

NGC LAUNCHES NEW ENERGY MAPS



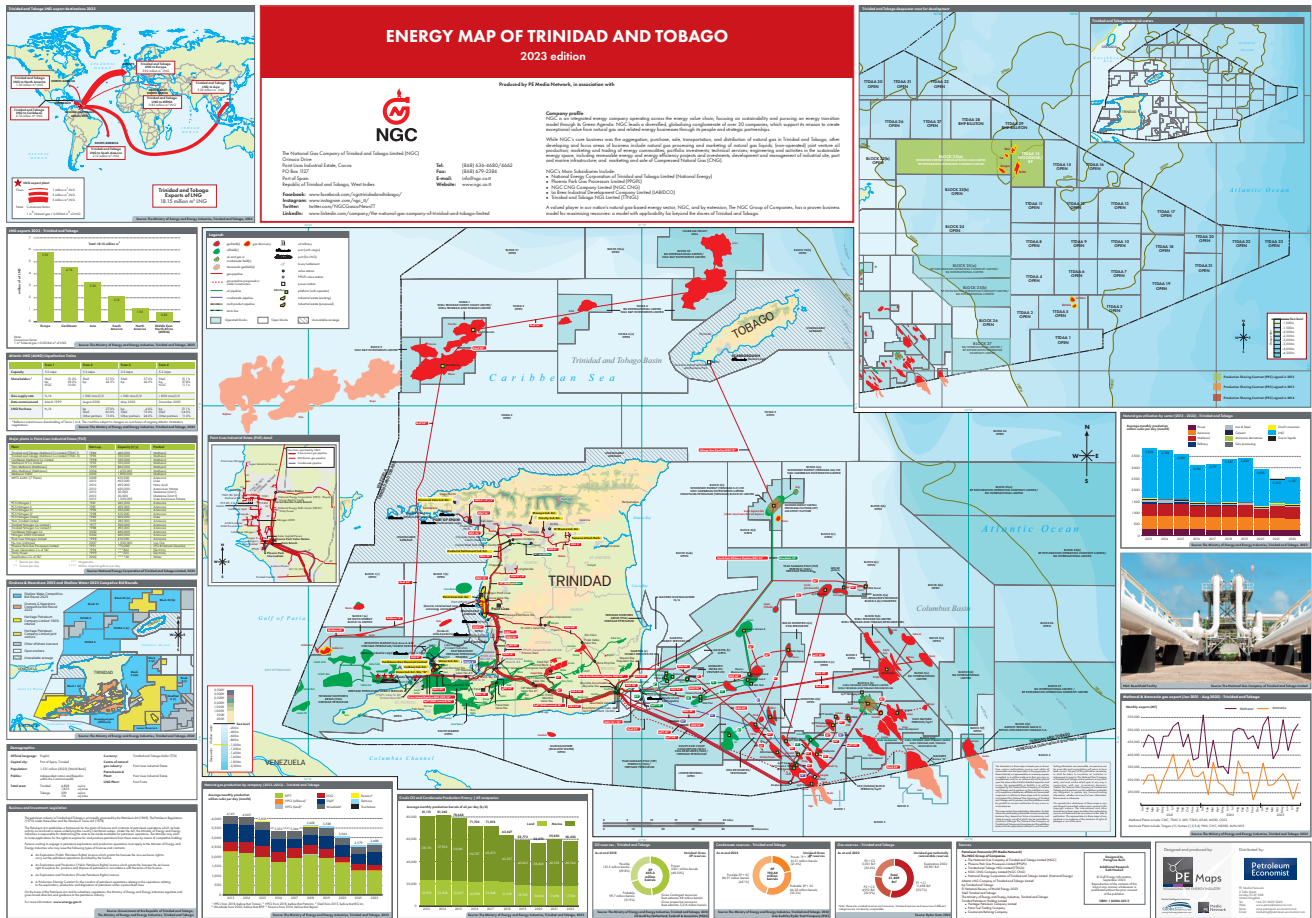
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KEY TAKEAWAYS

NGC has supported the production of 'Energy Maps' since 2005.

In 2024, the company launched an updated Trinidad and Tobago Energy Map, as well as an inaugural Green Energy map, profiling the country's clean energy resources and projects.



For most of the past century, energy has been the lifeblood of Trinidad and Tobago's economy — starting with oil in the early 1900s, then transitioning to natural gas in the latter decades. Not only has this sector directly enriched the public purse through taxes and export revenues, but energy is a starting point or primary ingredient for many other industries that generate wealth and employment in the country.

Despite this ubiquity and importance, there are still lamentable gaps in public knowledge and understanding of the energy value chain, due in part to the complexity of the sector, and the fact that much of its infrastructure is buried underground or installed offshore.

