Fourth Session of the 12th Parliament

FINANCIAL SCRUTINY UNIT
Office of the Parliament of Trinidad and Tobago

HEAD 40: MINISTRY OF ENERGY AND ENERGY INDUSTRIES

ALLOCATION: $822,381,260.00

A Summary of the Department’s Projects Expenditure, Divisions and Projects.

Financial Scrutiny Unit,
Parliament of Trinidad and Tobago.
Publication
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About this Guide

This guide provides a summary of expenditure for the Ministry of Energy and Energy Industries for the period 2018-2024. It provides Members of Parliament and stakeholders with an overview of the Ministry’s responsibilities. The primary purpose of this guide is to consolidate the information contained within the various Budget Documents pertaining to the Ministry of Energy and Energy Industries and provide readers with an analysis of same. This guide is based primarily on:

- the Draft Estimates of Recurrent Expenditure 2024;
- the Draft Estimates of Development Programme 2024;
- the Public Sector Investment Programme 2024; and
- the Report of the Auditor General on the Public Accounts of the Republic of Trinidad and Tobago for the Financial Year 2022.
Head 40: Ministry of Energy and Energy Industries

Ministerial Overview

The Ministry of Energy and Energy Industries (MEEI) is responsible for the overall management of the oil, gas and minerals sectors in Trinidad and Tobago. These sectors are the largest single contributors to the GDP of the country and the revenues generated provide the resources for the future development objectives of the Government of the Republic of Trinidad and Tobago (GORTT).

The MEEI is also responsible for monitoring, controlling and regulating of the energy and mineral sectors of Trinidad and Tobago. Its early years began in 1904 when the Mines Department was established to manage Manjak production. In 1948 the Mines Department was re-designated the Petroleum Department. In June 1962, the Ministry of Petroleum and Mines was established. Since then there has been nine name changes with corresponding changes in ministerial responsibility. As the energy sector expanded so have the roles and functions of the MEEI.

Mission Statement

To provide strategic leadership and effective regulation and management of the energy and mineral sectors to create sustainable value for Trinidad and Tobago.

Vision Statement

To be a highly responsive, client-oriented organisation to drive the sustainable development of the energy and mineral sectors.

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Core Values

- Commitment – to create an enabling environment in the energy and mineral sectors.
- Professionalism – strengthening competencies towards creating a team with expertise.
- Integrity – operating based on the tenets of honesty and diplomacy.
- Accountability – functioning within a robust system of checks and balances.
- Transparency – bound by legislation, rules and regulations.
- Service Oriented – striving for excellence in customer service delivery.
- Equity and Equality – ensuring that all services of the MEEI are available and accessible to stakeholders.

Within this context, the following Strategic Goals and Objectives were defined to guide the operations of the organisation for the 2017–2021 period:

- Growth and Sustainability;
- Maximising Our Potential;
- Operational Efficiency;
- Governance Service Excellence; and

Functions of the Ministry of Energy and Energy Industries

The Ministry operates a range of activities including:

- Leasing and/or licensing of areas for petroleum exploration and production.

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➢ Regulation and management of all oil and gas development activities.
➢ Regulation and management of upstream operations in oil refining activities.
➢ Administration of domestic marketing of petroleum products, natural gas transmission/sales, petrochemical manufacture and other natural gas based industries.
➢ Formulation and implementation of legal instruments for the petroleum industry.
➢ Acquisition, analysis and dissemination of both local and international petroleum information.
➢ Sharing responsibility with the Ministry of Finance for the collection of petroleum revenues accruing to the State.
➢ Representation of the interests of Trinidad and Tobago at international petroleum fora and institutions.
➢ Long term planning, development and implementation of policy initiatives in the petroleum sector.
➢ Sharing of the management of the State’s interests and assets in the oil and gas industry.
➢ Sharing responsibility for the administration and management of the minerals sector.

**Divisions³ & Units⁴**

➢ **Office of the Permanent Secretary**
   ➢ **Contract Management**
   ➢ **Commercial Evaluation**

➢ **Downstream Petroleum Management**
   ➢ **Energy Research and Planning**
   ➢ **LNG and Gas Exports**
   ➢ **Petroleum Operations and Management**

➢ **Legal**
   ➢ **Corporate Communications**
   ➢ **Minerals**

➢ **Resource Management**
   ➢ **GIS/Draughting**
   ➢ **Financial Service**

➢ **General Administration**
   ➢ **Human Resources**

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Ministry of Energy and Energy Industries’ Oversight

The MEEI has a wide range of oversight over several companies as published in the Gazette on September 9th, 2020 as follows:

Responsibilities

The Ministry is responsible for the following areas:

- Energy Industries
- Hydrocarbons
- Power Generation
- Energy Policy Planning and Research
- Natural Resources
- Quarries and Mines

The following State Enterprises fall under the portfolio of the MEEI:

Wholly Owned Enterprises

- Lake Asphalt of Trinidad and Tobago (1978) Limited
- Union Estate Electricity Generation Company Limited
- Trinidad Petroleum Holdings Limited
- National Quarries Company Limited

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- Trinidad and Tobago National Petroleum Marketing Company Limited
- The National Gas Company of Trinidad and Tobago Limited

**Majority Owned Enterprises:**
- Alutrint Limited
- Alutech Limited

**Indirectly Owned Enterprises:**
- Atlantic 1 Holdings LLC (A1HLLC)
- Block 1 (a) (T&T)
- Downstream Petrochemicals Research and Development Limited
- Heritage Petroleum Company Limited
- Liquid Fuels Company of Trinidad and Tobago Limited
- NATPET Investments Company Limited
- NGC CNG Company Limited
- NGC E&P Investments (Barbados) Limited
- NGC E&P Netherlands Cooperatief U.A
- NGC E&P (Netherlands) B.V.
- NGC NGL Company Limited
- Atlantic LNG 4 Holdings Limited (ALNG4HL)
- Caribbean Gas Chemical Limited
- Eastern Caribbean Gas Pipeline Company Limited
- La Brea Industrial Development Company Limited
- National Energy Corporation of Trinidad and Tobago Limited
- NEL Power Holdings Limited
- NGC E&P (Barbados) Limited
- NGC E&P Investments Limited
- NGC E&P Investments (Netherlands) B.V
- NGC Group Captive Insurance (Barbados) Limited
- NGC Petrochemicals Limited
- NGC Pipeline Company Limited (NPL)
- Paria Fuel Trading Company Limited
- Petrotrin Panama Incorporated
- South East Coast Consortium
- TSP Assets (Teak, Samaan, Poui)
- Trinidad and Tobago Marine Petroleum Company Limited
- Trinidad Northern Areas Limited
- Trintoc Services Limited
- Trinidad Generation Unlimited
- World GTL Trinidad Limited
- NGC Trinidad and Tobago LNG Limited (formerly NGC LNG (Train 4) Ltd.)
- Petroleum Company of Trinidad and Tobago Limited
- Phoenix Park Gas Processors Limited
- The Guaracara Refining Company Limited
- Trinidad and Tobago LNG Limited
- Trinidad Nitrogen Company Limited
- Trinmar Limited
- Trinidad and Tobago NGL Limited
- Point Fortin LNG Exports Limited (PFLE)

**Statutory Board and Other Bodies:**

- The Power Generation Company of Trinidad and Tobago Limited (PowerGen)
The energy sector is one of the main drivers of the Trinidad and Tobago economy, contributing 34.9% to real GDP and almost 39% to the Government's revenue. The GORTT’s focus is on creating partnerships and innovations that foster self-reliance and a resilient energy sector through an ethical, efficient and evolving regulatory framework. The GORTT began the process of having open, transparent and formal discussions with all major players in the Trinidad and Tobago energy sector, upstream, midstream and downstream, to achieve consensus on appropriate improvements to our oil and gas taxation regime, incentives and gas pricing regime.

The Policy Initiatives For the Energy Sector Are Geared to:

- Ensure that we have an attractive, competitive and responsible fiscal and regulatory environment, that will maximize recovery of our hydrocarbon resources and national income;
- Support and encourage local professionals and service companies to export energy services to new and emerging oil and gas producing countries, within CARICOM, in Africa, and elsewhere;
- Encourage and facilitate partnerships, investment and joint ventures with oil and gas companies and state agencies overseas, focusing in particular on Guyana and Suriname, Ghana and Tanzania;
- Utilise the National Gas Company as an investment vehicle for new energy and hydrocarbon based industries, both in Trinidad and Tobago and overseas;
- Facilitate and encourage the growth of locally owned energy sector companies through appropriate fiscal and monetary incentives and concessions;
- Maximize local content and local value added through appropriate guidelines and legislation;

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Ensure that the local private sector obtains a larger share of the activity generated by the energy sector, especially in exploration and production, in addition to more traditional areas such as fabrication, remediation, construction, design, logistics, well services, platform operations and maintenance and support services;

Maximize efficiency in the use of natural gas in the downstream sector;

Promote the development of new industries and innovation and foster awareness and acceptance of new technologies;

Maximize, where practicable, the use of renewable energy (such as solar, wind and wave energy) through incentives, concessions and enabling legislation, and make reduction of Trinidad and Tobago's carbon footprint a priority by setting appropriate renewable energy production targets, as has been done in the European Union, where EW countries have been mandated to achieve a target of 20% of energy production from renewable energy sources by the year 2020;

Work in partnership with business and labour to maximize output, while ensuring fair wages and equitable wealth distribution, appropriate economic returns and social justice;

Continue building our reputation for integrity, transparency and respect for signed contracts and agreements;

Create an environment in which producer companies, both existing and new, become aggressive about seeking new discoveries in oil and gas;

Accelerate and conclude negotiation of new gas supply contracts, to replace long-term contracts that are due to expire in the next few years, in the best interest of the country and all stakeholders;

