

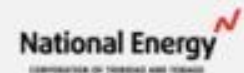


THE NATIONAL GAS COMPANY
OF TRINIDAD AND TOBAGO LIMITED



Spotlight on Budget

10th October 2019



MEMBERS OF THE NGC GROUP OF COMPANIES

DISCLAIMER

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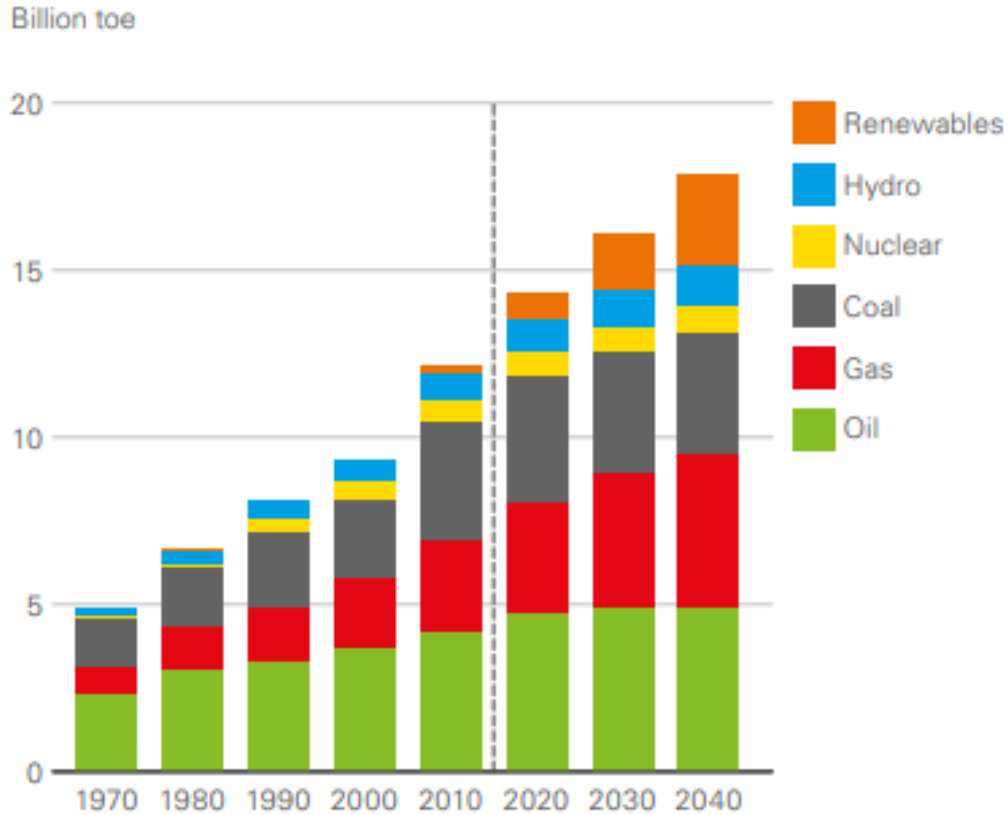
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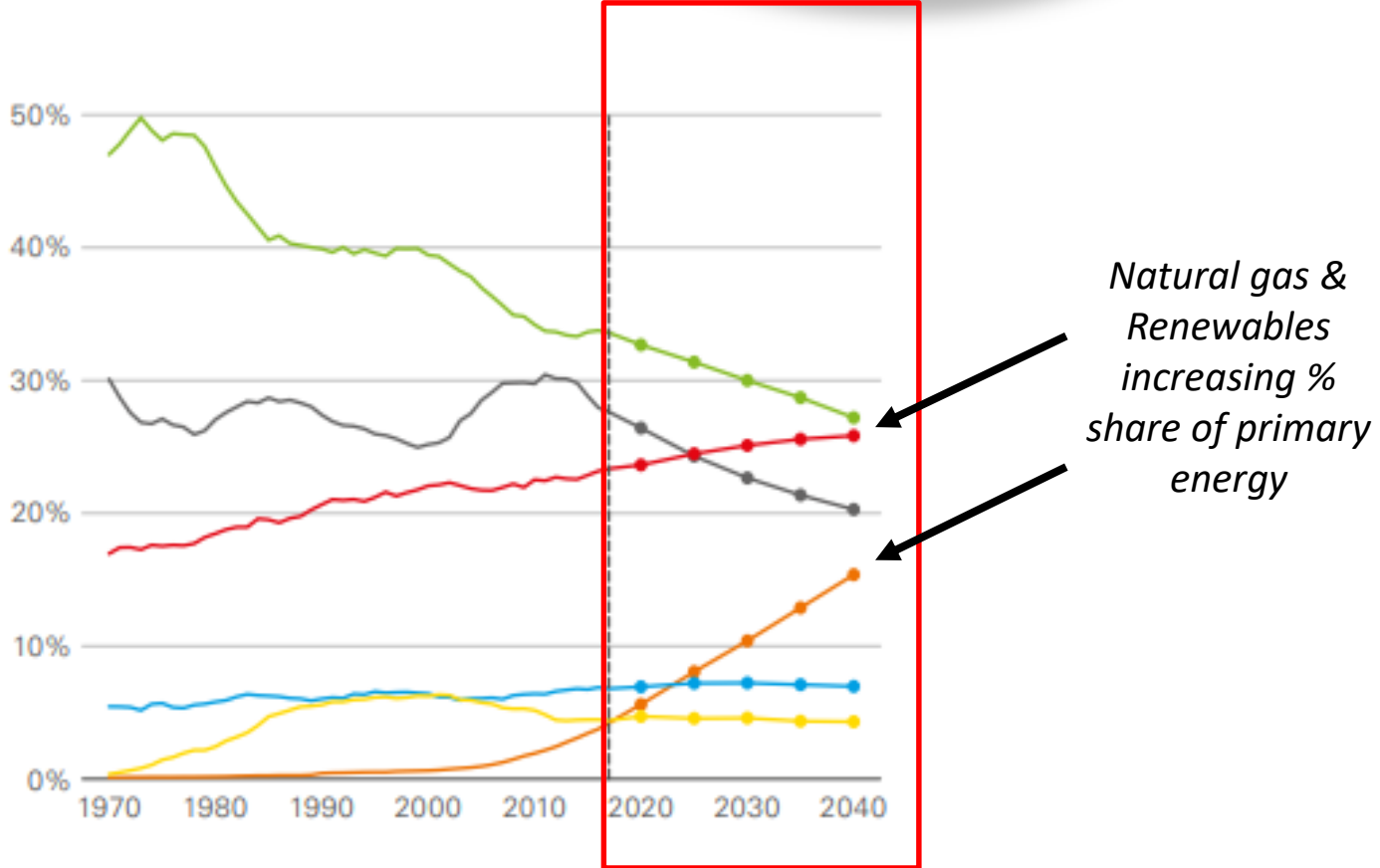
Global Energy Outlook

- Renewable energy is the fastest growing source of energy
- Natural gas grows much faster than either oil or coal