To help close these gaps, NGC has supported the production of 'energy maps' since 2005. These maps are comprehensive cartographical pictures of Trinidad and Tobago's domestic and regional energy

sectors. Produced in partnership with the UK-based, energy multimedia giant Petroleum Economist - with inputs from the Ministry of Energy and Energy Industries, as well as other energy companies - these maps have become a seminal resource for energy stakeholders.

Through these maps, state and corporate entities, local and foreign investors, academics, and members of the general public, have gained a clearer understanding of how energy resources are distributed and utilised locally, and across the region.



UPDATE OF THE TRINIDAD AND TOBAGO ENERGY MAP

Over the years, NGC has collaborated with other sponsors and Petroleum Economist to produce two versions of these maps – one profiling Trinidad and Tobago in specific detail, the other focusing on the wider Caribbean. In 2023, the company decided to update the Trinidad and Tobago Energy Map, which was last revised in 2017. This map gives a comprehensive overview of the country's energy infrastructure, including oil and gas fields, pipelines, refineries, petrochemical plants, LNG facilities and ownership of onshore and offshore license blocks.

The 2023 edition – launched in April 2024 – also includes information on Trinidad and Tobago's:

- **LNG exports based on 2022 data**
- **Deepwater areas for development**
- **Business and investment legislation**
- **Crude oil and condensate production history**
- **Gas production history**
- **Oil and gas reserves**
- **Natural gas production and utilisation, and**
- **Methanol and ammonia gas usage trends.**

INTRODUCTION OF THE FIRST GREEN ENERGY MAP

With climate action imperatives compelling a shift in the energy landscape, the world is now transitioning towards low-carbon sources of energy. While renewables are a core focus of that thrust, natural gas will continue to be an important energy source, as the cleanest burning fossil fuel. This duality is something that NGC has noted in its strategic planning. As an established gas player, the company intends to deepen its presence and impact in current markets, while simultaneously expanding its business focus to encompass clean energy technologies.

ON THE GREEN AGENDA

Given the changes in the industry and its own new directions of growth, NGC decided that it was no longer enough to solely profile the country's hydrocarbon resources and projects. As such, in 2023, NGC undertook the production of its first-ever Green Energy Map, in partnership with local environmental consulting firm, Coastal Dynamics Limited.

The inaugural map was launched alongside the Trinidad and Tobago Energy Map in April 2024, and gives insights into:



- Local solar and wind energy potential



- Renewable energy projects being spearheaded by The NGC Group as well as other local entities



- The location of CNG stations, with statistics on the carbon impact of CNG deployment



- LNG production data



- Regional clean energy projects and targets, and



- The location of NGC's reforestation programme sites, which serve as carbon offsets in support of the energy transition.

SIGNIFICANCE OF THE ENERGY MAPS

The energy maps produced and published by NGC are important for several reasons:

- Trinidad and Tobago's energy infrastructure is complex, expansive and largely invisible to the average citizen. Seeing the scale and scope of the network on paper can help foster a greater appreciation for the importance of the sector to the national economy, and an understanding of why so much diplomacy, research, investment, planning and development centre on energy.
- For the energy sector to grow, capital must be injected – whether in exploration and production of hydrocarbons, or clean energy project development. Both domestic and international stakeholders will require information about the current landscape and players, resource potential and available opportunities before they can make any investment decision. The maps are valuable primers in this regard.
- In Trinidad and Tobago, nearshore gas reserves are depleting, and producers must venture into deeper water to

secure new supply sources. This impacts the gas market, as production becomes more expensive, with knock-on effects along the gas value chain. The Trinidad and Tobago Energy Map's illustration of the country's reserves makes it easier to visualise the scale of infrastructure and logistical effort that will be required to bring gas onshore from increasingly distant fields. This helps explain the emerging complexities and changing economics of the gas business.

- NGC's inclusion of gas infrastructure data on the Green Energy Map is a visual cue that gas must work alongside green in the energy transition. Experts agree that gas has an anchoring role to play in the energy future, as a low carbon fuel that is already widely available and can be easily integrated into existing energy systems.
- The energy maps serve as historical records, enabling the country to trace the evolution of its energy industry across the versions published over the years. In this context, the NGC Green Energy Map is particularly important, as it establishes a point of departure from which to track the development of the country's clean energy sector.

Given the tremendous value of these publications to all energy stakeholders, NGC has made the maps freely available for download from its website. To access both the Trinidad and Tobago Energy Map and the Green Energy Map, visit <https://ngc.co.tt/media/publications/#energy-maps>. ■