



THE NATIONAL GAS COMPANY  
OF TRINIDAD AND TOBAGO LIMITED

# BEYOND THE PIPELINE

A Newsletter for Our Pipeline Communities



TOWARDS A  
**SUSTAINABLE  
FUTURE**

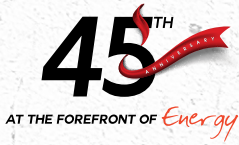
**WHAT'S INSIDE**

Why Sustainability  
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NGC's 'No Child Left  
Behind Initiative'





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*Beyond the Pipeline* is NGC's Community Newsletter, produced by the Corporate Communications Division of The National Gas Company of Trinidad and Tobago Limited (NGC)

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## Message from the Manager, Corporate Communications

### Adjusting to Remain Resilient

As the Covid-19 pandemic persisted, we continued with Covid-19-related practices, such as work from home for non-essential staff and providing technology solutions and employee training to strengthen organisational capacity, laying a solid foundation for a future of work model.

NGC had to evolve as its environment changed and it was confronted with economic, social, and environmental demands and challenges. We had to reconsider our role, revise our approaches, and implement a more sustainable growth and development model.

In this issue of *Beyond the Pipeline*, we look at our 2020 Sustainability Report as well as the difficulties associated with sports and education because of the pandemic and our contribution toward digital solutions.

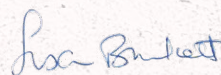
Some of the initiatives in which NGC has been engaging include the Company's focus on efforts to address climate change. We are investing in several projects and strategic partnerships to prevent, avoid, reduce, or lessen the impact of climate change. We are also re-evaluating existing corporate social responsibility (CSR) partnerships to ensure that they are consistent with the United Nations Sustainable Development Goals (SDGs). SDGs can assist the company in defining its aspirational purpose in a way that is relevant and motivating to stakeholders, allowing purpose to form the foundation for its strategy, and igniting long-term constructive change that may boost shareholder value over time.

We are strengthening our commitment to do our part to ensure not just business continuity, but, to also assist and support members of our communities and the citizenry at large, as we move forward with the 'new normal'.



LISA MARIA BURKETT  
MANAGER, CORPORATE COMMUNICATIONS, NGC

We encourage you, as we pay close attention to the Ministry of Health and other credible sources of information on Covid-19, to do your part to minimise and delay the transmission of the virus through the 3 Ws of Covid prevention: wash your hands, wear a mask and watch your distance. We hope that you and your families are safe and you do everything in your power to remain so.

A handwritten signature in blue ink that reads "Lisa Burkett".

**Lisa Maria Burkett**  
Manager, Corporate Communications, NGC



## Why Sustainability Matters to Me

### MARIO SINGH

Assistant Manager, Sustainability

*NGC's newly appointed Assistant Manager Sustainability, Mario Singh, gives his take on the importance of sustainability.*

It is truly exciting to be working at NGC during this unprecedented period of transition, in which the Company is playing a leading role in driving the sustainability agenda in the Caribbean. Sustainability is often referred to as the **'sweet spot'**, where **doing good** (for society and the environment) and **doing well** (making profits) intersect. It provides a unique pathway for business and society to collaborate and tackle some of the most complex social and environmental issues that face us all.

### Clear and Present Danger

Climate change is one issue that threatens our future well-being in Trinidad and Tobago. Whether it is rising average temperatures, extreme weather events such as storms and droughts, or rising sea levels that threaten coastal communities and livelihoods, it represents clear and present danger to us all.

In response to this looming threat, the government of Trinidad and Tobago has pledged to reduce the country's carbon emissions by 15% by 2030 in the Transportation, Industrial and Power sectors, as part of its Nationally Determined Contributions (NDCs) to the Climate Paris Agreement. However, with less than a decade to 2030, the country has a long way to go in achieving this aim.

Adopting an 'all hands-on deck' approach to solve this issue is key towards reducing our greenhouse gas (GHG) emissions. Not only will Trinidad and Tobago benefit, but our actions could help keep global temperature from increasing by more than 1.5 degrees Celsius by 2050.



MARIO SINGH

This, the scientists say, can protect us from a climate catastrophe.

