



Government of The Republic of Trinidad & Tobago



Supplementary Public Sector
Investment Programme 2011



FACING THE ISSUES TURNING THE ECONOMY AROUND

Partnering With All Our People





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FOREWORD

In 2010, the global economy continues to recover from the worst economic downturn which was triggered by the financial crisis beginning in the United States of America in 2007. While the recovery is slow, the stability of the world economy is further threatened by the ongoing debt crisis that has engulfed Europe and has the potential to spread to other regions of the world. The impact on Trinidad and Tobago has not gone unnoticed as in 2009, our economy recorded its first deficit in seven years. For the coming year, Government must therefore seek to pursue policies that would stimulate the urgent resumption of significant and sustainable economic growth. It is in this context that the State Enterprises Sector continues to be a major contributor to the growth and development of the country. For the period October 2009 to March 2010, State Enterprises expended \$3,901.86 million on capital expenditure and the expenditure projected to September 30, 2010 is \$6, 449.15 million. An amount of \$6,725.78 million has been projected for 2011.

The Supplementary Public Sector Investment Programme (SPSIP) provides an outline of the capital programme of Government Agencies (State Enterprises and Statutory Agencies) which are financed by the entities either through retained earnings or borrowing.

The 2011 Supplementary Public Sector Investment Programme includes project from twelve (12) State Enterprises and two (2) Statutory Authorities and covers the following areas:

- Business and Trade Expansion - Energy Sector
- Business and Trade Expansion - Non-Energy Sector
- Electricity
- Tourism
- Transport and Communication
- Education and Training
- Housing and Settlements

An overview of the various developmental programmes undertaken by the Sector in 2010 including a status of these programmes is outlined in the SPSIP for fiscal 2011. Projects earmarked for 2011 are also outlined.

STATE ENTERPRISES

Introduction

The State Enterprise Sector is comprised of fifty eight (58) companies of which forty seven (47) are wholly owned, six (6) majority owned and five (5) in which Government has a minority shareholding.

The fully owned companies increased by one (1) over the last fiscal year with the establishment of the *Trinidad and Tobago Knowledge Asset Management Company Limited (TTKAM)*.

TTKAM is a Special Purpose Company incorporated on November 30, 2009. The objective of the company is to manage all intellectual property in which GoRTT has a controlling interest and to engage in activities including, but not limited to making Intellectual Property (IP) applications, engaging in market research, negotiating technology licences and cross licences, entering into contracts, negotiating royalties instituting legal proceedings against infringers and acquiring the IP rights to complimentary items to enhance a given portfolio of rights.

The TTKAM will have oversight of those companies in which GoRTT has an interest. It is responsible for vetting all contracts for service or development projects for IP content including, but not limited to clauses that clearly identify the manner in which IP issues would be handled and in particular, mechanisms and procedures for deciding "ownership" where new IP is created directly through the project.

These enterprises are involved in the gas and oil industry, infrastructure development, banking and financial services, manufacturing, transport and communication, training and the provision of social services.

As part of its initiative to foster greater transparency, accountability and value for money in the State Sector procurement process the Ministry of Finance introduced eAuction in 2006. Since then, eAuctions has been used in a number of State Enterprises. This new process has proven to be advantageous as it resulted in time saving and economies of scales in the procurement of goods and services.

To date, a total of twenty seven State Agencies have utilized the eAuction process saving a total of TT\$32.1 million on historical prices. More specifically, in 2009 the Ministry of Finance hosted a collaborative State Enterprise e-auction event for the procurement of paper and computers in which twenty-one State Enterprises participated. The event was a tremendous success in which approximately TT\$1.24 Million or 37.8 percent was saved on traditional prices.

As Government move towards full implementation the Ministry of Finance plans to undertake spend analyses and needs assessments which would inform the development of a calendar of events. This streamlined approach is expected to facilitate advance planning to allow for greater participation by State Enterprises. This strategy will solidify Governments objective to create a robust procurement system which exhibits the critical elements of internal control.

Government's equity holding in these enterprises totaled \$7,762.0 million. In financial year 2009, these enterprises realized a total net profit of \$7,385.2 million. The Sector also contributes to the economy through foreign exchange earnings, employment, dividend payments and taxes.