Primary energy consumption by fuel



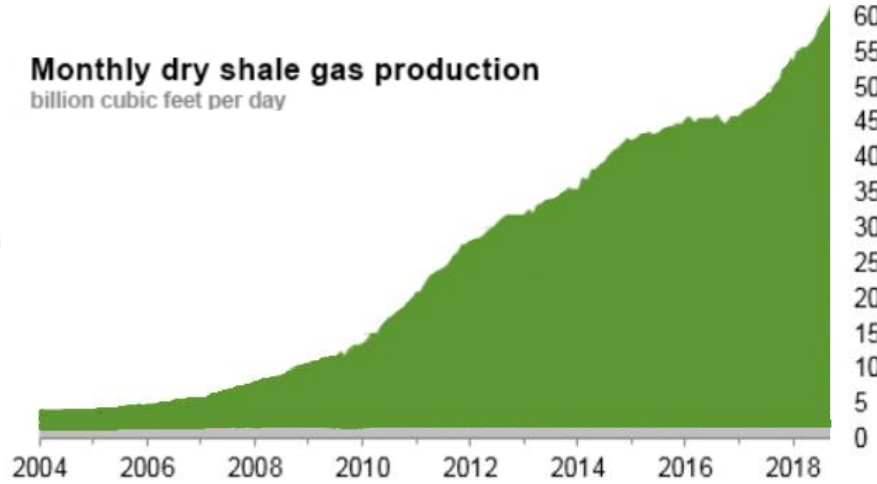
Shares of primary energy



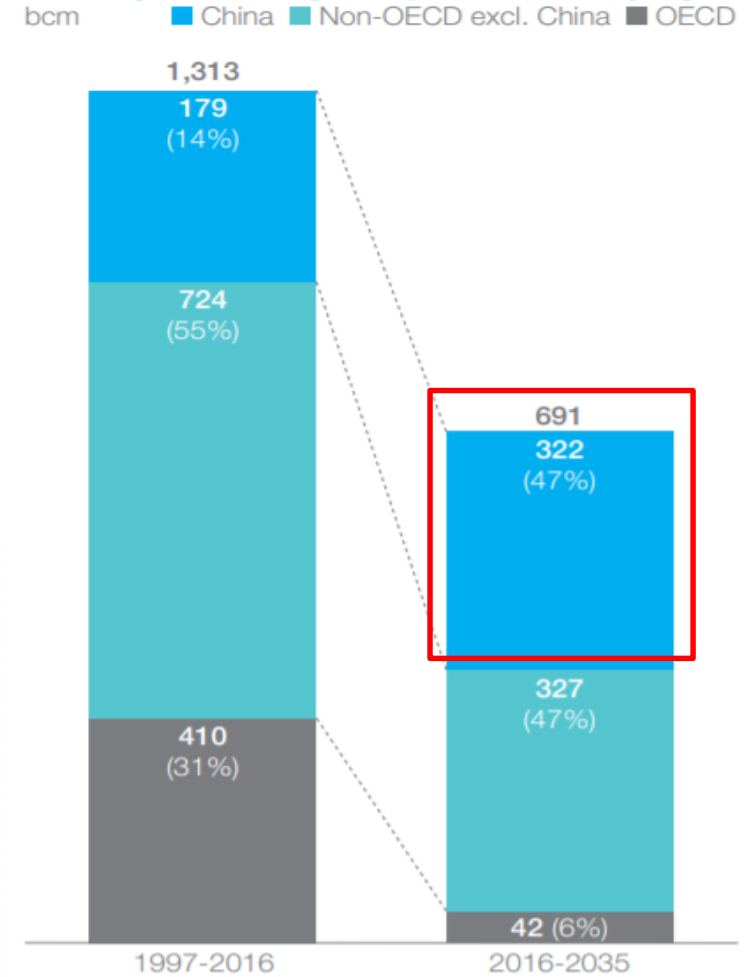
Global Energy Outlook

China leads global gas demand ; underpinning the global LNG Market growth

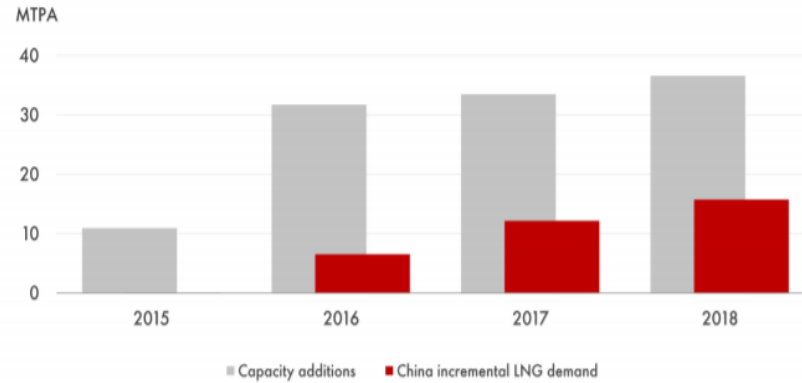
Monthly dry shale gas production
billion cubic feet per day



Natural gas demand growth past vs. future by region
bcm



The global ripple effect of China's demand surge - China underpins the global LNG market growth

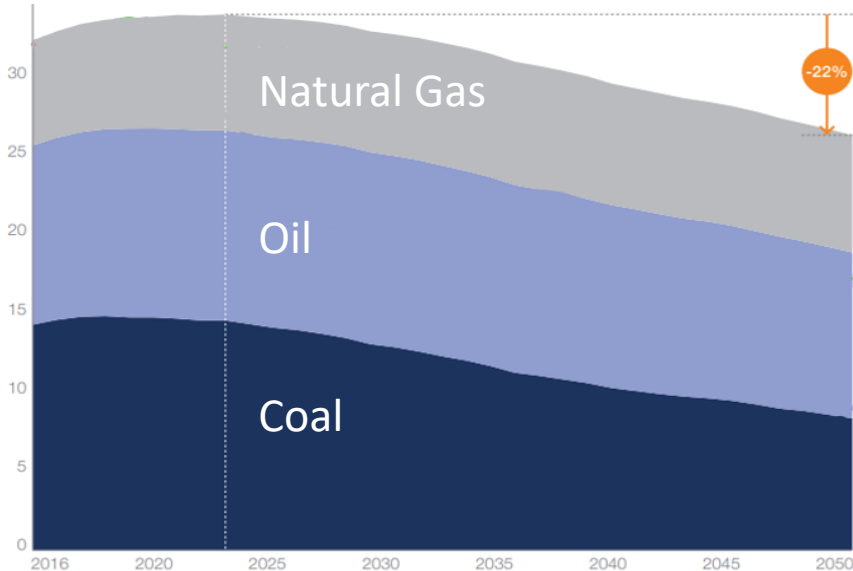


Source: China Gas Strategy, Royal Dutch Shell - GasTech 2019

Source: McKinsey Energy Insights Global Energy Perspective Jan 2019

Subject to disclaimer

Global energy-related CO2 emissions per fuel
GtCO₂ p.a.