Develop appropriate strategies to monetize the discovery of reserves of natural gas found in deep waters, which are classified as expensive gas;

Create an appropriate fiscal regime and incentives to encourage the production of "Stranded" oil and gas, both on land and offshore;

Ensure that the gas intensive industries, such as petrochemicals and heavy industry, remain competitive and are encouraged to expand and modernize existing operations;
➢ Develop strategies to counter the major difficulties which the LNG industry of Trinidad and Tobago (T&T) now faces, including renegotiation of arrangements for a more equitable share of the revenue for all players from the sale of LNG in our major markets in South and Central America, Europe and the Far East;
➢ Recover the projects that have been abandoned with respect to downstream industries that are still relevant, in order to provide the country with the basic building blocks for the manufacturing industry;
➢ Attract and retain first class professionals to the management and boards of state enterprises in the energy sector, while minimizing political risk and ensuring job security for these individuals;
➢ Build Trinidad and Tobago's reputation as a preferred destination for investment in the energy sector; and
➢ Overhaul and revamp the institutional framework of the state agencies in the energy sector to ensure that they can meet the demands of the global energy environment and respond promptly, transparently and effectively to proposals from potential investors.

**Minister of Energy and Energy Industries**\(^8\) - The Honourable Stuart Young, MP

**Permanent Secretary of the Ministry of Energy and Energy Industries**\(^9\) - Mrs. Penelope Bradshaw-Niles

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CHAPTER 2 - TREASURY AND FUNDS STATEMENTS

CASH BASIS CONSOLIDATED STATEMENT OF ASSETS AND LIABILITIES

NON-CURRENT ASSETS $154,113,421.38

INVESTMENTS - GENERAL - $42,896,520.87

2.47 These investments comprised fixed deposits held at the Central Bank of Trinidad and Tobago and funds in money market accounts at a financial institution. The investments were held on behalf of the under-mentioned:

<table>
<thead>
<tr>
<th></th>
<th>2022 ($)</th>
<th>2021 ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrator General</td>
<td>682,904.42</td>
<td>682,904.42</td>
</tr>
<tr>
<td>Pool Betting Deposits</td>
<td>750,000.00</td>
<td>750,000.00</td>
</tr>
<tr>
<td>Ministry of Energy and Energy Affairs - Mora Oil Ventures Ltd.</td>
<td>11,463,616.45</td>
<td>11,343,311.76</td>
</tr>
<tr>
<td>Members Club</td>
<td>30,000,000.00</td>
<td>30,000,000.00</td>
</tr>
<tr>
<td>TOTAL</td>
<td>42,896,520.87</td>
<td>42,776,216.18</td>
</tr>
</tbody>
</table>

CHAPTER 3 - ACCOUNTS OF ACCOUNTING OFFICERS

ACCOUNTING FOR EXPENDITURE BY MINISTRIES AND DEPARTMENTS

TOTAL EXPENDITURE INCURRED - $58,974,346,830.34

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3.8 During the financial year 2022 expenditure was incurred under forty-two (42) Heads of Expenditure as detailed on the Statement of Expenditure included with the Treasury Statements 1. Table 3.1 below highlights those areas where expenditure was in excess of one billion dollars and reflects the percentages of total expenditure.

<table>
<thead>
<tr>
<th>Head of Expenditure</th>
<th>Actual Expenditure ($)</th>
<th>% of Total Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 - Ministry of Energy and Energy Industries</td>
<td>1,622,280,929.68</td>
<td>2.75</td>
</tr>
</tbody>
</table>

**Current Transfers**

3.15 With effect from October 1, 2019, a Treasury decision was taken to decentralise the payment of contract gratuities to ministries and departments. Ministries and departments are now required to bring to account contract gratuities under 04 - Current Transfers and Subsides/007 - Households/40 - Gratuities to Contract Officers. Ministries and Departments Appropriation Statements recorded $183,345,509.83 expended to meet the payments of contract gratuities.

<table>
<thead>
<tr>
<th>Head</th>
<th>Ministry/Department</th>
<th>2022 ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Ministry of Energy and Energy Industries</td>
<td>3,832,028.17</td>
</tr>
</tbody>
</table>

**Commitments**

3.17 Comptroller of Accounts Circular No. 15 dated July 27, 2022 required ministries and departments to present in the Notes to the accounts at Note 21(i) of the Appropriation Accounts a statement showing total outstanding commitments in respect of each sub-head of expenditure as at September 30, 2022. Presented below in Table 3.4 are the commitments recorded by Ministries and Departments at Note 21(i) of their Appropriation Accounts.