### Playing a Leading Role in the Sustainability Agenda

NGC and its subsidiaries have recognised the urgency of climate change and the need for energy transition. It has accepted the challenge with the adoption of a new Green Agenda strategy.

We have decided to 'walk the talk' and are aggressively pursuing several activities such as:



Using cutting-edge satellite technology to detect and cut methane emissions



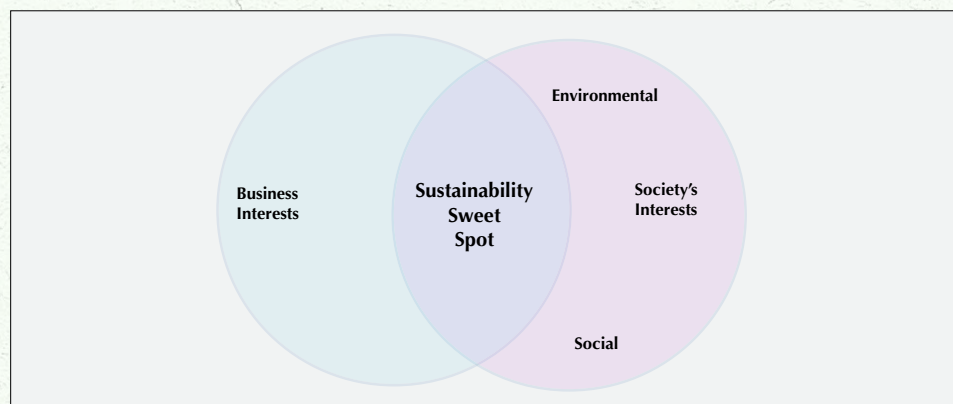
Investing in renewables



Partnering to research alternative fuels such as hydrogen



Promoting natural gas as a transition fuel in the region to help reduce dependency on dirtier fossil fuels



**Source:** <https://www.reutersevents.com/sustainability/business-strategy/essay-key-sustainability-human-resources>

We are also partnering with other state entities, oil and gas majors and other non-governmental groups to bring big changes to our country, the region and the world. Sustainability, therefore, is a 'golden' opportunity for us all to forge

new and better ways of balancing our self-interests with that of the welfare of society and the environment.

In this way, we can each find our sustainability 'sweet-spot'.



## Sustainable Development Goals and NGC

*"As a company seeking to go global, NGC has to align its sustainable priorities with those identified by the government of the country in accordance with the Paris Agreement. The Paris Agreement is a legally binding international treaty on climate change. It was adopted by 196 parties at COP 21 in Paris, on December 12, 2015. Implementation of the Paris Agreement is essential for the achievement of the Sustainable Development Goals, and provides a roadmap for climate actions. To ensure that Trinidad and Tobago's deliverables have a better chance of being achieved, NGC has embarked on a series of initiatives and work processes to embed the SDG's in every facet of its business."*

— Lisa Burkett, Manager Corporate Communications, NGC.

### What are Sustainable Development Goals (SDGs)?

The Sustainable Development Goals (SDGs) are 17 thematic areas that outline a roadmap for long-term development through 2030. They were adopted by the United Nations (UN) Member States, including Trinidad and Tobago. Currently, the United Nations has 193 member countries.

The 17 SDGs are an urgent call to action for global partnership between developed and developing countries. The SDGs were established based on the understanding that eradicating poverty and other forms of dispossession must be done in tandem with plans to promote health and education, decrease inequality, and spur economic growth, all while combating climate change and protecting seas and forests.

### NGC's Sustainable Development Goals (SDGs)



### How NGC is incorporating SDGs?

NGC's sustainability priorities are guided by its strategic pillars, which serve as the foundation for everything we do as an organisation. Our efforts and accomplishments in each of these pillars are in line with National Development Themes and SDGs.