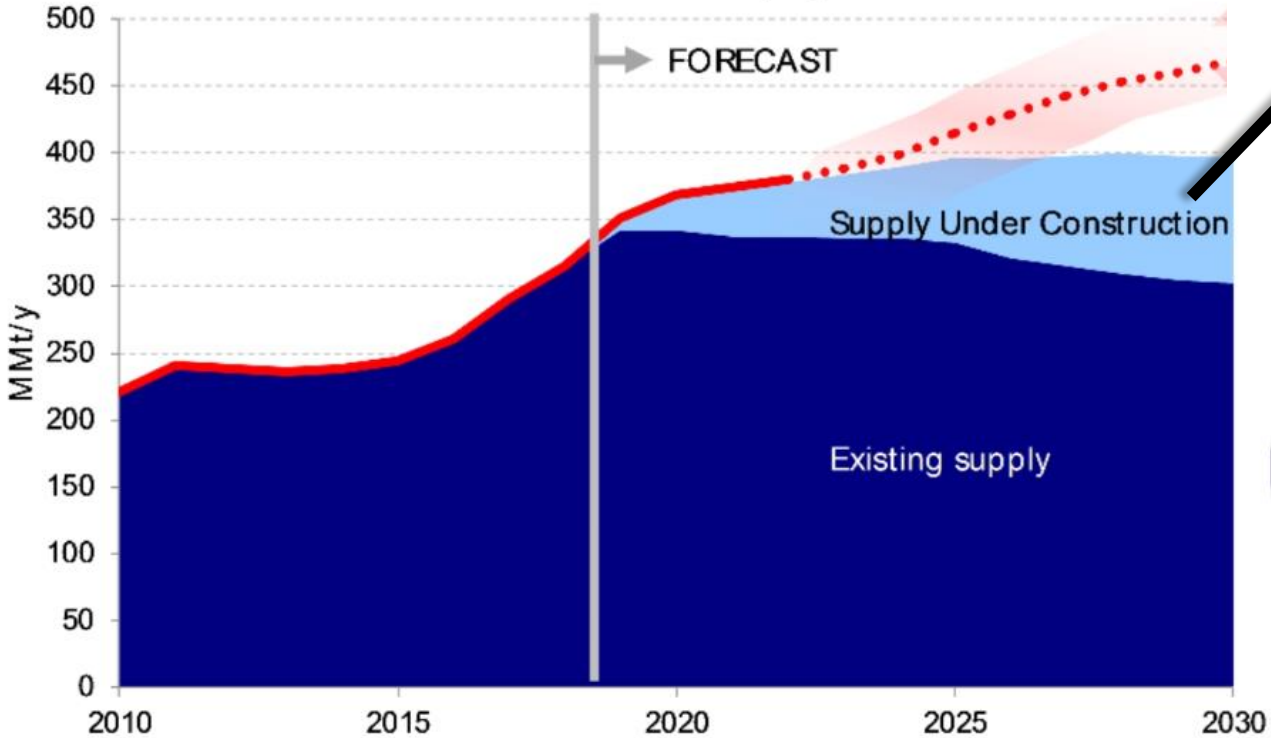


Source: McKinsey- Global Energy Perspective 2019- Reference case

Global Energy Outlook

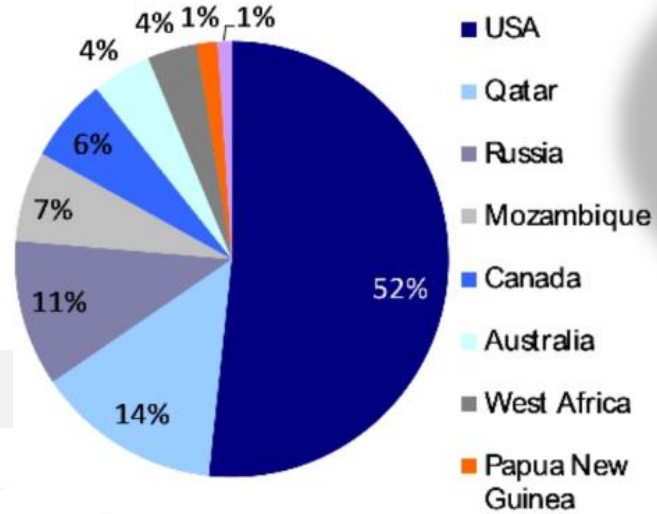
More than 200 MMT/y of planned supply projects post 2023

Global LNG demand vs. Committed LNG projects



Source: Poten & Partners GasTech Houston 2019

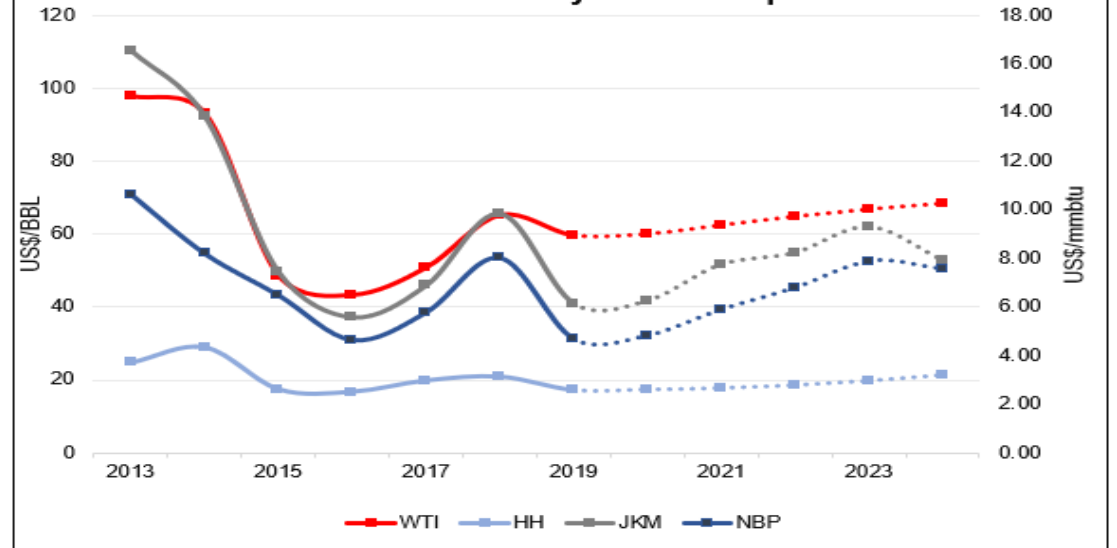
Country level breakdown: 209 MMt/y of planned LNG plant capacity



Source: Poten & Partners

**Oversupply of LNG
can lead to Price
Suppression**

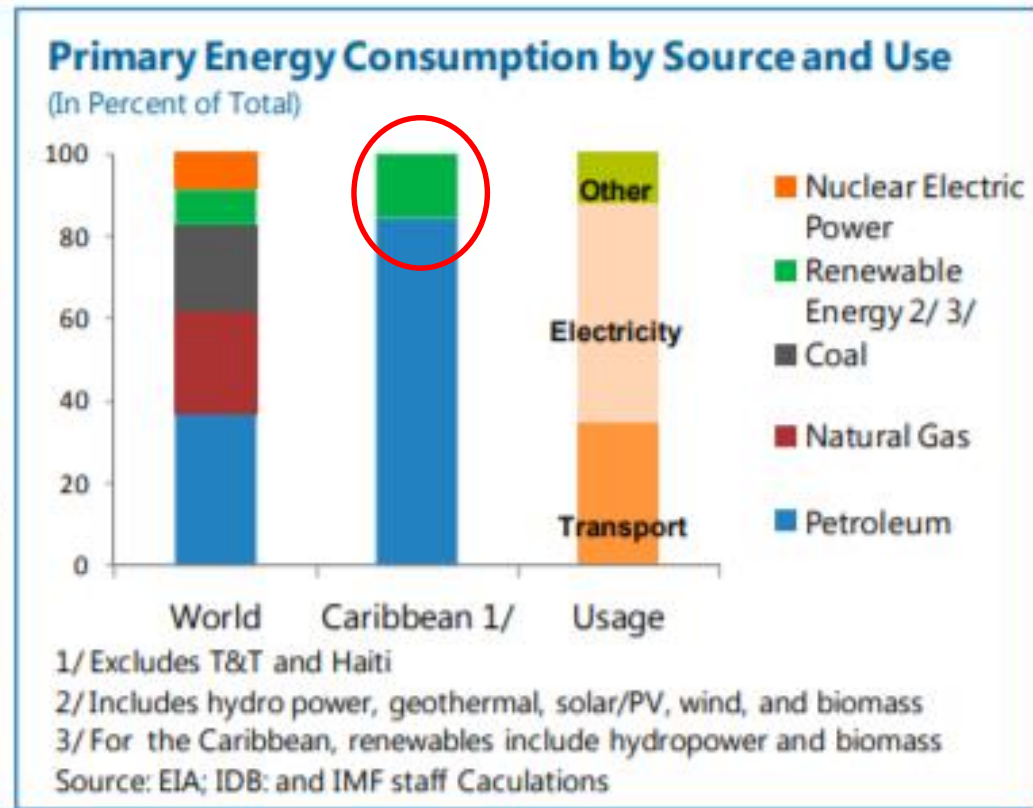
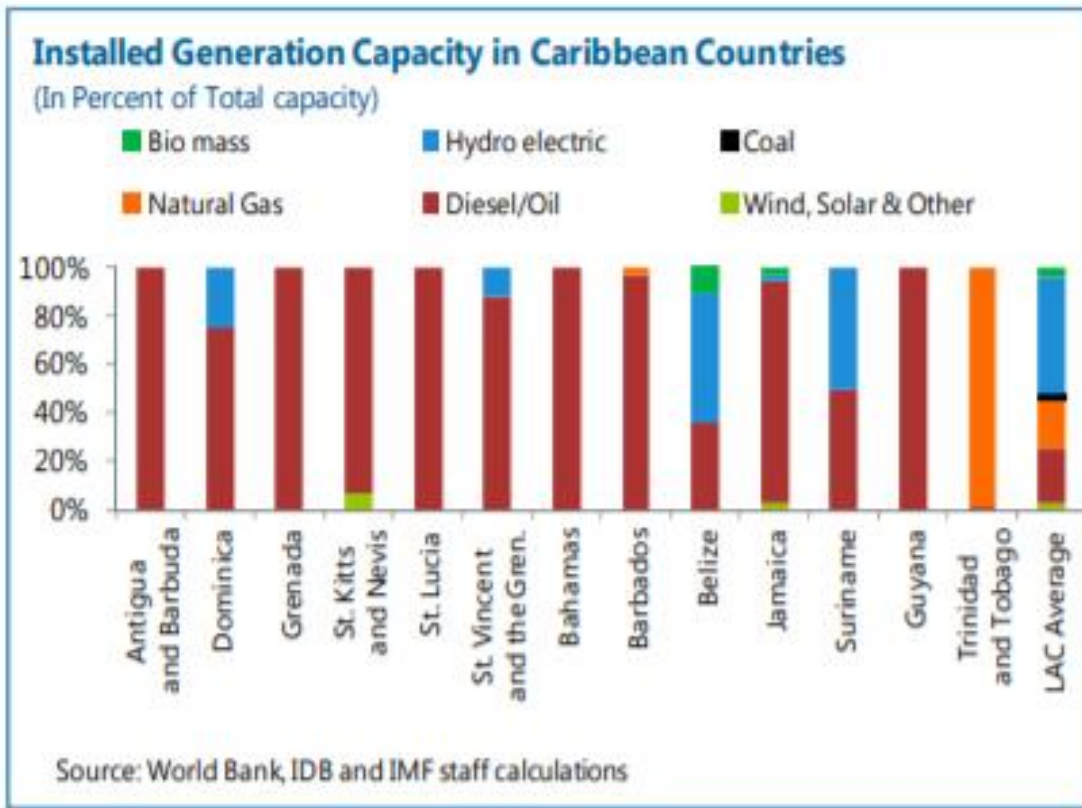
2013-2024 Commodity Price Comparison



Source: WTI – EIA (2013-2018) and Argus (2019-2024); HH – EIA (2013-2018) and PIRA (2019-2024), JKM and NBP – PIRA (2013-2024)

Increased focus on moving to a cleaner fuel choice and becoming energy efficient.

