

# The Peer Report

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### Moonlighting in Suriname 1

The National Energy Explorer vessel has completed another important assignment in Suriname, in addition to its primary job of supporting the seismic program being led by BGP Offshore. The Explorer has recently retrieved approximately one ton of Ghost Fishing Gear from the seas of Suriname.

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Ghost Fishing Gear consists of plastic, fishing nets, hooks, ropes and other unwanted material that are discarded into the ocean. These objects trap large marine wildlife, causing them slow, painful deaths. In addition to causing loss of marine life, Ghost Fishing Gear also threatens the safe navigation of vessels in the sea.

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Image of Ghost Fishing Gear in the Ocean – taken from The European Commission's website

Large storage bins were housed onboard the Explorer to accommodate storage of the collected material which was eventually handed-over to a waste management company to be recycled into useful products.

National Energy is proud to contribute to such a meaningful project in collaboration with BGP Offshore.

## Solar Powered Tower to Guide Vessel Navigation at Point Lisas



**Aerial View Showing Solar PV System Installed by National Energy on the Rear Leading Light Tower**

On January 4<sup>th</sup>, National Energy completed the upgrade of its Rear Leading Light Tower at Point Lisas. The recent upgrade also included the first-time installation of a solar pv system that powers the Tower located on the Arcelor Mittal compound.

Vessel captains depend on the light from the 130 feet tall Tower to help navigate their vessels when entering the Point Lisas Harbour.

In 2019, a visual and ultrasonic inspection of the Tower identified several defects. As such, the objective of the upgrade was to repair those defects and reinstate the asset's structural integrity. The project was completed within budget and its contracted timeframe of four weeks.



**Photo of 130F Rear Leading Light Tower located on Arcelor Mittal's compound**

A preventative maintenance system, inclusive of regular inspections to identify early signs of deterioration and defects, has now been implemented to maintain the Tower's integrity.

The Tower was constructed in 2010.



## Investment Prospectus Developed for a Caribbean Solar Facility

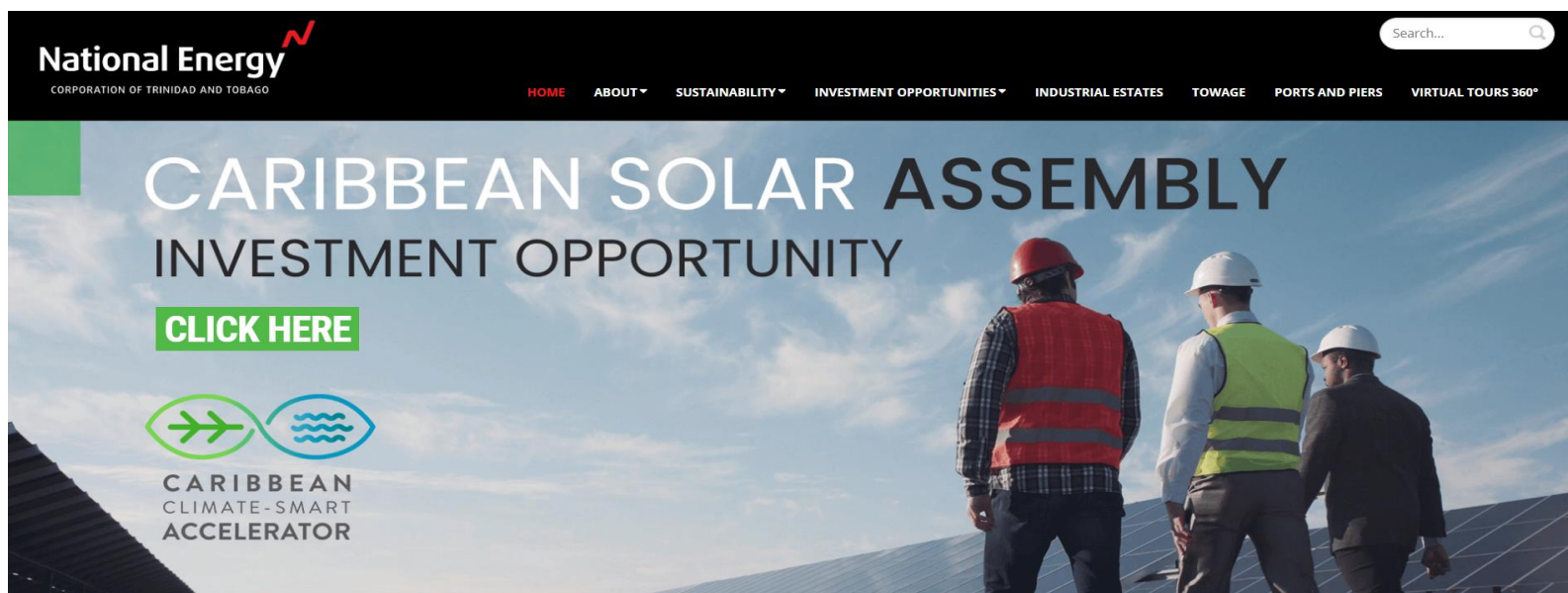
In January, National Energy issued a call for potential investors to establish a Caribbean Solar Facility in Trinidad and Tobago. After months of work by the SED division, Caribbean Climate-Smart Accelerator (CCSA) and InvesTT, a detailed investment prospectus on the project was developed and is being promoted to potential investors, locally, regionally and internationally.