Some of our initiatives include:

- **Delivering Good Governance and Excellence** – Aligned with SDG 16
- **Putting People First: Nurturing Our Greatest Asset** – Aligned with SDGs 4, 5 & 8
- **Improving Productivity through Quality Infrastructure and Transportation** – Aligned with SDG 12

- **Building Globally Competitive Businesses** – Aligned with SDG 9
- **Placing the Environment at the Centre of Social and Economic Development** – Aligned with SDGs 4, 7 & 11
- **The Green Agenda** – Aligned with SDGs 13 & 15

Incorporating SDGs into business strategy may help shape healthy, livable communities, while also increasing profits, increasing employment, and lowering emissions.

As a result, NGC realises that each achievement made as an organisation moves it closer to its vision of a better Trinidad and Tobago and a better world for future generations.





## NGC Publishes its 2020 Sustainability Report

In 2021, NGC released its fourth Sustainability Report titled **'Embracing Opportunity, Creating Value'**. This Report is a record of the efforts and achievements of NGC's sustainability priorities.

The report discusses NGC's performance in:

- Governance
- Human Capital — Health, Safety, Security
- The Environment
- Asset Integrity
- Corporate Social Responsibility
- Local and International Growth
- NGC's Green Agenda

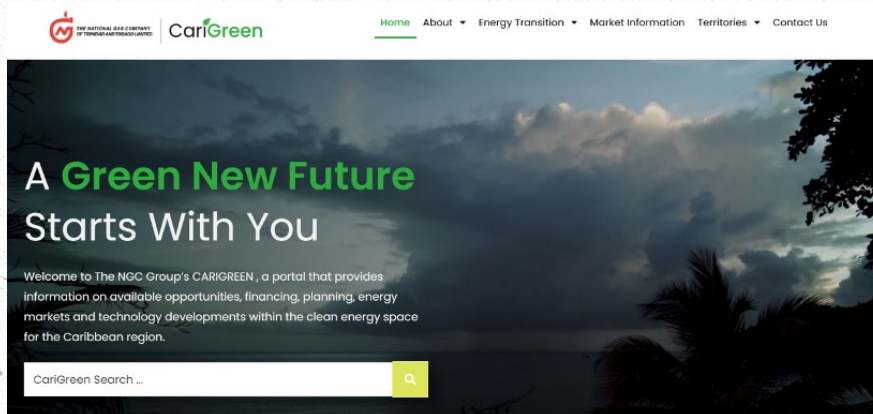
NGC is not daunted by the challenges we currently face, as it provides an opportunity for creativity and innovation. We have recognised the need for transformative thinking and decisive action to reframe our business objectives and growth strategies to remain agile in this period of energy transition. NGC is embracing the new energy future through our Green Agenda thrust, which will be a key driver for us on the road to sustainability.

The 2020 Sustainability Report is now available:

<https://ngc.co.tt/wp-content/uploads/2021/06/NGC-Sustainability-Report-2020.pdf>



## NGC and the Green Agenda



Visit the CariGreen website: <https://carigreen.ngc.co.tt>



Under the Green Agenda, NGC and its subsidiaries are investing in and developing programmes and initiatives to support Trinidad and Tobago's commitment to climate change and energy transition.

Green Agenda initiatives include programmes and projects around energy efficiency, renewable energy, reducing methane and greenhouse gas emissions, and educating people about the use of alternative fuels and renewable energy.

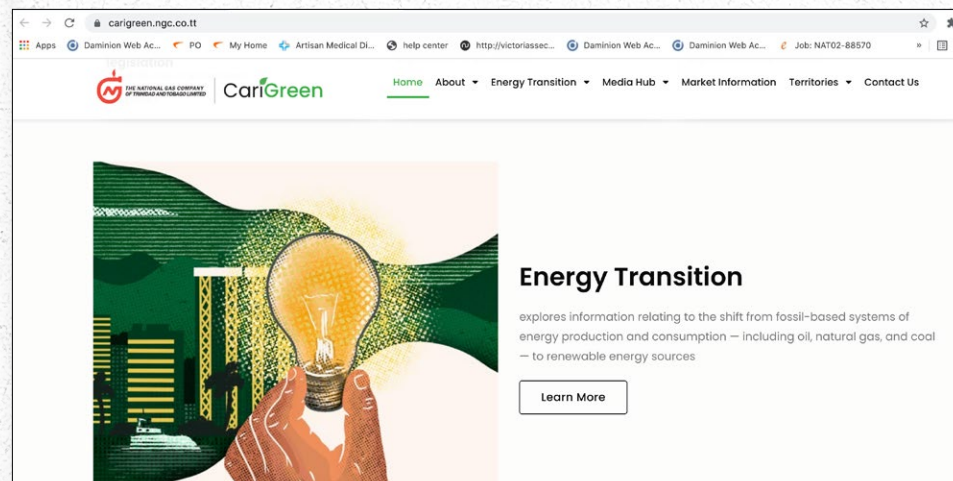
For your information, we have compiled some of the projects that have been undertaken:

### CariGreen website

The NGC Group launched the CariGreen website in June 2021. CariGreen is a hub and online clean energy resource for the Caribbean that provides information on available opportunities, planning, energy markets and technological developments.

Articles on Energy Efficiency, Renewable Energy, Carbon Capture, Utilisation, and Storage (CCUS), and the Fuel Switch, to mention a few, can be found on the site.

The most important outcome will be a more informed public, stakeholders, and investors, which will be a huge step forward in fulfilling the Green Agenda.





## NGC and the Green Agenda (continued)

### Partnerships — NGC Joins Global Oil and Gas Methane Partnership

NGC has strengthened its campaign to reduce carbon impact by joining the global Oil and Gas Methane Partnership (OGMP). OGMP member companies voluntarily commit to reporting and reducing methane emissions in the oil and gas sector through a global standard for methane emissions reporting, measurement, and control.



To learn more about the Oil and Gas Methane Partnership visit: <http://ogmpartnership.com/>

NGC's membership in the OGMP was finalised in May 2021 with the signing of a Memorandum of Understanding (MOU) with the United Nations Environment Programme (UNEP). This MOU will be effective through the end of 2026 and provides a framework for our participation in the OGMP and for

collaboration with other entities to accurately report on emissions levels and reduce methane emissions.

To learn more about NGC's methane initiatives and other Green Agenda projects, go to: <https://ngc.co.tt/wp-content/uploads/2021/04/GASCO-News-March-2021-Vol31-No1.pdf>

### Research — The NGC Group signs MOU with UTT to Propel T&T's Climate Change Agenda

Members of The NGC Group and the University of Trinidad and Tobago (UTT) signed an MOU to commence work on a Climate Change Mitigation project. Four main areas are covered: renewable energy; energy efficiency; greenhouse gas (GHG) emissions; and climate change research, with emphasis on approaches for GHG reduction, specifically for the industrial, power generation and transportation sectors.

This provides the opportunity for the members of The NGC Group to expand its Green Agenda by validating the GHG emissions inventory for its core product,



natural gas. UTT's development of a country-specific emissions factor will improve both the reporting accuracy of The NGC Group and GHG emissions reporting for Trinidad and Tobago as a whole.

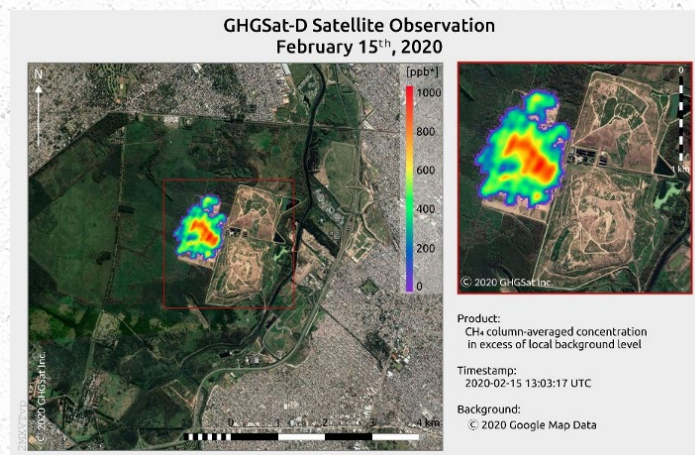
Representatives of The NGC Group and the University of Trinidad and Tobago (UTT) after the signing of the MOU.