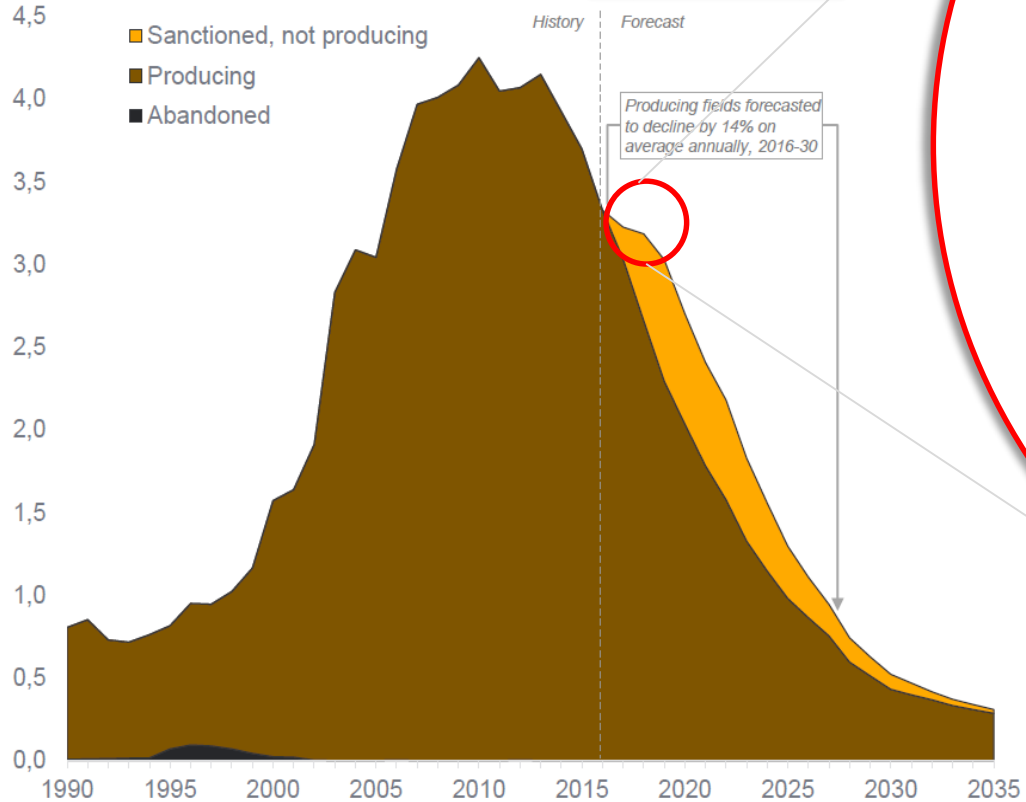
Regional Energy Outlook



Although Latin America and Caribbean (LAC) accounts for <10% of CO emissions, it is the most affected area by climate change

Mount Trinidad – where are we?

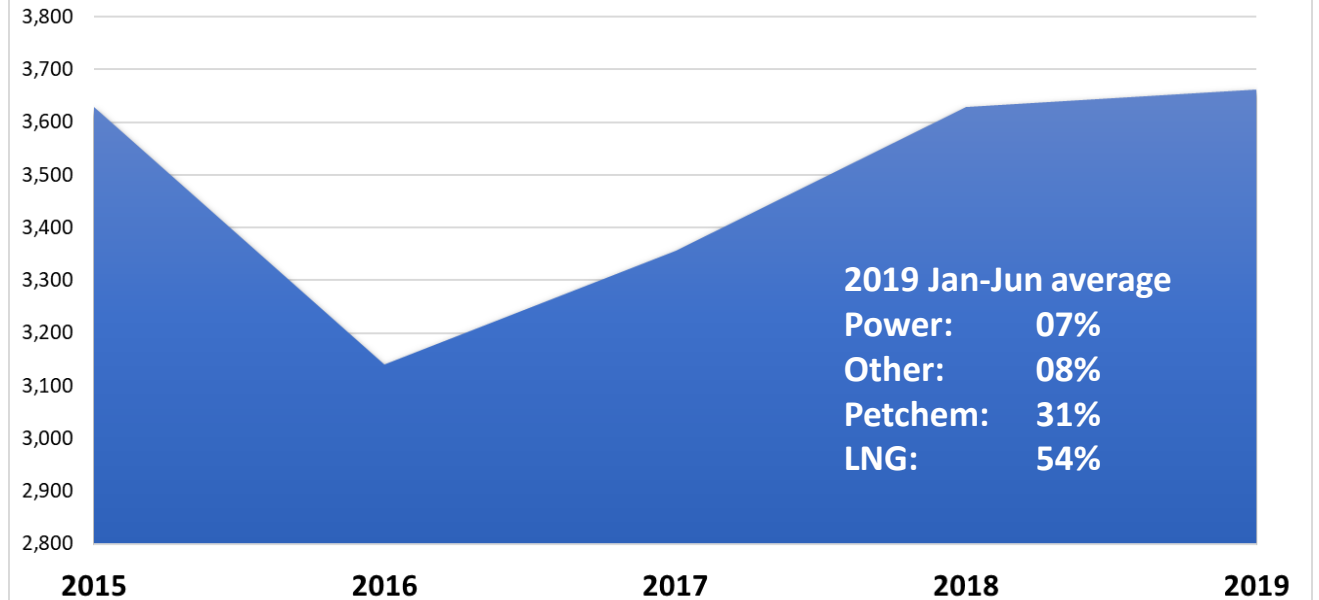
Gas production potential from sanctioned gas fields
Billion cf/d