<table>
<thead>
<tr>
<th>Head</th>
<th>Ministry</th>
<th>Commitments as per Note 21(i) ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Ministry of Energy and Energy Industries</td>
<td>900.00</td>
</tr>
</tbody>
</table>
CHAPTER 4 – ACCOUNTS OF RECEIVERS OF REVENUE

4.2 The main Receivers of Revenue and revenue collected is presented below:

<table>
<thead>
<tr>
<th>Ministry of Energy and Energy Industries:</th>
<th>2022($)</th>
<th>2021($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 1 - Permanent Secretary</td>
<td>7,820,787,697.36</td>
<td>2,885,205,726.35</td>
</tr>
</tbody>
</table>

STATEMENTS OF RECEIPTS AND DISBURSEMENTS
MINISTRY OF ENERGY AND ENERGY INDUSTRIES

EN1 - Ministry of Energy and Energy Industries

Statement of Arrears of Revenue

4.11 The total arrears of revenue reported in the Ministry’s Return of the Consolidated Statement of Arrears of Revenue as at September 30, 2022 was $3,612,838,185.56. The Return showed that for ‘Item 06 - Property Income/03-Royalties/001 - Royalty on Oil and Gas’, outstanding arrears stood at $3,564,115,439.79.

4.12 The return includes outstanding arrears of revenue in respect of 07 - Other Non-tax Revenue/01 - Administrative Fees and Charges/004 - Oil Impost totalling $18,196,843.36 which have been outstanding for a number of years. This comprised outstanding sums from the following companies at the end of the financial year 2022.

<table>
<thead>
<tr>
<th>Name of Company</th>
<th>Outstanding Years</th>
<th>Amount Outstanding ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petrotrin</td>
<td>2017 &amp; 2018</td>
<td>11,288,775.00</td>
</tr>
<tr>
<td>Trinmar</td>
<td>2017 &amp; 2018</td>
<td>6,805,604.62</td>
</tr>
<tr>
<td>Massy Energy</td>
<td>2017 &amp; 2018</td>
<td>$15,123.76</td>
</tr>
<tr>
<td>Mora Oil Ventures</td>
<td>2014 &amp; 2015</td>
<td>$87,340.60</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>18,196,843.98</td>
</tr>
</tbody>
</table>
Review of the Public Sector Investment Programme 2023

VISION 2030: PLACING THE ENVIRONMENT AT THE CENTRE OF SOCIAL AND ECONOMIC DEVELOPMENT

Energy / Renewable Energy Alternatives

The GORTT’s policy directives for the Energy Sector are centered around ensuring a reliable and sustainable energy supply, enhancing energy efficiency and reducing Trinidad and Tobago’s carbon footprint. To advance these goals, in fiscal 2023, a revised allocation of $39.8 million was made to the Ministry of Energy and Energy Industries (MEEI) to provide strategic leadership, development of regulation and management of the energy and mineral sectors. The MEEI undertook the following activities throughout fiscal 2023 to achieving these goals:

Renewable Energy and Energy Efficiency Initiatives (RE&EE)

A revised proposal was drafted for the installation of two (2) electric vehicle (EV) chargers, purchase of one (1) electric vehicle and the installation of solar LED lighting in the car park of the Queen’s Hall Auditorium. The National Energy Corporation (NGC) of Trinidad and Tobago provided project management services and the project was 20 percent completed.

Synthetic Aperture Radar System (SAR) for the Detection of Oil Spills (POS and Chaguaramas)

In fiscal 2022, an allocation of $0.3 million was provided for the annual maintenance cost, upgrade of ICT systems and contingency fees associated with the SAR systems at Port of Spain and Chaguaramas. These systems play a vital role in facilitating the early detection of oil spills in the Gulf of Paria.

Acquisition of Equipment for the National Quarries Company Limited (NQCL)
A Furukawa rock drill was purchased at a cost of $3.5 million for NQCL. The equipment was needed to meet the demand for the limestone production and required by the Ministry of Works and Transport for its extensive remedial road infrastructural work plan.

Acquisition of an Unmanned Aerial System (UAS) for the Minerals Sector
The purchase of UAS is required for the detection of oil spills in areas where there is little or no surveillance. The request for proposals was competed and project is 20 percent completed.

Dredging of the Sea Lots Main Channel and Turning Basin
Cabinet approved a revised project cost of $87.5 million for the dredging of the Sea Lots Main Channel and Turning Basin, to return it to a depth of seven (7) meters, which will facilitate ease of navigation for vessels. In addition, a bathymetric survey and a feasibility study to determine the integrity of the existing quay wall along the Channel was completed. Trinidad and Tobago, continues to experience the negative effects of climate change, such as the rise in sea level, increased ambient temperature and extreme weather events. Human activities, including chemical and waste pollution, land degradation, and deforestation also contribute to the destruction of the environment. The GORTT remains committed to channeling resources into solution-oriented interventions with the aim of alleviating these effects. In this regard, Ministries, Departments and Agencies (MDAs), concentrated on the implementation of projects that targeted climate resilience, waste management, bolstered disaster preparedness measures, fortified coastal protection initiatives, conserved valuable natural resources, and fostered the integration of alternative and sustainable power sources. The Government also continued to pursue sustainable development initiatives in order to fulfills its obligations under various Multilateral Environmental Agreements (MEAs).
Supplementation of Appropriation for the fiscal year 2023

During fiscal year 2023, it was necessary to have a Supplementation of Appropriation of resources to fund urgent and critical Recurrent and Capital Expenditure in areas where insufficient or no allocation was provided. The source of these additional funds was the Consolidated Fund.