### Technology — NGC signs MOU with Orbital Eye B.V.

In January 2021, NGC signed an MOU with Orbital Eye B.V., a technology solutions provider that monitors oil and gas infrastructure. This collaboration will allow NGC access to satellite data which can then be used to measure greenhouse gas (GHG) and methane (CH<sub>4</sub>) emissions.

The MOU spans three years and activates the following:

- Research and development of solutions to measure and monitor GHG and CH<sub>4</sub> emissions, using satellite and other data
- The promotion of further cooperation between the signatories in GHG and CH<sub>4</sub> emissions measurement research
- Exchange of information on GHG and CH<sub>4</sub> emissions measurement technology, research, and strategies.





## NGC and the Green Agenda (continued)

### Hydrogen — NGC and National Energy Corporation of Trinidad and Tobago Limited sign MOU for Carbon-Neutral Hydrogen

NGC and its subsidiary National Energy signed an MOU with Kenesjay Green Limited (KGL) and NewGen Energy Limited, to work collaboratively on the creation of a sustainable hydrogen economy for the energy sector of Trinidad and Tobago. The partnership includes the exploration of the feasibility of joint development of viable hydrogen projects and related initiatives in Trinidad and Tobago, the wider Caribbean and internationally.

In service of this objective, NGC, National Energy and KGL will explore the development of viable, low-carbon, energy-efficient and green (EE&G), hydrogen-related industrial energy projects and their associated renewable, energy-efficient feedstock supplies.

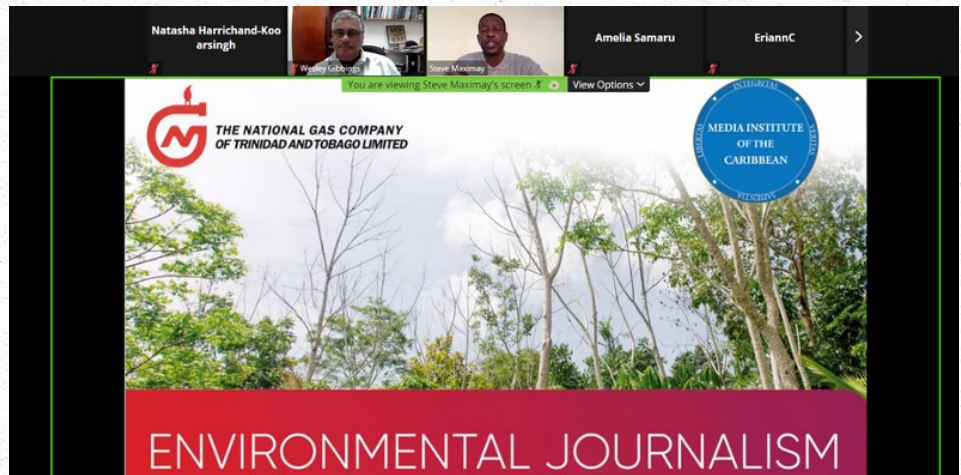


(Left to Right) Mr. Anthony Holder, Director NewGen Energy Limited; Dr. Vernon Paltoo, President, National Energy; Mr. Mark Loquan, President, NGC; Mr. Philip Julien, Chairman, Kenesjay Green Limited

### Education — NGC sponsors Environmental Journalism Webinar

Environmental journalism is becoming increasingly important for reporting on and improving the public's understanding of climate change, freshwater scarcity, and ocean decline. In early 2021, NGC collaborated with the Media Institute of the Caribbean (MIC), hosting a three-day Environmental Journalism training webinar for journalists in Trinidad and Tobago and the Caribbean. The objectives for the training included:

- Access to the most up-to-date, accurate, and respected information on major problems
- Addressing critical Caribbean climate and environmental concerns, such as: Climate Change and Climate Justice, Renewable Energy, Food Security and Pollution
- Explaining the fundamentals of environmental reporting to journalists, including how to employ discriminating and uncorrupted expert sources, how to use human narratives and storytelling to explain real-world impacts, and how to use standard environmental reporting tools



Some goals of the training were that journalists:

- Understand the profession's specialisation and its position in a well-informed public, which includes both watchdog and storytelling functions
- Assess environmental issues objectively and fairly
- Analyse and distinguish between a

variety of sources, including scientific, policy, activist, and business sources and their press releases, as well as the capacity to distinguish manipulation and greenwashing from scientifically valid solutions

- Demonstrate the ability to communicate in-depth environmental issues to lay audiences in compelling ways



## NGC and the Green Agenda (continued)

### Energy App — NGC EnergySmarTT



NGC EnergySmarTT App was born out of the need to educate Trinidad and Tobago about energy use and energy efficiency.

