimed at managing sustainability across all areas of the business;
- Visit to the Atlantic Office located at Clifton Hill, Point Fortin; and
- Review of the information presented in the Sustainability Report 2017, relevant to the scope of our work to ensure consistency with our findings.

OUR CONCLUSIONS

Based on our assurance activities, nothing has come to our attention to indicate that Atlantic does not adhere in all material respects to the AA1000 Accountability Principles Standards (2008) of Inclusivity, Materiality and Responsiveness.

INCLUSIVITY

This principle refers to the participation of stakeholders in developing and achieving an accountable and strategic response to sustainability.

Atlantic's process appears to be inclusive of stakeholders. They engage with a wide cross section of stakeholders and have processes to receive and address feedback from both internal and external stakeholders. They are active in community engagement that includes investment in sport, education, local economic development and environment. They also engage in the capacity building of suppliers and service providers.



MATERIALITY This principle refers to the determination of the relevance and significance of an issue to the organisation and its stakeholders.

Atlantic's approach to the determination of material issues is explained in the report and includes the identification of issues through its risk management process, member companies and other stakeholder groups. Additionally, they seek feedback on prioritisation of issues from both internal and external groups.

RESPONSIVENESS This principle refers to how the organisation demonstrates it responds to its stakeholders and is accountable to them.

Atlantic appears to be responsive to stakeholders and continues to use a number of tools to receive and respond to feedback including the "Speak Out" Platform. They have demonstrated response and accountability as it relates to significant process safety events that occurred in 2017 which are disclosed in this report, together with measures taken to investigate and identify areas for improvement. Atlantic has also modified their reporting format this year in an attempt to improve the reader's experience.

KEY OBSERVATIONS AND RECOMMENDATIONS

- Atlantic's commitment to the monitoring and management of their environmental performance and impact was evident from their efforts in 2017 to develop and incorporate into strategy a GHG and Energy Management Plan to reduce emissions and increase energy efficiency.
- The investment in and growth of the LEND micro-financing programme demonstrates continued commitment to the sustainable development of the community of Point Fortin.
- There is also a clear recommitted focus on safety, which has always been a priority area for Atlantic. Actions are being taken to identify and understand areas for improvement as demonstrated through the Process Safety Culture Survey executed in 2017.

Melanie Richards, Director April 20, 2018

CSR Solutions Limited, Port of Spain, Trinidad and Tobago Email: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. CSRSL 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 2016.



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