The investment concept is founded on the fact that the Caribbean needs to invest approximately USD8 Billion in solar to meet its energy transition ambitions; if established, this Facility will satisfy the consolidated demand for renewable energy from at least 15 Caribbean territories.

The investment prospectus includes information on, but not limited to:

- ☐ Advantages of establishing the Facility in Trinidad and Tobago
- ☐ Country projections for investment in solar across the Caribbean
- ☐ A Caribbean Fact Sheet
- ☐ Potential opportunities

Via the ttEngage platform, nationalenergy.tt, and the Company's social media platforms, the investment opportunity is being advertised in 15 Caribbean countries.



Investment Opportunity Being Promoted on National Energy's website

Although the size of the facility and the investment required are negotiable, it is expected that a large-scale assembly facility can be developed within 12 to 18 months.

## Improving Vessel Safety Beyond Compliance

National Energy has received an interim Document of Compliance (DOC) from Lloyd's Register, an international organization that provides quality assurances and certification for ships. The DOC is a welcoming development as it brings National Energy's vessels one step closer to becoming ISM Code-certified.

ISM Code is The International Management Code for the Safe Operation of Ships and for Pollution Prevention. The Code was designed to encourage safe management and operations of ships and to prevent pollution by vessels over 500 gross tonnage. Although National Energy's vessels are below 500 gross tonnage and are not required by legislation to be ISM-certified, the Company is voluntarily taking steps towards certification.

In 2021, an external auditor was engaged to assess the Company's readiness for an ISM audit. Using the recommendations received, the Operating Assets team commenced an Interim Audit with Lloyds Register for the issuance of the DOC with the ISM Code. The team is currently:

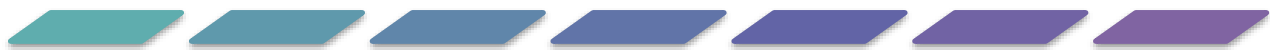
- closing-out of all non-conformance issues raised
- completing an internal DOC Audit (to be executed within six months of the Interim DOC)
- finalising interim and internal audits of individual vessels for Safety Management Certification.

### Benefits to Being ISM Code Certified

Clients are more inclined to utilise ISM-certified vessels, as this is viewed as the benchmark to manage risk when vessels are chartered



Helps to achieve greater operational efficiency



## FEATURE – All Hands-On Deck for DNV Audit

For six consecutive years, National Energy has consistently improved on its Asset Integrity Management (AIM) scoring.

An internal review of our 2021 Asset Integrity Performance has been completed and the results show **continuous improvement** from 2016 to 2021, with upward trends in the System and Equipment Categories.

The National Average for System and Equipment Asset Management is 2.02 and 1.93, respectively. National Energy's score in the System category went from 1.57 in 2016 to 2.16 in 2021, thus surpassing the National Average. In the Equipment category, the Company improved its 0.84 score in 2016 to 1.93 in 2021, becoming aligned with the National Average.

4 = Optimizing	The activity or practice is effective and efficient. Visible continuous improvement culture/efforts are in place.
3 = Managing	The activity or practice is documented and effectively implemented.
2 = Implementing	The activity or practice is documented with implementation ongoing, but not fully mature.
1 = Developing	The activity or practice exists, although it may be incomplete and undocumented.
0 = Learning	The activity or practice is absent or ad hoc and little awareness of the expectation is in place.

A snapshot of DNV-GL Audit Scoring Criteria

Presently, National Energy, in addition to other members of the NGC Group, is preparing for an independent external AIM Audit by DNV-GL, an expert in Assurance and Risk Management.

The main objective of the exercise is to ensure that the AIM systems of companies within the Group are aligned to industry standards.

We look forward to the support of all employees as we ensure the successful completion of the audit.

## Update on Greenfield Buffer Zone at UIE



**Aerial View of Partial Buffer Zone Planting Site**

The planting of approximately 300 Jamoon trees was completed in January, commencing the second phase of the Greenfield Buffer Zone Project at the Union Industrial Estate (UIE). The greening of UIE's bufferzone is a requirement within the Estate's Certificate of Environmental Clearance (CEC) and will provide residents with a natural buffer for light, emissions, dust and noise coming from the Estate.

An additional 300 trees will be planted during the 2022 Wet Season and will be maintained by qualified contractors from within National Energy's fenceline community of La Brea.