The Ministry of Energy and Energy Industries requested and was granted the following supplementations:

**Recurrent Expenditure - $600,000,000**

04/007/01 – Shortfall in Subsidy re: Sale of Petroleum Products - $600,000,000

Funding is required to facilitate the payment of arrears of subsidy due to the National Petroleum Marketing Company Limited (NPMC) ($468,992,309.44) and the United Independent Petroleum Marketing Company (UNIPET) ($131,007,690.56).

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The Ministry’s total allocation as a percentage of the National Budget for the period 2018 to 2024

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Allocation</th>
<th>National Budget</th>
<th>Percentage of National Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>$87,100,243.00</td>
<td>$54,211,726,813.00</td>
<td>0.16%</td>
</tr>
<tr>
<td>2019</td>
<td>$336,255,939.00</td>
<td>$54,581,467,181.00</td>
<td>0.62%</td>
</tr>
<tr>
<td>2020</td>
<td>$583,907,428.00</td>
<td>$57,388,076,726.00</td>
<td>1.02%</td>
</tr>
<tr>
<td>2021</td>
<td>$510,411,160.00</td>
<td>$56,498,472,820.00</td>
<td>0.90%</td>
</tr>
<tr>
<td>2022</td>
<td>$1,622,280,930.00</td>
<td>$58,974,346,470.00</td>
<td>2.75%</td>
</tr>
<tr>
<td>2023</td>
<td>$2,066,208,800.00</td>
<td>$67,063,358,456.00</td>
<td>3.08%</td>
</tr>
<tr>
<td>2024</td>
<td>$802,381,260.00</td>
<td>$68,384,229,740.00</td>
<td>1.17%</td>
</tr>
</tbody>
</table>

- Total allocation for the Ministry as a percentage of the National Budget illustrated a decrease in the allocation to the Ministry of Energy and Energy Industries by **1.91%** between the years 2022/2023 and 2023/2024.

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13 For the Financial Years 2018-2024, actual figures were used to calculate total allocation. However, estimates were used to calculate the total allocation for the Fiscal Years 2023 and 2024.
14 Total Allocation for the Ministry of Energy and Energy Industries = Recurrent Expenditure + Consolidated Fund Expenditure
15 The National Budget = Recurrent Expenditure + Development Programme Expenditure Consolidated
Where the Ministry spends its money

2024 Estimates of Expenditure

The budget allocation of $822,381,260.00 for the Ministry of Energy and Energy Industries is comprised of:

- The Draft Estimates of Recurrent Expenditure\(^{16}\) in the sum of $801,278,260.00; and
- The Draft Estimates of Development Programme\(^{17}\) in the sum of $21,103,000.00;
  - Consolidated Fund in the sum of $1,103,000.00; and
  - Infrastructure Development Fund\(^{18}\) of the sum $20,000,000.00.

The Estimates of Recurrent Expenditure include:

- 01 Personnel Expenditure - $34,122,160.00;
- 02 Goods and Services - $70,877,900.00;
- 03 Minor Equipment Purchases $1,585,500.00 ; and
- 04 Current Transfers and Subsidies $694,692,700.00.

The Ministry of Energy and Energy Industries’:

- Recurrent Expenditure as a percentage of the total Recurrent Expenditure budget is 1.23%;
- Consolidated Fund allocation as a percentage of the total Consolidated Fund allocation is 0.03%; and
- Infrastructure Development Fund allocation as a percentage of the total Infrastructure Development Fund is 0.67%.


\(^{18}\) Head 18 –Ministry of Finance, Sub-Head 04 – Current Transfers and Subsidies, Sub-Item 11- Infrastructure Development Fund (IDF) (Infrastructure Development Fund allocation is part of the Ministry of Finance allocation for the financial year. Therefore, the total budget allocation for the Ministry of Energy and Energy Industries does not include the IDF funding.)
Ministry of Energy and Energy Industries
Total Allocation - $822,381,260.00

- Recurrent Expenditure: $1,103,000.00 (0.13%)
- Consolidated Fund: $20,000,000.00 (2.43%)
- Infrastructure Development Fund: $801,278,260.00 (97.43%)
## Summary of Recurrent Expenditure for the period 2018-2024

