



PHOENIX PARK  
GAS PROCESSORS LIMITED

# PPGPL'S SUSTAINABILITY & ESG JOURNEY

GISELLE GRANNUM-MODESTE

SENIOR SPECIALIST – HEALTH & SUSTAINABILITY

## Embracing the New Energy Future

*“By 2033 Trinidad and Tobago will be a place where people enjoy a high quality of life within a safe and healthy environment” Ministry of Planning*

A SUBSIDIARY OF



THE NATIONAL GAS COMPANY  
OF TRINIDAD AND TOBAGO LIMITED





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# CORPORATE PROFILE





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# Strategic Direction



# Strategic Statements



## CORE PURPOSE

Creating Sustainability for current and future generations of Trinidad and Tobago.

## VISION

To be a recognised global leader in the development of sustainable energy-related businesses.

## MISSION

To create exceptional value from natural gas and related energy businesses through our people and strategic partnerships



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# Strategic Pillars



**SECURE  
CURRENT  
BUSINESS**



**GROW  
LOCALLY &  
INTERNATIONALLY**



**TRANSFORM  
ORGANIZATION**



**STRENGTHEN  
NATIONAL  
CONTRIBUTION**



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# Our Operations





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# Our Solutions

## Processing

PPGPL currently owns and operates three natural gas processing facilities where it processes “wet gas” supplied by NGC offshore fields.

## Fractionation

PPGPL fractionates NGLs recovered from processed gas into Propane (C3), Butane (C4) and Natural Gasoline (C5+).

## Storage

PPGPL's products are stored in specialized tanks where PPGPL builds inventory until the products are shipped.

## Marketing

PPGPL markets and sells Propane, Butane and Natural Gasoline.



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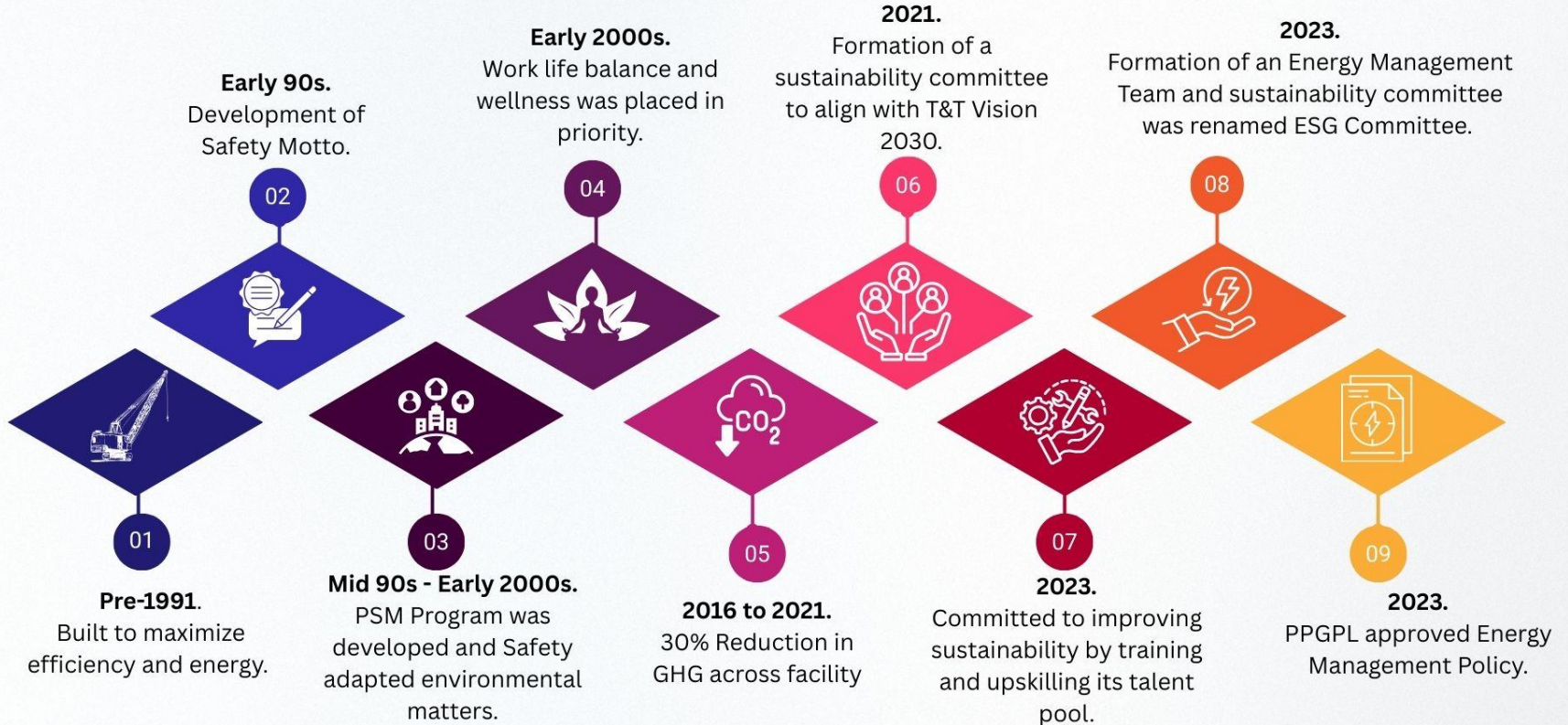
# SUSTAINABILITY THROUGHOUT PPGPL'S OPERATIONS