In financial year 2009, Enterprises that contributed significantly to Government's revenue are outlined hereunder:-

Enterprises	Profit Before Tax \$Mn	Corporation Tax \$Mn	Foreign Exchange \$Mn
Petrotrin	5,100.3	2,760.9	31,206.9
NGC	6,070.4	2,410.3	7,189.1
NEL	1,042.1	252.3	
NP	(42.7)	1.0	315.7

Sectors	Profit After Tax 2008 \$Mn
Energy and Energy Based	5,974.3
Financial Services	1, 203.1
Manufacturing and Agro-Based	(12.7)
Services	182.3
Transport and Communication	38.4
TOTAL	7, 385.5

REVIEW OF THE SUPPLEMENTARY PUBLIC SECTOR INVESTMENT PROGRAMME 2010 AND PROJECTIONS FOR 2011

РЕВИЮ НА ДОПЪЛНИТЕЛНИЯ ПУБЛИЧЕН СЕКТОР ИНВЕСТИЦИОННА ПРОГРАМА 2010 И ПРОЕКЦИИ ЗА 2011

Overview

The Supplementary Public Sector Investment Programme (SPSIP) highlights all capital infrastructure projects funded by State Enterprises and Statutory Authorities, either through internally generated funds or loan financing. The State Enterprise Sector will continue to focus on national development in the following priority areas:

- **Economic infrastructure**
 - business and trade expansion
 - electricity
 - tourism
 - transport and communication
- **Social infrastructure**
 - education and training
 - housing and settlements
- **Administration**
 - public order and safety
 - public administration

ECONOMIC INFRASTRUCTURE

Business and Trade Expansion Energy Sector

The National Gas Company of Trinidad and Tobago Limited (NGC)

The National Gas Company of Trinidad and Tobago (NGC) was established in 1975 to purchase, compress, transport and distribute natural gas to industrial users. The company has maintained its corporate responsibilities and has focused on developing the country's resources – its natural gas and its people.

Social Development

NGC continues its support for national development through its comprehensive corporate citizenship programme which includes corporate contributions and sponsorships and a community involvement outreach which places emphasis on those communities which are impacted by the pipeline network. Assistance is given in five (5) categories – arts and culture, education, sport, human and social development and stakeholder relations. Some of the programmes are:

- Contributions under deeds of covenant to NGOs providing social, welfare and educational

services.

- Sponsorship/Contributions to the following: the THA Annual Primary Schools' Agricultural Science Competition, San Fernando Junior Arts Festival (San Fest); NIHERST/NGC National Science Centre; track and field games of Caroni and St. Patrick Education Districts and Moruga zone; Secondary Schools' and Community Basketball; CARIFTA Games; Unsponsored Steelbands.

The Company also assists communities, through its community and economic development programme which focuses on two (2) major areas: facilities development and capacity building.

Capacity building projects are in the form of training in the following areas:

- Plant Process Operator;
- Hyperbaric Chamber Technician;
- Boat Engine Repairs and
- Building Construction Technology.

The company has also established a Public Education Unit to interact with citizens through the establishment of communication centres in communities where major pipeline construction activity is taking place as well as an outreach programme which includes direct visits, exhibits, school tours, project site work and community and youth group meetings to

ensure that impacted communities are educated on natural gas and are aware of what is taking place in their neighborhood.

This programme includes a Community Awareness and Emergency Response Programme (CAER) which commenced in 2008 as a direct response to community stakeholders (who are in proximity to NGC's natural gas installations) wanting to be more educated, trained and prepared with respect to natural gas safety and emergency response.

The programme has adopted a two-pronged approach which targets fence-line schools and communities. In the schools risk assessments followed by emergency response drills are conducted in order to test the response capability. Deficiencies in this regard are highlighted and in several cases, Emergency Response Plans (ERPs) are developed for the schools. This is then followed by the provision of basic emergency response equipment and training for teachers and principals in basic first aid, CPR and fire fighting.

Activities at the community level include:

- 1) Hosting of natural gas and emergency preparedness workshops with target Regional Corporations and the Disaster Management Teams (DMTs).
- 2) Hosting of joint (together with DMTs) community natural gas awareness and emergency response sessions.
- 3) Identifying, selecting and training of community members in Community Emergency Response Team (CERT).
- 4) Conducting a limited scale emergency drill with CERT trained community members.
- 5) Providing CERT emergency survival kits to trained community members.
- 6) Providing follow-up intermediate and advanced CERT training to community members.

Health, Safety and the Environment

Health, Safety and the Environment Issues are a major focus of the company. To this end, NGC has adopted a "no net loss principle" with respect to the removal of forest. Accordingly, the company is re-foresting some three hundred and fifteen (315) hectares of degraded forest at six (6) locations across the Southern region of Trinidad.