Source: Rystad Energy January 2018

Post 2016

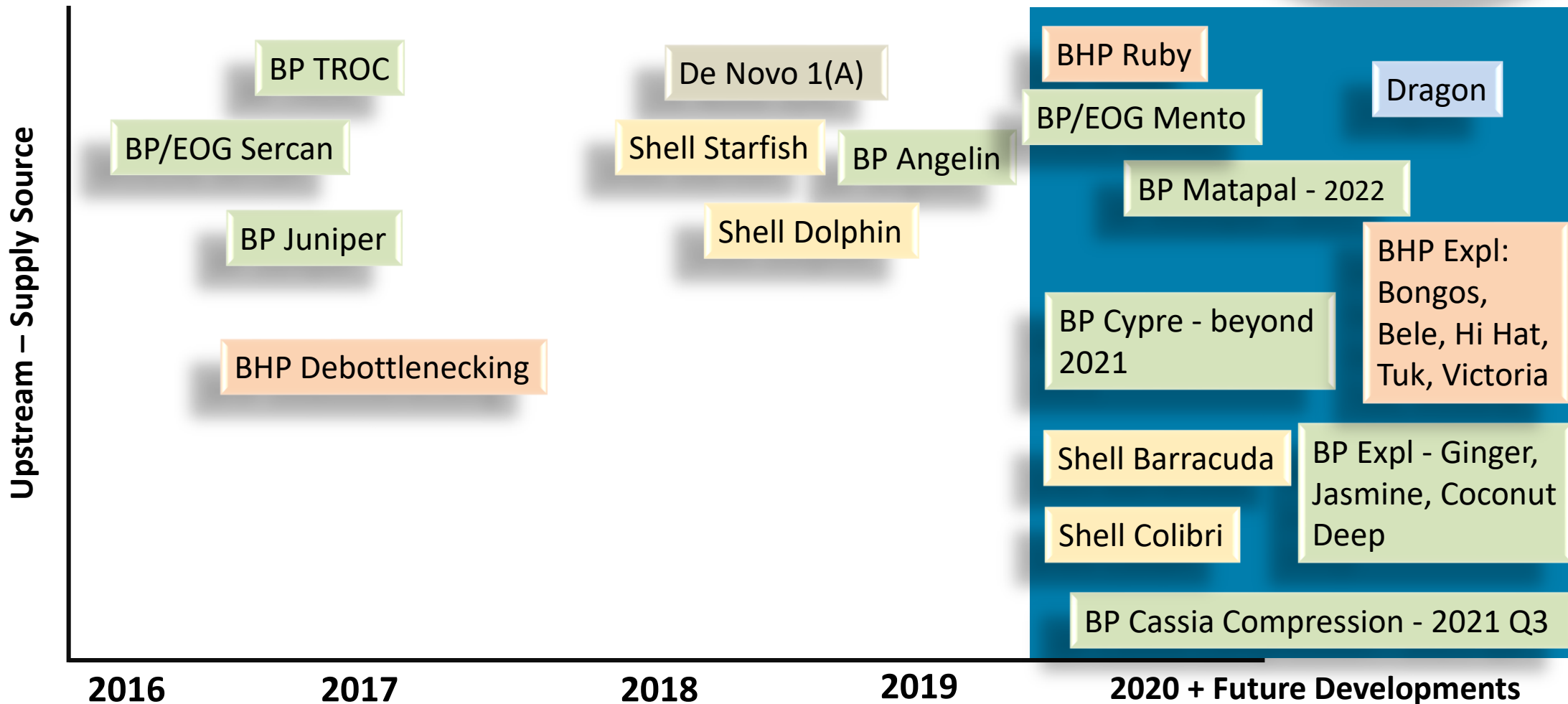
T&T Gas Production, MMCFD



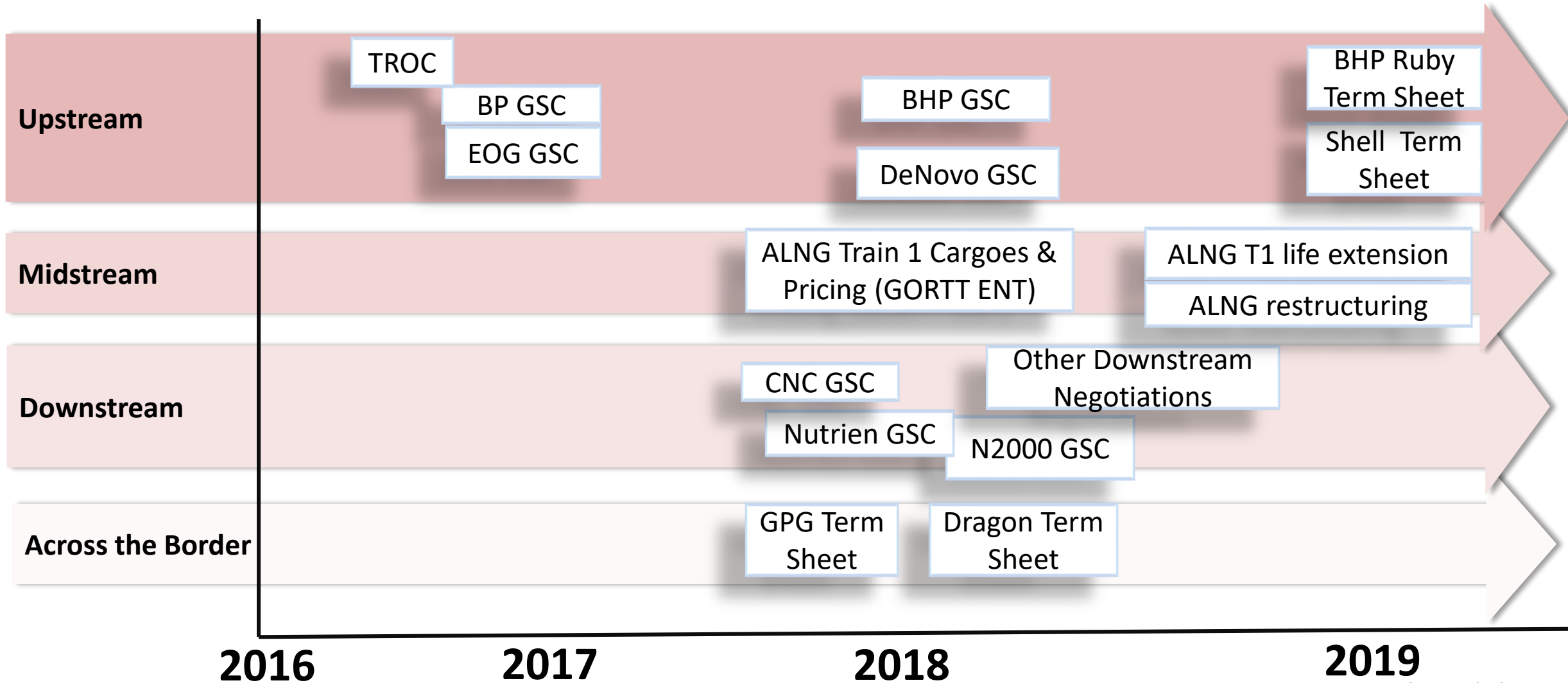
Source: MEEI Consolidated Bulletins and NGC Projections 2007- 2018, 2019 NGC Internal projections, includes reinjection, fuel and flaring