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# SUSTAINABILITY THROUGHOUT PPGPL'S ACTIVITIES





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# ENVIRONMENTAL/GOVERNANCE COMPLIANCE

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- Compliance With 18 CECs
- Compliance With PPGPL 'S Landlord's (PLIPDECO) Requirements
- Execution Of Annual Compliance Monitoring
- Execution Of Quarterly Effluent Monitoring
- Execution Of Indoor Air Quality Monitoring





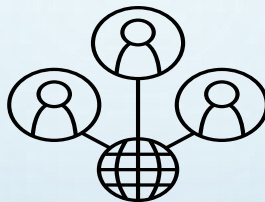
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# PPGPL's ESG Priorities



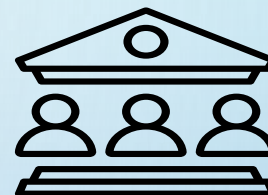
## Environmental

- Greenhouse Gas Emissions
- Climate Change & Renewable Energy
- Air Emissions
- Pollution Reduction
- Water Management
- Waste Management



## Social

- Safe Work
- Occupational Health
- Our Talent
- Diversity, Equity and Inclusion
- Enhancing Our Communities



## Governance

- Governing Purpose
- Quality of Governing Body
- Ethical Behaviour
- Risk and Opportunity Oversight



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# PPGPL ESG Committee



**ROSSI ATWARIE**

Senior Manager HSS  
(LT Sponsor)



**Giselle Grannum-Modeste**

Senior Specialist-  
Health & Sustainability  
(Committee Lead)



**KELLEE ANN ST. CLAIR**

VP Commercial,  
PPEML



**SEERA MITCHELL**

Risk Management  
Specialist



**MEERA RAMPERSAD**

OSM Superintendent



**JASON PILLAI**

Senior Process Engineer



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# PPGPL ESG POLICY

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- PPGPL ESG Policy was crafted by the ESG Committee and approved by the President.
- The ESG Policy outlines our commitment to ESG principles and sets the framework for our approach to sustainability and responsible business practices.
- The policy is a shared responsibility by management, employees and various stakeholders and is applicable to PPGPL and its subsidiaries.





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# PPGPL's Path to Reporting

## ESG?

- What is ESG?
- Enrollment of the PPGPL Sustainability Committee and subsequent Completion of an ESG Investing Programme facilitated by the Columbia Business School Executive Education.