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>01 Personnel Expenditure</td>
<td>$27,518,306.00</td>
<td>$27,840,748.00</td>
<td>$28,272,984.00</td>
<td>$29,053,248.00</td>
<td>$29,893,536.00</td>
<td>$30,778,100.00</td>
<td>$34,122,160.00</td>
</tr>
<tr>
<td>02 Goods and Services</td>
<td>$48,347,639.00</td>
<td>$52,052,147.00</td>
<td>$50,541,234.00</td>
<td>$56,258,058.00</td>
<td>$46,843,201.00</td>
<td>$75,607,200.00</td>
<td>$70,877,900.00</td>
</tr>
<tr>
<td>03 Minor Equipment Purchases</td>
<td>$442,757.00</td>
<td>$49,072.00</td>
<td>$160,122.00</td>
<td>$617,149.00</td>
<td>$52,571.00</td>
<td>$1,171,000.00</td>
<td>$1,585,500.00</td>
</tr>
<tr>
<td>04 Current Transfers and Subsidies</td>
<td>$9,107,315.00</td>
<td>$240,427,782.00</td>
<td>$502,132,528.00</td>
<td>$424,482,705.00</td>
<td>$1,545,491,622.00</td>
<td>$1,955,166,500.00</td>
<td>$694,692,700.00</td>
</tr>
</tbody>
</table>

### Bar Chart

- **01 Personnel Expenditure**: $27,518,306.00 to $34,122,160.00
- **02 Goods and Services**: $48,347,639.00 to $70,877,900.00
- **03 Minor Equipment Purchases**: $442,757.00 to $1,585,500.00
- **04 Current Transfers and Subsidies**: $9,107,315.00 to $694,692,700.00
2024 Estimates - $801,278,260

$694,692,700.00

- Personnel Expenditure
- Goods and Services
- Minor Equipment Purchases
- Current Transfers and Subsidies
**Staff and Pay**

The allocation of staff expenditure for the fiscal year 2024 was **$54,763,800.00** which represents an increase of approximately **7.56%** from the fiscal year 2023 expenditure of **$50,915,620.00**. The following chart provides a breakdown of all expenditure related to staff from 2022-2024.

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**Summary of the Ministry of Energy and Energy Industries Staff and Pay Allocations from 2022 - 2024**

<table>
<thead>
<tr>
<th></th>
<th>Personnel Expenditure</th>
<th>Travelling and Subsistence</th>
<th>Uniforms</th>
<th>Contract Employment</th>
<th>Training</th>
<th>Short-Term Employment</th>
<th>Employees Assistance Programme</th>
<th>Travelling - Direct Charges</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2022 Actual</strong></td>
<td>$29,893,536.00</td>
<td>$2,751,659.00</td>
<td>$18,626.00</td>
<td>$13,622,433.00</td>
<td>$61,268.00</td>
<td>$910,551.00</td>
<td>$4,950.00</td>
<td>$230,235.00</td>
<td>$47,493,258.00</td>
</tr>
<tr>
<td><strong>2023 Revised Estimate</strong></td>
<td>$30,778,100.00</td>
<td>$3,000,000.00</td>
<td>$23,200.00</td>
<td>$15,000,000.00</td>
<td>$200,000.00</td>
<td>$1,500,000.00</td>
<td>$50,000.00</td>
<td>$364,320.00</td>
<td>$50,915,620.00</td>
</tr>
<tr>
<td><strong>2024 Estimate</strong></td>
<td>$34,122,160.00</td>
<td>$3,000,000.00</td>
<td>$25,000.00</td>
<td>$16,000,000.00</td>
<td>$200,000.00</td>
<td>$1,050,000.00</td>
<td>$70,000.00</td>
<td>$296,640.00</td>
<td>$54,763,800.00</td>
</tr>
</tbody>
</table>

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Analysis and Summary of Expenditure

Recurrent Expenditure refers to the payments for expenses, which are incurred during the day-to-day operations of the Ministry for Personnel Expenditure, Goods and Services, Minor Equipment Purchases and Current Transfers and Subsidies. Recurrent Expenditure for Fiscal Year 2024 is $801,278,260.00.

- Recurrent Expenditure (Revised) for Fiscal Year 2023 was $2,062,722,800.00. Comparing this figure with Fiscal Year 2024, there is a decrease of $1,261,444,540 or 61.15%.

- The largest portion of the allocation has gone to Sub Head 04 Current Transfers and Subsidies for each year between 2018 and 2023 except for 2018. This figure accounted for approximately 86.7% of total funding for the Ministry for fiscal 2024.

- Sub Head 03 Minor Equipment Purchases received the lowest portion of the total allocation for the Ministry over the period 2018 to 2024 overall. The Sub-Head received approximately 0.2% of the Ministry’s total funding for fiscal year 2024.

- Sub Head 02 Goods and Services has received the second largest portion of the allocation over the period 2018-2024, except in 2018, where it received the majority of the allocation. The Sub-Head received approximately 8.85% of the Ministry’s total funding for fiscal year 2024.

- Sub Head 01 Personnel Expenditure received the second lowest portion of the allocation and has been fluctuating over the period 2018-2024. The Sub-Head received approximately 4.26% of the Ministry’s total funding for fiscal year 2024.