The app currently has five main functions:

#### MY CONSUMPTION:

An energy calculator for understanding how using a particular device could affect your pocket and carbon footprint

#### LOCATE ENERGY SAVING PRODUCTS:

This feature enables energy-efficiency product suppliers and consumers who are interested in energy-efficient products to connect

#### SWITCH AND SAVE:

A cost benefit analysis to illustrate the overall savings of purchasing energy-efficient products

#### ENERGY SAVING TIPS:

Simple steps households can make to become more energy efficient

#### USEFUL RESOURCES:

Provides access to links that give greater context on the developments in energy efficiency and renewable energy around the world

This year, we propose to expand the app's functionality to encourage even more improvements in energy use habits. We will update you as these are put in train.

The NGC EnergySmarTT app can be accessed on:



**Download the app, encourage others to and let's be Energy SmarTT!**



## NGC's 'No Child Left Behind' Initiative — Distribution of Laptops & Tablets to Schools

The closing of schools due to the Covid-19 pandemic highlighted the digital divide, with some students having access to notebooks, tablets and laptops, while others had nothing. The Ministry of Education's initiative — 'No Child Left Behind' aimed to facilitate continued education for all, via remote learning.

NGC and its member companies contributed over TT\$2M towards the purchase of devices – laptops and tablets, in line with **SDG 4** (Quality Education) and **SDG 11** (Sustainable Cities and Communities). Most of the devices

were distributed in February 2021. NGC's Group CSR teams were able to distribute devices in Caroni, Mayaro/Guayaguayare and Tobago.

Head CSR Myles Lewis said: "This is an excellent initiative for NGC to contribute towards... Education and empowerment are two major pillars of our Corporate Social Responsibility portfolio. It is important for us to assist our young people to connect with the tools and opportunities they need to maximise their potential".



NGC's CSR Team personally delivered the devices to grateful primary and secondary school principals throughout Trinidad and Tobago.



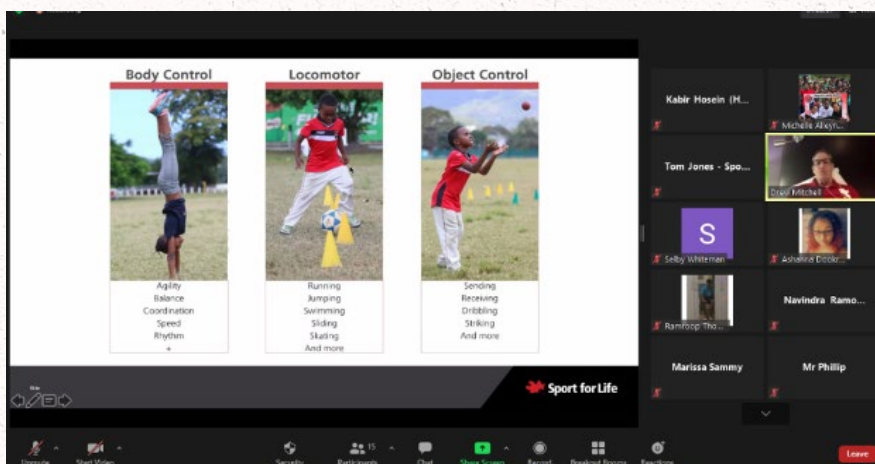
## Digitisation of NGC's Right on Track & Kids Athletics Programmes



Sport has been a part of our CSR investment portfolio for the past 22 years. We are enthusiastic about its positive impact on our youth, as sport is known for improving the physical, social, and mental well-being of children during their primary school years.