## Framework ?

- An ESG Report Sub-Team commenced a review of all available ESG Frameworks available.
- Selection of Framework most suitable for PPGPL's operations.

## ESG Engagement Sessions

- Multiple ESG Awareness sessions were developed and delivered to the PPGPL Employee body to facilitate engagement and discussions on ESG within the organization.

## Specific Requirements

- Requirements aligned to disclosures contained in the framework requirements were identified and requested of specific disciplines.

## Internal Report compilation

- The PPGPL ESG Sub-Team generated a draft report which served as the conceptual material for engagement of an external publishing agency and creation of the Final ESG Report.





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# PPGPL'S ESG Report Publications

- To date PPGPL has published two annual ESG Reports for the years 2022 and 2023.
- Work is currently in progress for the creation of the 2024 ESG Report.
- Generation of all ESG Reports have been facilitated internally by PPGPL staff.





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- Training course: **ESG and materiality assessment training session.**
- Facilitated by the united nations in June 2024.
- Training offered to leadership team and other key internal members of staff.
- Facilitator:
  - Associate development coordination officer  
Partnerships and development finance  
Office of the united nations resident coordinator

## **TRAINING – DOUBLE MATERIALITY ASSESSMENT**





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# Energy Management Initiatives (PPGPL Energy Mgt Team)

- PPGPL's Energy Policy has been the driving force to reduce methane emissions.
- Key Projects/Initiatives:
  - Total Flare Reduction.
  - Total Fuel Optimization.
  - Reduction in Methane Emissions.
  - Optimization of Electricity Consumption.
  - Energy Awareness.



## Benefits derived

Not only has PPGPL reduced GHG emissions but also reduced total energy utilisation by 10.3% over the period 01 Jan to 31 December 2024.



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# PPGPL Sustainability Metric 2024

Sustainability Metric	2024 Targets	Weight
GHG Emission Reduction	2% annual reduction	25%
Environmental Releases	Within CEC limits	25%
Energy Utilization (Energy Intensity Factor)	< 0.30 MMBTU/barrel	25%
Administration Building (Rivulet Road) Electricity Consumption	2% annual reduction (equivalent to < 2178.4 kWh/day)	25%
TOTAL SCORE		1.00

## NOTES:

- Target minimum score for 2024 = 0.75
- Additional ESG components to be incorporated in the future.



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# ONGOING PROJECTS

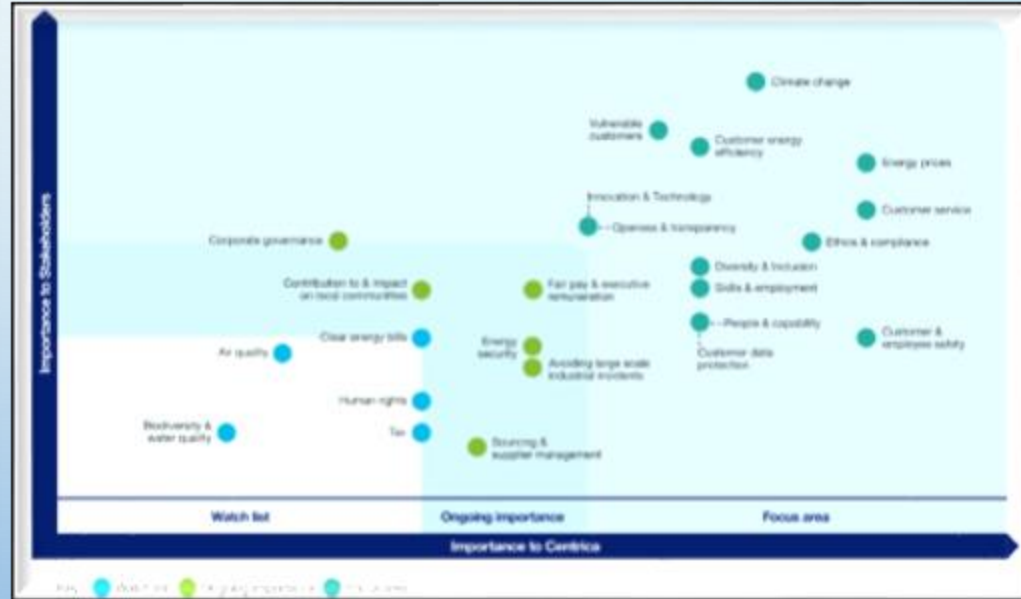




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# Double Materiality Assessment