**Image of Bamboo Plants captured in 2020**

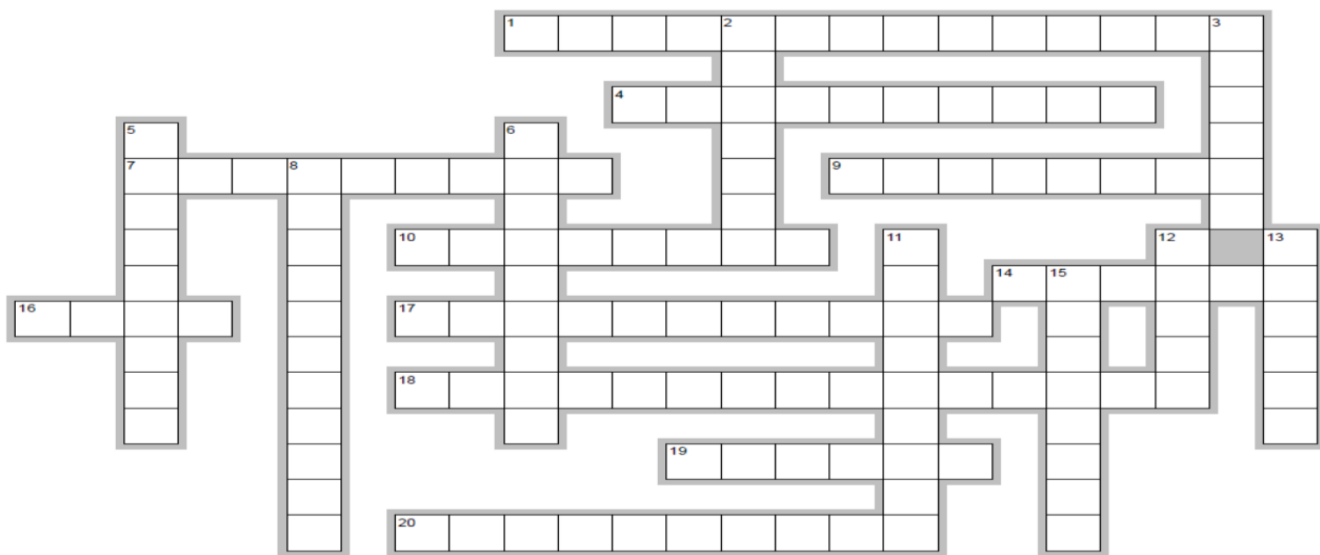


# The Peer Report Crossword Challenge

*Let's Test Your Knowledge of National Energy's Work in the areas of Renewable Energy, Energy Efficiency and Energy Sustainability?*

Welcome to **The Peer Report Crossword Challenge** – an employee initiative lead by Corporate Communications in collaboration with the Human Resource and Administration department.

From January to December 2022, each newsletter will feature a crossword puzzle based on National Energy's advertorials that are published monthly in the Business Guardian newspaper. Each month there will be a new challenge and a chance for you to win selected vouchers. **Rules can be found on page 8.**



## ACROSS

1. Hydrogen would provide a possible pathway towards clean mobility in this sector
4. Energy from within the earth
7. A Caribbean hydrogen cluster can contribute to a stronger regional energy
9. National Energy online investor platform
10. Very common element
14. Eg. Light, Heat, Chemical, Electrical
16. Hydrogen can be produced using this fossil fuel
17. Opposite of 'Synthetic Solid'
18. '\_\_\_\_\_ Pathways - Green Hydrogen' (Advertorial Title)
19. Can be a footprint or cycle
20. \_\_\_\_\_ of Understanding

## DOWN

2. An opportunity for investment along the hydrogen value chain
3. Subsidiary of Kenesjay Green Limited
5. Cannot be depleted with use
6. We can produce hydrogen in our petrochemical sector to be used as this
8. Can be maintained over time
11. Autobots do this
12. This energy isn't red or blue or yellow
13. A mixed breed
15. Officially for country



# Rules for The 2022 Peer Report Crossword Challenge

## Crossword Rules/Instructions

1. **All** employees of National Energy, *except for members of Corporate Communications department*, are eligible for participation in the Crossword Challenge.
2. Each crossword is based on one of National Energy's published Guardian Media Limited (GML) advertorials. Use the crossword hints to discover which advertorial applies. All published advertorials can be accessed via National Energy's website (under Media/Ads) or National Energy's Facebook page.
3. This crossword page is fillable.
4. Employees have five working days post publication of each month's newsletter to submit their completed crossword puzzle to [k.bharat@nationalenergy.tt](mailto:k.bharat@nationalenergy.tt)
6. Each month, three winners - **one from each division** - will be randomly selected from the pool of successful submissions and will individually receive a voucher valued at TTD500.00.
7. An employee can win a maximum of two times for the duration of the competition.
8. Winners will be announced via National Energy Communications email and will be contacted by a member of the Corporate Communications team to arrange prize collection.