Developments to Upstream

**Sustainability of
Downstream
Sector – Additional
Molecules**

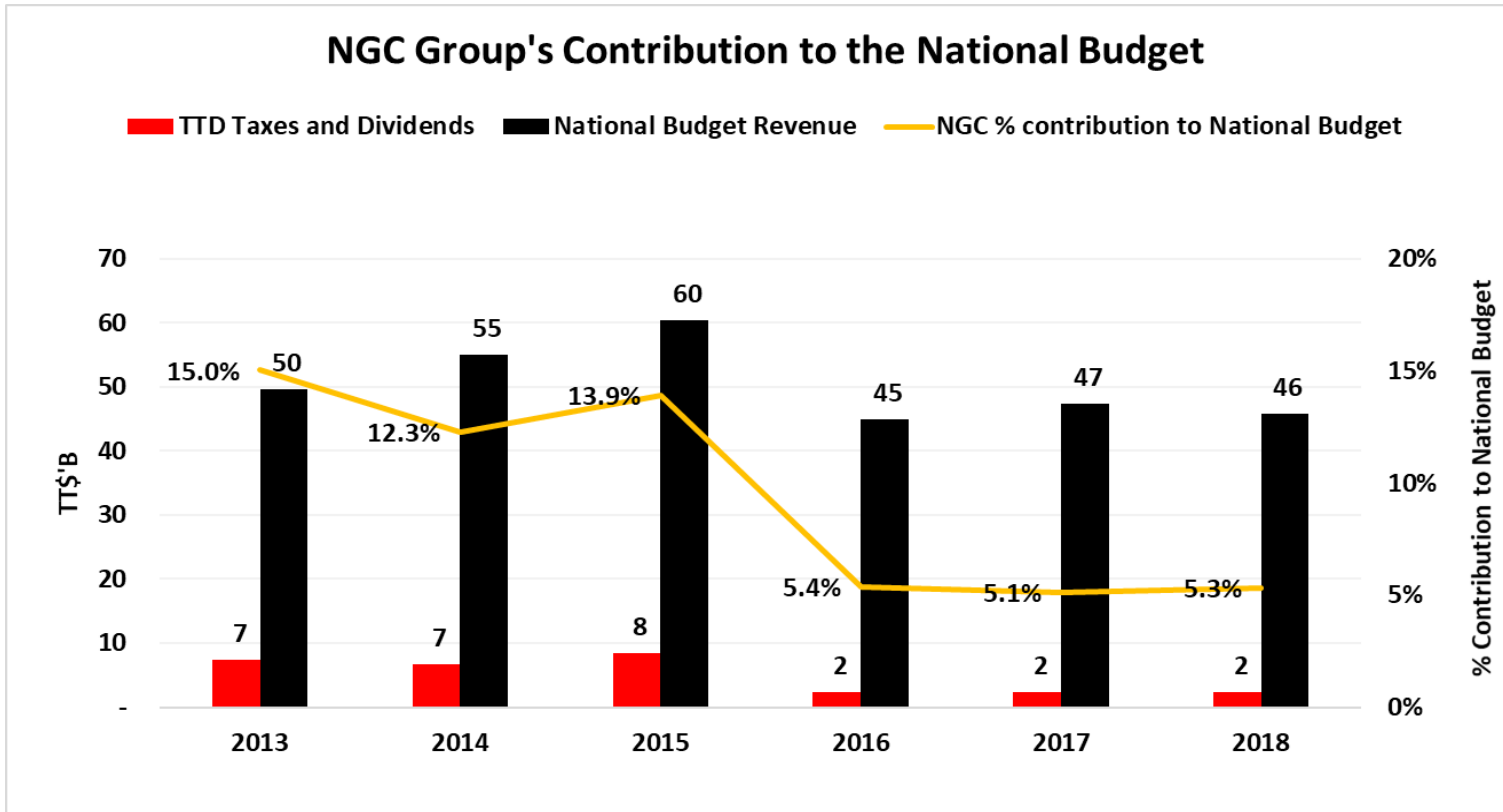


Gas Supply Developments

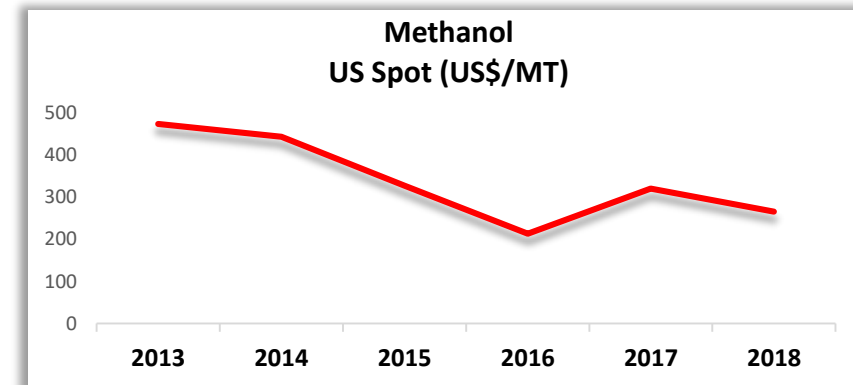
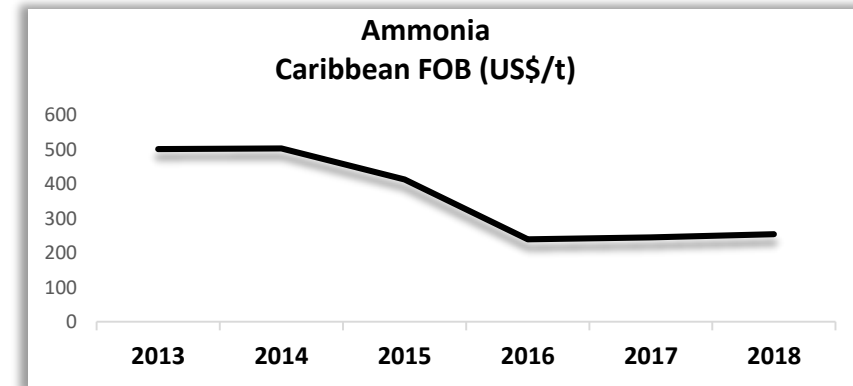


NGC Group contributes an average of 9.5% to the National Budget over the period 2013 - 2018