- A double materiality assessment involves assessing and disclosing not only the financial impact of ESG issues on a company but also the impact of the company's activities on society and the environment.
- This dual perspective helps organizations to better understand and manage their sustainability-related risks and opportunities while meeting the information needs of a wider range of stakeholders.
- Key Components of the Double Materiality:
  - Financial Materiality
  - Environmental and Social Materiality





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# CLIMATE RISK ASSESSMENT



- As climate risks grow across the Caribbean, U.S., and Canada, PPGPL is advancing its sustainability journey by focusing on resilience, risk reduction, and transparency.
- Climate risks pose significant challenges to PPGPL and PPEM as our operating territories are increasingly affected by climate change. Climate risks refer to the potential positive or negative impacts of climate-related hazards and threats to personal safety, physical infrastructure, organization operations, and financial stability. Climate risk is the nexus of three components: hazards, exposure and vulnerability.
- A climate risk assessment (CRA) identifies and evaluates the probability of future climate-related hazards and their potential impacts to people, assets and operations. The PPGPL CRA will be executed in a six-step process.





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# LESSONS LEARNT

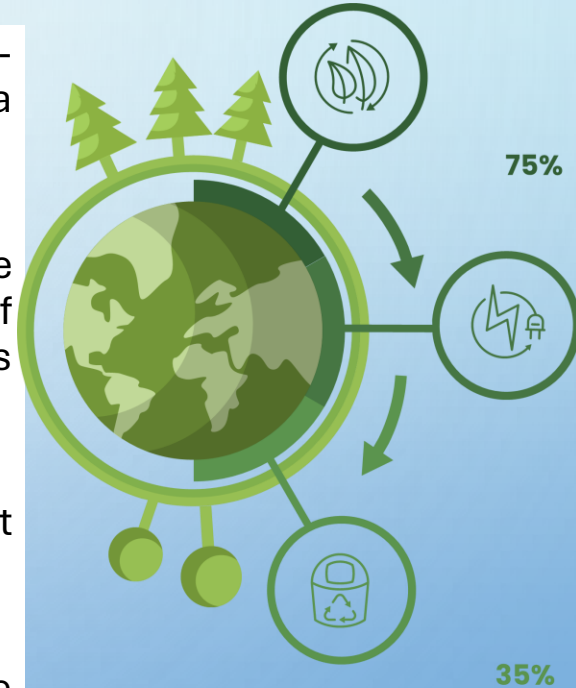




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# LESSONS LEARNT

- ESG performance and reporting is a Team effort. ESG like a three-legged stool requires equal input from all the elements to deliver a balanced performance.
- It is important to help employees to understand and appreciate that ESG performance and reporting is not the sole responsibility of the HSS department, instead every employee's activity contributes to the ESG performance of an organization.
- When we come together as an organization there is a synergy that delivers much more than our individual achievements.
- Future incorporation of additional monitoring parameters are required to adequately address the requirements of the identified framework.





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# THANK YOU

## Contact Us:



868-636-1522



832-996-4600



[www.ppgpl.com](http://www.ppgpl.com)



Administrative Building: Rivulet Road Couva, Trinidad and Tobago



Plant Facility: Rio Grande Drive Pt. Lisas Industrial Estate Couva, Trinidad and Tobago



Corporate Office: Remington Square Office Blvd B, 10613 West Sam Houston Pkwy N. | Suite 100  
Houston, Texas 77064



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