To date, the company has replanted 85 hectares of degraded forest with mixed hardwoods and fruit species, which has had a survival rate of 90% which is more than the 80% survival rate benchmark established by the Forestry Division. The Programme is carried out using a community-based approach whereby community groups living closest to the reforestation sites, now known as Community Re-Leaf Blocs, were formed and engaged to execute the reforestation works.

NGC has also established a partnership with the Civilian Conservation Corps (CCC), initially on a pilot basis, at one reforestation site in Mayaro to maintain the reforested site and establish a nursery as a source of supply for NGC's forest plantation. The CCC curriculum includes a module on reforestation in which CCC trainees are expected to participate in practical field activities involving reforestation. This component aims to teach the participants the importance of forests as a functioning eco-system. This reforestation project is fully funded by NGC.

Core Business

NGC continues to play a critical role in the development of the country by expansion of gas-based industries in Trinidad and Tobago. During fiscal 2010, NGC continued work on several projects aimed at improving the infrastructure to support the expansion of the natural gas industry and its transformation into liquefied natural gas (LNG), methanol, ammonia, iron and steel and other gas-based products.

The company is implementing capital projects in excess of \$3.0 billion which are at various stages of development. The projects are all internally managed, utilizing reputable local and international service providers. NGC maximizes the use of local resources where possible.

Major projects under development are:

Transmission Pipeline

- o **North Eastern Offshore Pipeline (NEOP)** - this project involves the construction of a 36" inch diameter offshore pipeline at the North Eastern Offshore (NEO) from BHP Billiton field to the 36" Beachfield Upstream Development (BUD) pipeline. This pipeline opens access to new gas fields where there is an absence of gas pipeline infrastructure. This will allow access to the BHP Angostura and Kairi Plus and the EOG Toucan fields. The completion of this project will create opportunities to develop other marginal fields from lower unit infrastructure development costs and create new source of gas for domestic consumption. Its maximum transmission capacity is approximately 1.25 Bscfd.

The estimated cost of the project was \$2,362.5 million but was revised to \$2,583.0 million. This is due to the increased cost of the 36" HDD activity at Mayaro and the tendered cost for the main offshore pipeline installation work. The project commenced in 2006 and was scheduled for completion in 2010. The revised date for completion is now in the first quarter 2011. Financing arrangement comprises of 80% debt and 20% equity.

The actual expenditure as at 31st March 2010 was \$1,638.09 million of which \$388.39 million was expended over the period October 2009 to March 2010 for detailed engineering and design, procurement of materials, construction of interconnection facilities, surveys, environmental impact assessment and project management

services. The projected expenditure for the period April 2010 to September 2010 is \$819.0 million to be utilized for engineering, completion of procurement of materials, construction of interconnection facilities, project management and pipeline construction.

The project is 75.1% complete compared to planned of 74.7% as at March 2010. The amount of \$126.0 million is allocated for fiscal 2010-2011 for project and construction management, procurement of materials and construction of pipelines.

- o **Tobago Pipeline Project** - The National Gas Company of Trinidad and Tobago Limited (NGC) is in the process of constructing a 12-inch diameter 54 km (33 mile) long subsea pipeline from the BHPB Central Processing Platform in the Angostura Field to Cove Estate, Tobago to supply gas to meet the island's long-term domestic needs and to provide additional transportation capacity for third parties.

NGC has the responsibility for procurement of all goods and services for this project and is required to secure loan financing for the project.

The estimate cost of the project was \$976.5 million but was revised to \$1,102.5 million due to higher tendered cost for the main offshore pipeline installation work. The project commenced in 2008 and is scheduled for completion in the first quarter 2011. Financing arrangements comprise of 80% debt and 20% equity.

The actual expenditure as at 31st March 2010 was \$593.54 million of which \$254.77 million was expended over the period October 2009 to March 2010 for engineering and design, procurement of materials and project management services. The projected expenditure for the period April 2010 to September 2010 is \$441.0 million to be utilized for engineering, completion of procurement of materials, project management services and pipeline construction.

The project is 77.10% complete compared to planned of 73.40% as at March 2010. The amount of \$68.0 million is allocated for fiscal 2010 – 2011 for project and construction management, procurement of materials and construction of pipes.