NGC Group's Contribution to National Budget



Source: NGC Group Audited Consolidated Financial Statement 2013-18

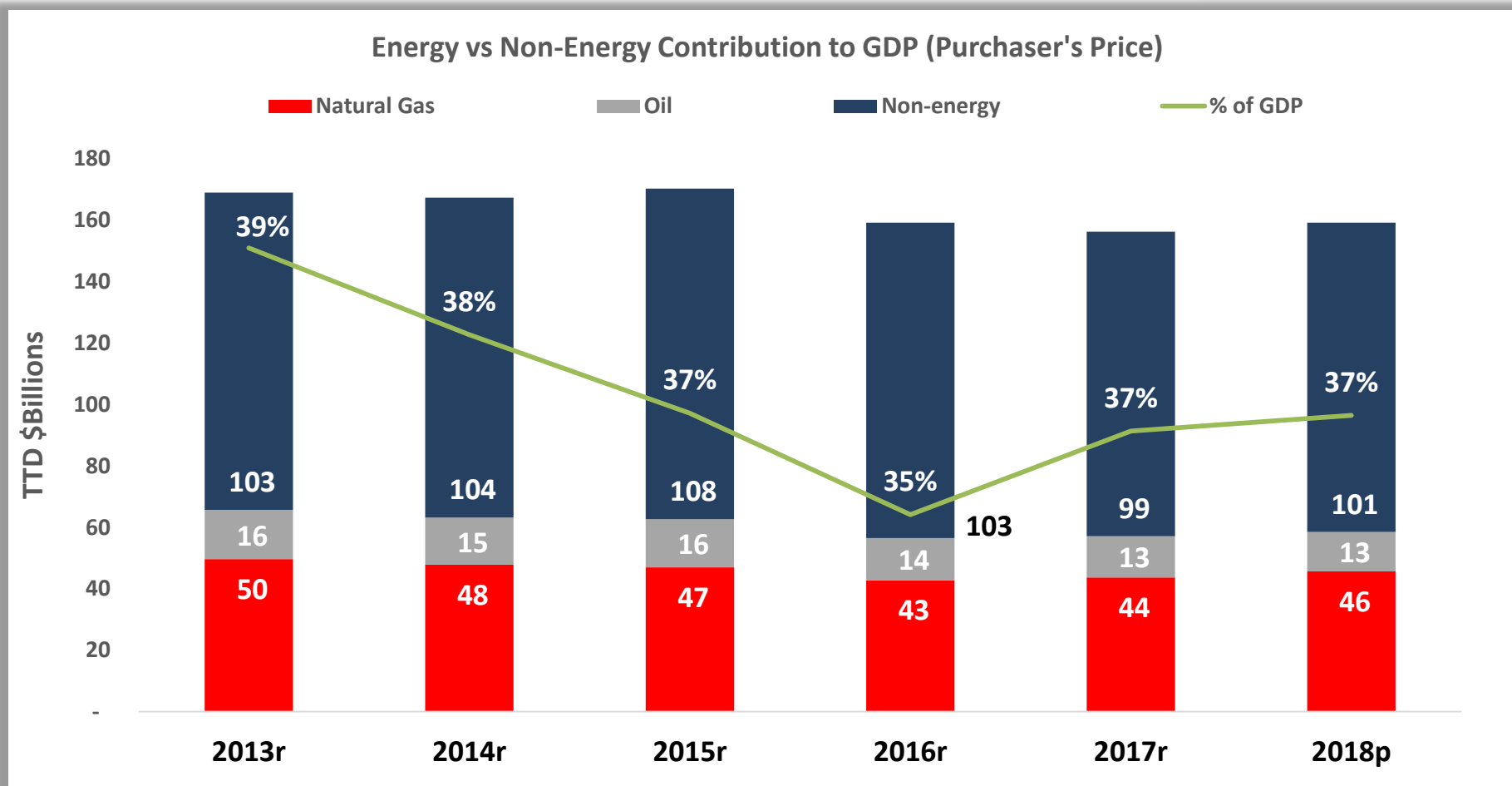


Volatility of commodity prices play an important factor on NGC Group's earnings

**Energy Sector contribution
to GDP (TTD Bn)**

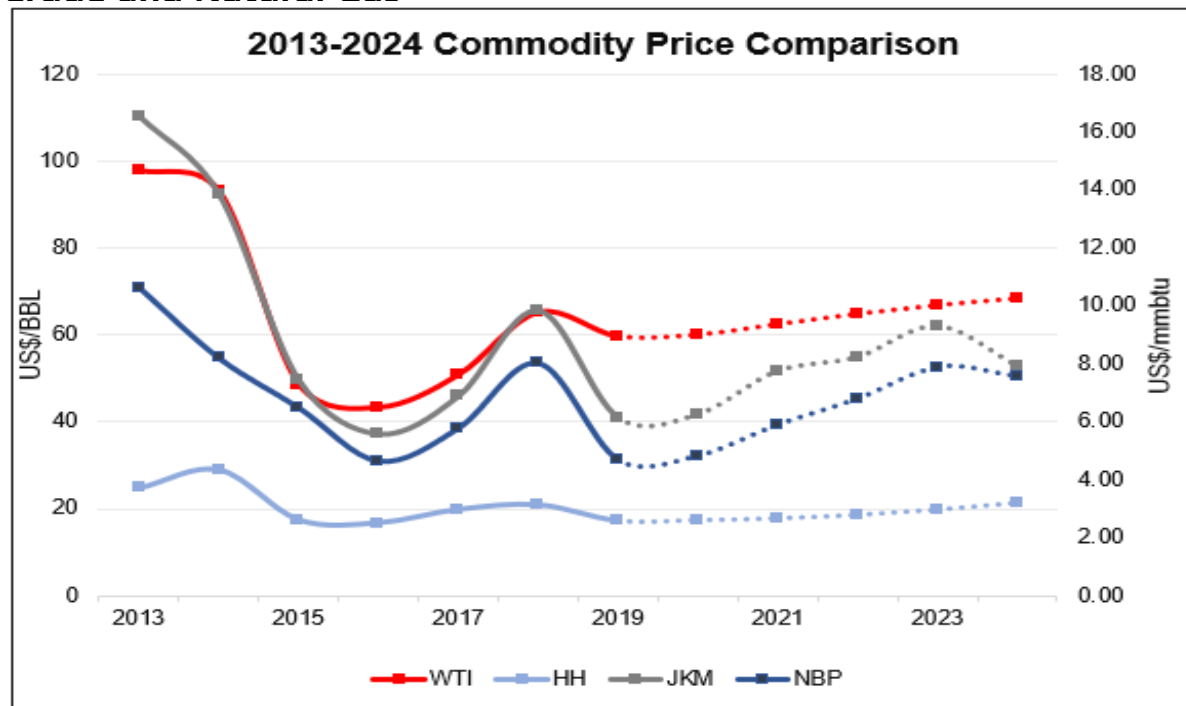
2013r	65.70
2014r	63.22
2015r	62.65
2016r	56.53
2017r	57.13
2018p	58.52

Energy Sector Contribution to Trinidad & Tobago's GDP

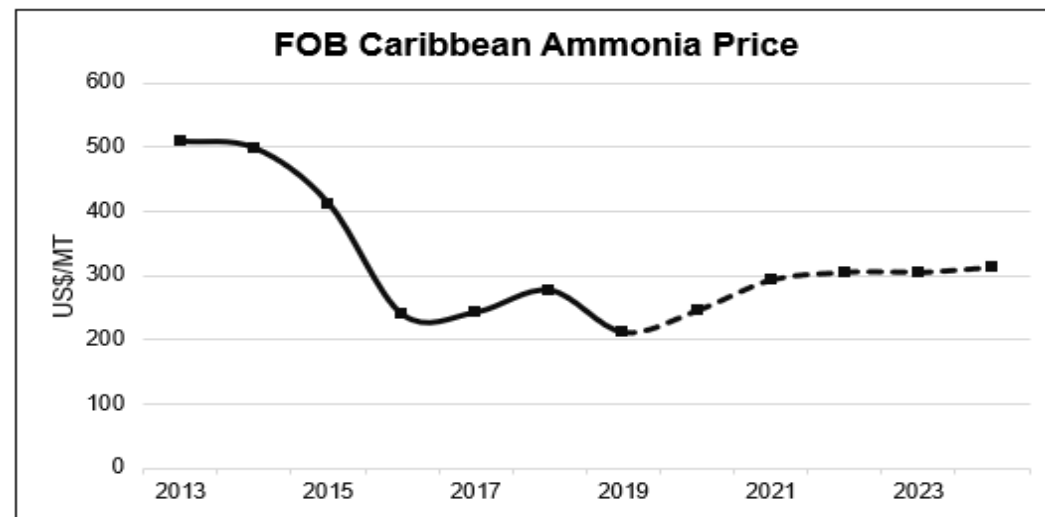


Prices: Future Projections

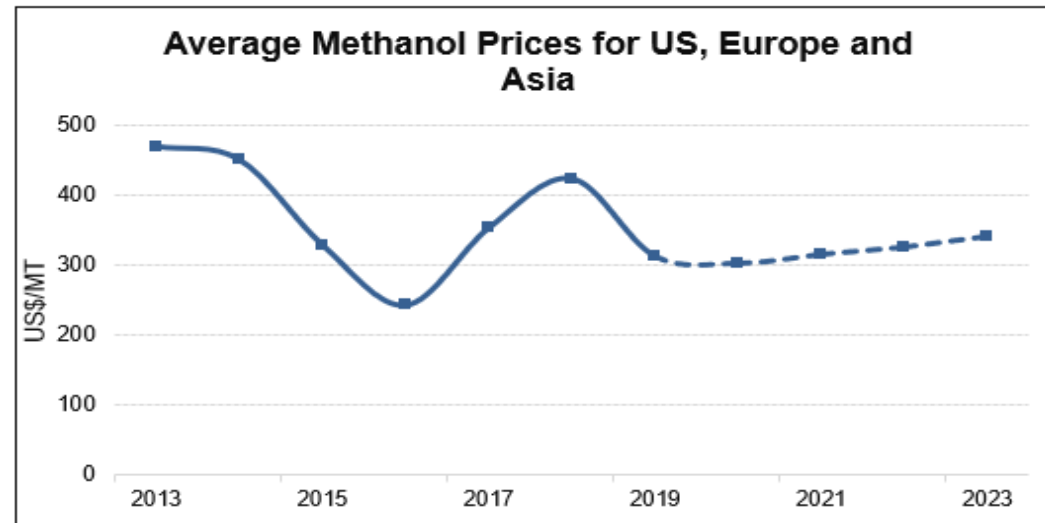
Crude and Natural Gas



Source:
WTI – EIA (2013-2018) and Argus (2019-2024); HH – EIA (2013-2018) and PIRA (2019-2024)
JKM and NBP – PIRA (2013-2024)