The Ministry of Education granted NGC approval to incorporate these development programmes into the school curriculum due to NGC's history of support for athletics and our holistic athletic and sporting programmes—NGC's Right on Track Programme (ROT) and Kids Athletics Programme (KAP). This made it possible to train and develop teachers and coaches, as well as create monitoring and evaluation systems.

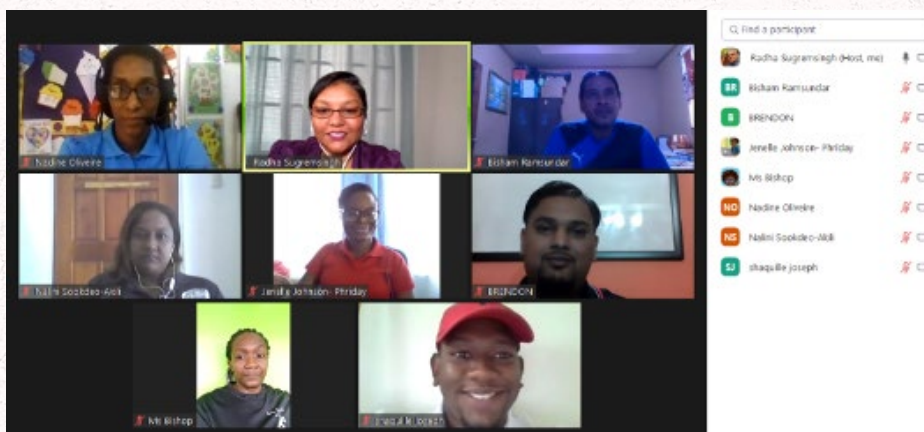
Currently, many of us, including those in the educational system, continue to work in a virtual environment as a result of Covid-19. NGC set out on a mission to provide training and capacity building to over 80 instructors and coaches through virtual coaching sessions and effective use of internet platforms. This intervention aims to mitigate the impact of training programme interruptions by facilitating the development of a portfolio



of online sport coaching best practices in Trinidad and Tobago.

Online Facilitation and Online Platforms; Introduction to Virtual Coaching; and Getting Started with Physical Literacy

were among the training sessions facilitated by a collaboration between the Youth Training and Employment Partnership Programme (YTEPP) and Sport for Life, a non-governmental organisation based in Canada. These courses aimed to introduce coaches and teachers who were unfamiliar with online platforms to the fundamentals of online teaching and virtual coaching.



The digitisation of NGC's Right on Track and Kids Athletics Programmes is aligned with **SDG 4** (Quality Education) and **SDG 11** (Sustainable Cities and Communities). The online coaching training sessions commenced in March and concluded in April 2021. NGC's plans for the future are to move toward digitisation of its ROT and KAP as we continue to operate in the 'new normal'.





## Photo of the Month

From hills, to valleys and seas.  
Photo by Shaun Rambaran



Energy  
Brain

**Buster**

ANSWERS:

1) FALSE 2) TRUE 3) FALSE 4) TRUE 5) TRUE  
6) TRUE 7) FALSE 8) TRUE 9) TRUE 10) TRUE

1. Mario Singh is the Assistant Manager Development at NGC? True/False
2. There are 17 Sustainable Development Goals (SDGs). True/False
3. In 2021, NGC released its third annual Sustainability Report. True/False
4. The public engagement initiative called 'No Child Left Behind' aims to facilitate the continuity of education for all through remote learning. True/False
5. The aim of digitisation of NGC's Right on Track & Kids Athletics Programmes is to reduce the interruption to training programmes by facilitating the development of online coaching best practices in Trinidad and Tobago. True/False
6. NGC's CariGreen website is a hub and online resource for the Caribbean region that provides information on available opportunities, planning, energy markets, and technological developments in the clean energy space. True/False
7. NGC EnergySmarTT App was created to be used by students only. True/False
8. One of the features on the EnergySmart App is to assist in locating energy-saving products. True/False
9. Orbital Eye B.V. is a technology solutions provider that monitors oil and gas infrastructure. True/False
10. Environmental journalism is becoming increasingly important in reporting on and improving public understanding of issues such as climate change, freshwater scarcity, and the decline of our oceans. True/False