- The actual/estimated expenditure for the Recurrent Expenditure over the seven (7) year period, and is at its highest of $2,062,722,800.00 in fiscal 2023 (Revised).
Analysis of Expenditure Unique to the Ministry of Energy and Energy Industries

Unique Expenditure refers to expenditure items incurred by the Ministry of Energy and Energy Industries that may not feature in other ministries or departments.

Transfers to Regional and International Bodies

| Contribution to the Caribbean Energy Information System (C.E.I.S.) | $20,533.00 | $20,537.00 | $20,670.00 | $20,669.00 | $20,501.00 | $21,000.00 | $0.00 |
| T&T Annual Subscription to the Committee of the World Power Conference | $141,229.00 | $136,470.00 | $99,881.00 | $392,944.00 | $62,909.00 | $113,000.00 | $160,000.00 |
| Annual Subvention to Gas Exporting Countries Forum (GECF) | $4,054,320.00 | $4,758,180.00 | $5,097,600.00 | $4,755,100.00 | $5,099,250.00 | $5,780,000.00 | $5,780,000.00 |
| Contribution to the Latin American Energy Organisation (OLADE) | $214,951.00 | $216,224.00 | $225,991.00 | $226,131.00 | $225,735.00 | $242,000.00 | $260,000.00 |
| World Petroleum Council | $24,332.00 | $22,929.00 | $22,923.00 | $26,285.00 | $- | $25,000.00 | $35,000.00 |
| International Renewable Energy Agency (IRENA) | $172,345.00 | $182,338.00 | $52,185.00 | $46,505.00 | $61,098.00 | $90,000.00 | $90,000.00 |
| Extractive Industries Transparency Initiative | $- | $- | $- | $- | $- | $68,000.00 | $70,000.00 |

**Summary of Development Programme Expenditure for the period 2018-2024**

Development Programme is capital expenditure aimed at improving and enhancing development in different areas of Trinidad and Tobago which includes; human resources, economic and social development.

The allocation of $21,103,000.00 for development programmes and projects for fiscal year 2024 are presented in two parts as follows:

- Funds appropriated by Parliament and disbursed directly from the Consolidated Fund total $1,103,000.00 or 5.23%; and
- Funds disbursed from the Infrastructure Development Fund total $20,000,000.00 or 94.77%.

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**Summary of Development Programme Expenditure for the Period 2018-2024**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-sectoral and other services- Consolidated Fund</td>
<td>$1,684,226.00</td>
<td>$15,886,190.00</td>
<td>$2,800,560.00</td>
<td>$-</td>
<td>$-</td>
<td>$3,486,000.00</td>
<td>$1,103,000.00</td>
</tr>
<tr>
<td>Economic Infrastructure- Infrastructure Development Fund</td>
<td>$18,588,150.00</td>
<td>$11,837,614.00</td>
<td>$285,632.00</td>
<td>$-</td>
<td>$-</td>
<td>$5,000,000.00</td>
<td>$20,000,000.00</td>
</tr>
</tbody>
</table>

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Energy / Renewable Energy Alternatives

The Energy Sector remains the primary earner of foreign exchange for Trinidad and Tobago’s economy. The GORTT will therefore continue to explore this resource to sustain the economy while seeking alternative energy sources to meet long-term demand as well as adopting energy efficiency, measures to transition to a greener economy. To this end the GORTT will continue to invest in expanding the energy supply. While a number of renewable energy projects undertaken by GORTT are funded using resources outside of the PSIP, an allocation of $20.5 million in fiscal 2024 will be provided under the PSIP to continue the follow energy initiatives:

Renewable Energy and Energy Efficiency (RE&EE) Initiatives

The GORTT recognizes the value of transitioning the local transportation sector away from internal combustion engines towards electric vehicles (EVs), as an integral strategy for the reduction in Green Greenhouse gas emissions. In this regard, the Ministry of Energy and Energy Industries (MEEI) will undertake the installation of three (3) EV charging stations at the Queen’s Hall, to facilitate the charging of battery electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs). The MEEI will also retrofit the Queen’s Hall perimeter car park lighting with solar LED lighting. The sum of $0.05million will be allocated for this project. Given that the Queen’s Hall is utilized for many cultural and entertainment events, the project will also bring a sense of energy awareness and understanding of solar energy applications and energy conservation, to a diverse cross-section of the population.
Acquisition of Synthetic Aperture (SAR) Radar Systems for the Detection of Oil Spills (Port of Spain and Chaguaramas)

The sum of 0.2million will be allocated for the purchase of the SAR system used for the early detection of oil spills. This will allow for the upgrading of the ICT and contingency costs for the Port of the ICT and contingency costs for the Port of Spain and Chaguaramas radar systems.