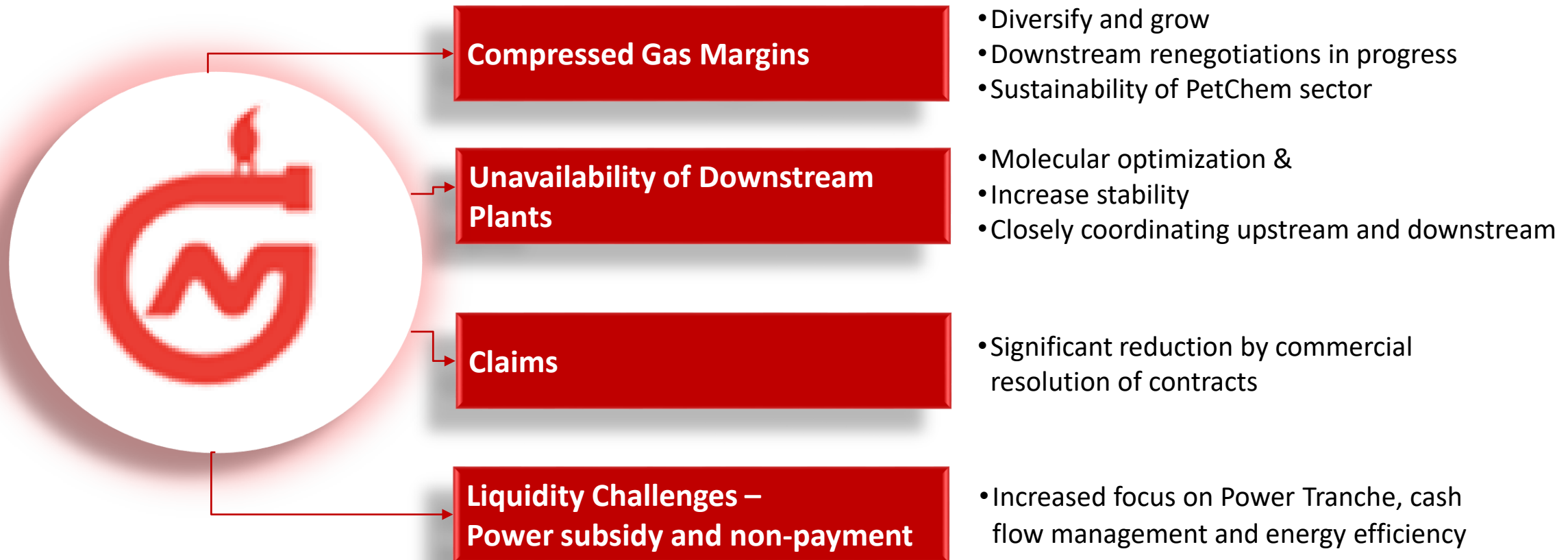


Source: CRU September 2019



Source: IHS Markit

Our Internal Environment





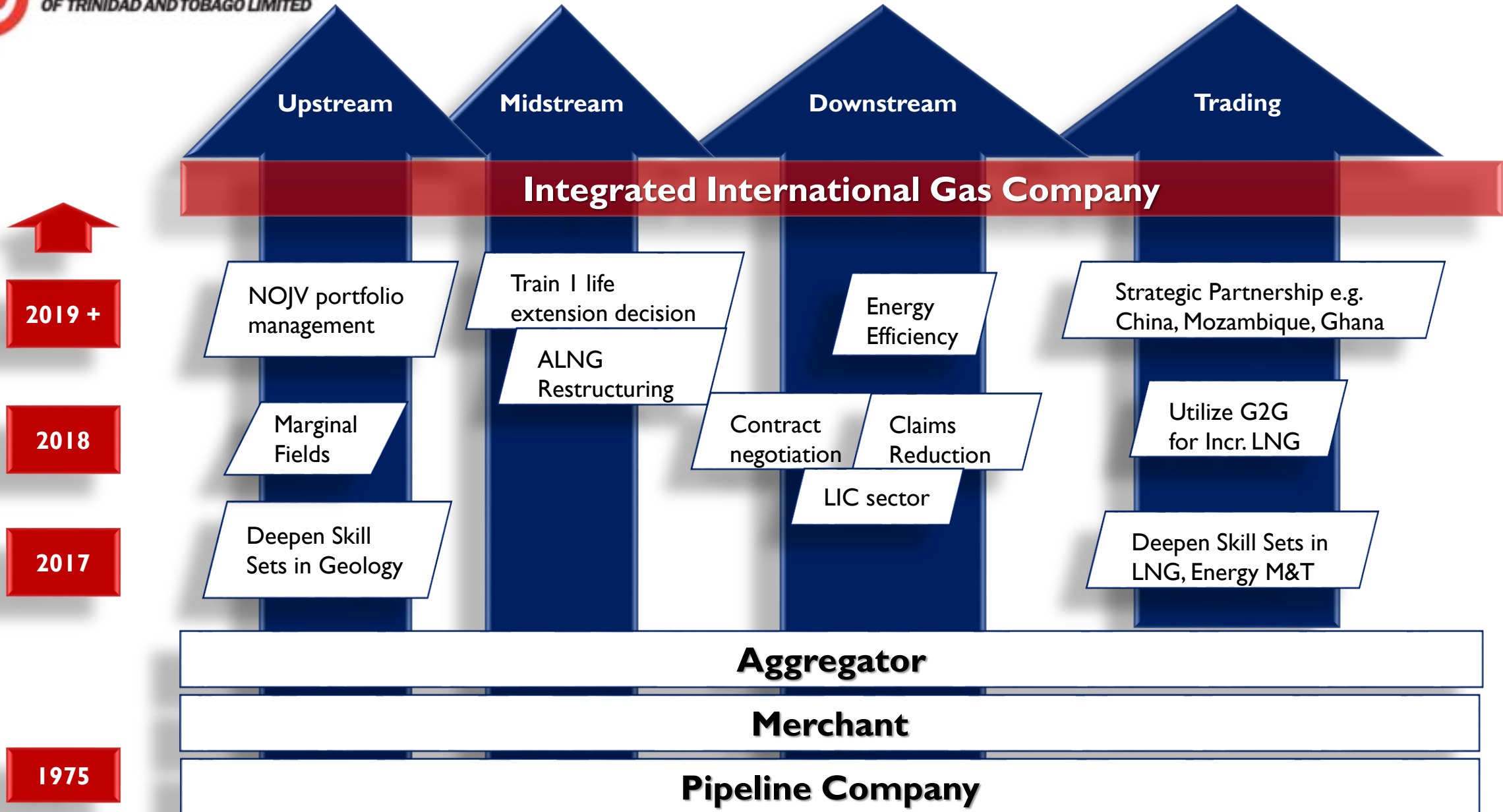
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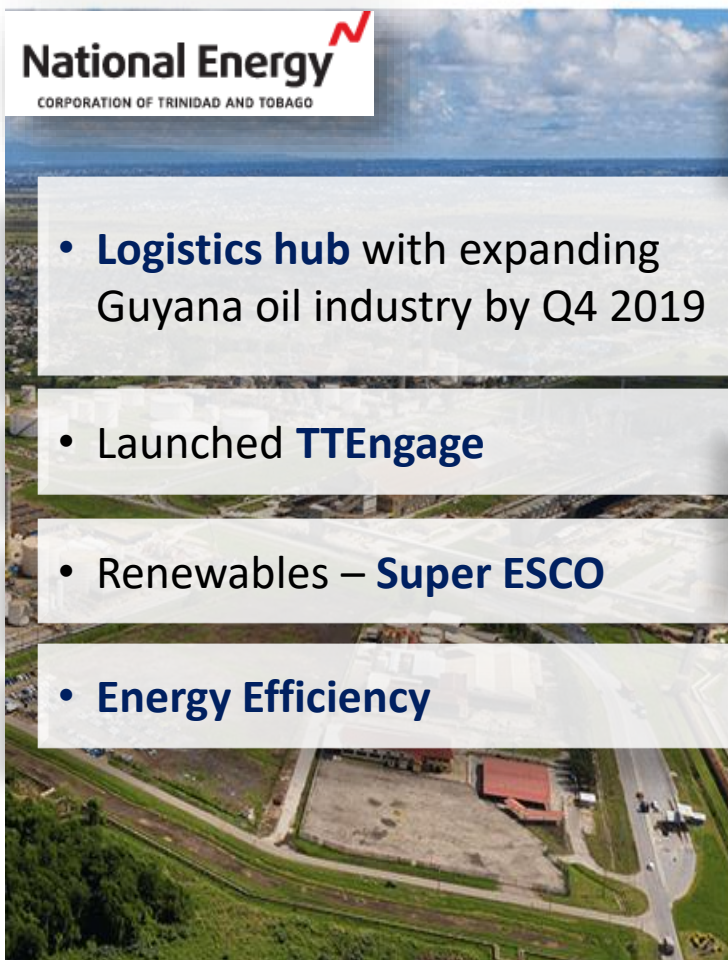
A look into the future.



MEMBERS OF THE NGC GROUP OF COMPANIES



NGC Group's Contribution to National Economy



National Energy
CORPORATION OF TRINIDAD AND TOBAGO

- **Logistics hub** with expanding Guyana oil industry by Q4 2019
- Launched **TTEngage**
- Renewables – **Super ESCO**
- **Energy Efficiency**



**PHOENIX PARK
GAS PROCESSORS LIMITED**

- **Gas Processing agreement** with Ghana Gas
- **Exporting expertise** - Training of plant operators at PPGPL facility
- **Inorganic Growth**



CNG
NGC CNG
Company Limited

- Achieved sales of 1 million litre milestone (Sept 2019) , **YTD savings of 18,949 tons of CO2**
- 2014 – 6 CNG stations
- 2019 - 17 CNG stations
- 2019 - 200 conversions /mth

NGC's changing business model



1 Sustainability of PetChem Sector

- Marginal fields
- Across the Border



2 Value Creation across the Gas Chain

- Upstream portfolio optimization
- Group Synergies



3 Diversification and Growth

- LNG
- Marketing and Trading



4 Strategic Partnerships

- China
- Mozambique
- Ghana
- Guyana
- Caribbean



5 Shaping the industry and region

- Power tranche
- Signatory to Energy Chamber Energy Efficiency Charter



6 National Contribution through sustainable development

- Police Youth Club
- YTEPP
- Steelbands/MIC



7 Technology

- Real time data,
- Drones
- Increased productivity
- E-auctions
- Increased communication

People and Strategic Partnerships

Collaboration

Knowledge Transfer

People Development

Long Term Energy Vision