Acquisition of an Unmanned Aerial System (UAS) for the Minerals Sector

The sum of $0.4million will be provided for the purchase of Unmanned Aerial System (UAS) for the Minerals Sector. The use of an UAS and supporting software can assist greatly in the monitoring, surveillance and enforcement functions of the Minerals Division of the MEEI, to reduce the occurrence of illegal quarrying. In this regard, the project activities for fiscal 2024 will include the:

- calculation of the volume of minerals removed for the verification of mineral production and computation of royalties owed to the State by licensees;
- monitoring of activity of operators, such as quantification of acreage mined, verifying boundaries between operations and neighbouring State lands and private lands, and computation of damage done to third-party lands by operators; and
- conduct of surveillance in areas with unregulated mining operations.

Dredging of Sea Lots Main Channel and Turning Basin

Heavy siltation of the Sea Lots Main Channel and Turning Basin has posed a challenge for safe navigation of vessels. In this regard, the sum of $20.0 million will be allocated to conduct the following activities:

- removal of approximately 960,000 cubic metres of sediment, which will be dumped in the designated offshore locations;
- removal of debris using a clamshell/grab dredger and disposal of same to an offshore designated dump site; and
- replacement of navigational aids.
## Noteworthy Development Programme Estimates in 2019-2024

The table below lists the projects that have been noted due to uncharacteristic variances in estimates for funding: 23

<table>
<thead>
<tr>
<th>Sub-Item Head Description</th>
<th>Project Description</th>
<th>2019 Actual</th>
<th>2020 Actual</th>
<th>2021 Actual</th>
<th>2022 Actual</th>
<th>2023 Revised Estimates</th>
<th>2024 Estimates</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF 005-06-A003</td>
<td>Renewable Energy and Energy Efficiency Initiatives24</td>
<td>$5,922,266</td>
<td>$16,968</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>$534,000</td>
</tr>
<tr>
<td>CF 005-06-G002</td>
<td>Acquisition of Equipment for National Quarries Co. Ltd</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>$3,486,000</td>
<td>-</td>
</tr>
<tr>
<td>IDF 003-05-D011</td>
<td>Dredging of Sea-Lots Main Channel and Turning Basin</td>
<td>-</td>
<td>$285,632</td>
<td>-</td>
<td>-</td>
<td>$5,000,000</td>
<td>$20,000,000</td>
</tr>
</tbody>
</table>

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23 Draft Estimates of Development Programme 2024.

24 During fiscal year 2020, this allocation was intended to finance three initiatives namely a Renewable Energy Public Awareness Campaign; Installation of Electric Vehicle (EV) Chargers and the purchase of two (2) EVs for the MEEI’s fleet and of a Solar LED lighting programme for the nation’s basketball courts and children’s play parks.
Status of New Projects from the Financial Year 2019

For the financial year 2019, the following new projects were scheduled for implementation under the Ministry of Energy and Energy Industries, and as such require further inquiry on the progress of completion:

<table>
<thead>
<tr>
<th>Sub-Head Description</th>
<th>Project -Item</th>
<th>2019 Actual</th>
<th>2020 Actual</th>
<th>2021 Actual</th>
<th>2022 Actual</th>
<th>2023 Revised Estimates</th>
<th>2024 Estimates</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF005-06-G001</td>
<td>Acquisition of Synthetic Aperture Radar (SAR) for the Detection of Oil Spills</td>
<td>$1,999,999</td>
<td>$2,000,000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>$209,000</td>
</tr>
</tbody>
</table>


26 ‘Synthetic Aperture Radars (SARs) are advanced forms of side-looking imaging radar. A radar is essentially a ranging or distance measuring device. It consists fundamentally of a transmitter, a receiver, an antenna, and an electronics system to process and record the data. The same antenna is often used for transmission and reception. By measuring the time delay between the transmission of a pulse and the reception of the backscattered "echo" from different targets, their distance from the radar and thus their location can be determined. SARs are well suited to surveillance and disaster managements for:

- **Maritime surveillance**: ice detection, oil and ship detection
- **Maritime safety**: ocean wind speed, atmospheric fronts, waves, currents, eddies, internal waves
- **Geology**: accurate measurements of distance (interferometry), surface change, coastal erosion, measuring glacier motions, detecting effect of earthquakes

During fiscal year 2020, one SAR would be placed at Chaguaramas and a second at the Towers in Port of Spain.
Status of New Projects for the Financial Year 2023

The following new project that received funding in the 2023 financial year:

<table>
<thead>
<tr>
<th>Sub-Head Description</th>
<th>Project -Item</th>
<th>2023 Revised Estimate</th>
<th>2024 Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF 005-06-G006</td>
<td>Acquisition of Unmanned Aerial System (UAS) for the Minerals Sector</td>
<td>-</td>
<td>$360,000</td>
</tr>
</tbody>
</table>

Similar Ministries/Departments Internationally

- World Energy Council: https://www.worldenergy.org/
- Natural Resources, Canada: https://natural-resources.canada.ca/home
- Department of Energy, USA: https://www.energy.gov/
- Department of Climate Change, Energy, the Environment and Water, Australia https://www.energy.gov.au/