Distribution Pipelines and Related Facilities

- o **Pipeline to Union Estate** - NGC is constructing a gas supply pipeline to the Union Estate as well as an extension of the gas supply pipeline to La Brea Industrial Development Company Limited (LABIDCO) for light industrial users. NGC commenced the construction of an 11 km, 24", diameter spur pipeline, inlet pressure control, and metering and regulation control to deliver 250 mmcf from the 24" NCMA BG pipeline at Guapo Bay to Union Estate. NGC is also constructing a low pressure plastic line from Union Estate to LABIDCO estate to service prospective customers on the Estates. Pipes for the construction of the pipeline and a number of large bore valves have already been procured and were received. The design for the low pressure plastic line from Union Estate to LABIDCO estate to service prospective customers on the Estate is to be revised based on new gas demand for the LABIDCO Industrial Estate.

The estimated cost of the project was revised to \$267.0 million. The scope of the project was redefined in 2008 to provide for an alternate supply of gas off the 56" CIP. NGC is funding this project from internally generated funds.

Actual expenditure incurred for the period October 2009 to March 2010 was \$22.37 million. The projected expenditure for April 2010 to September 2010 is \$159.0 million which will be utilized for engineering, design, equipment, procurement, completion of pipeline and facilities construction. Completion of pipelines,

gas facilities and commissioning is anticipated in 2010.

- o **Pipeline to e-Teck Wallerfield** – This is the construction of a 3 km 6" supply line and a 10 km 6" low pressure distribution network in the e-Teck Tamana Park, Wallerfield to supply light industrial customers.

The project involves the extension of a 6" Mahaica pipeline via a spurline to supply up to 2.5 mmcf. A second phase would involve the construction of an 18" to 20" pipeline from Phoenix Park to Wallerfield at a future date.

The first phase was completed in February 2010. The estimated cost of the project was \$10.8 million and was revised to \$20.0 million. The project is funded from internal funds and will be constructed over the period 2006 to 2010. Expenditure to March 2010 was \$12.0 million and it is projected that \$7.97 million would be incurred between April to September 2010. Construction is substantially completed and the project is expected to be completed by the second quarter 2010.

- o **North West Peninsula Phase III to Diamond Vale** - NGC proposes to construct a 6 km 6" diameter pipeline from Westmoorings to e-Teck's Diamond Vale Industrial Estate to supply natural gas to light industrial users.

The estimated cost of the project was \$27.6 million and was revised to \$28.3 million. The invitation to tender for construction will begin in the second quarter 2010. Expenditure incurred as at March 2010 was \$6.96 million and \$21.34 million projected to be incurred.

The estimated completion time is January 2011.

- o **Pipeline to Longdenville** – This is the construction of a pipeline to replace an existing line to supply light industrial users. The project commenced in 2007 and is scheduled for completion in the first quarter of 2011. The estimated cost of the

project was \$16.0 million and this was revised to \$17.5 million.

Actual expenditure incurred during the period October 2009 to March 2010 was \$1.70 million for procurement of materials and supply of pipe. Construction works is proposed to commence in August 2010. The estimated completion time would be the first quarter 2011.

- o **Pipeline to Gulf City/Otaheite** - This project involves the construction of a 6" natural gas pipeline network to supply customers at Gulf City, Otaheite and San Fernando. The estimated cost of the project is \$7.0 million. This project has been deferred.
- o **Pipeline to Ammonia, Urea and Melamine (AUM) Plant** – This project consisted of the construction of pipelines to supply the AUM complex and construction of stations for the delivery of gas to the upstream and downstream sides. The AUM complex is divided into two (2) separate sites within the Point Lisas Industrial Estate. The ammonia plant which requires 70.7 mmcf/d will be located on the N2000 compound and will be supplied by 12" pipeline whereas the downstream plant will be located west of the Atlas Methanol Plant and will be supplied by a 6" pipeline.

The cost of this project was \$10.3 million and was financed by internal funds. As at December 31, 2009, \$9.4 million was expended. Project engineering, design, environmental approval, procurement, pipeline & meter station construction and commissioning at both sites were completed in the first quarter of 2009. The connection of the Upstream and Downstream meter stations to the SCADA system was completed in December 2009.

- o **Pipelines to Small Customers** - NGC continued the construction of pipelines to supply small consumers on several projects. An amount of \$1.9 million is allocated to carry out works on the

Natural Gas Supply to Couva Secondary School- this project is estimated to be completed by the third quarter of 2010.

An amount of \$1.9 million was allocated to carry out works on the Natural Gas Supply to Marabella Secondary School. As at March 2010 expenditure incurred was \$0.88 million - this project is estimated to be completed by the third quarter of 2010.

Modification Work

- o **Phoenix Park Valve Station Upgrade** - The project involves the construction of a new 4000 Barrel Slug Catcher and Liquid Handling Facility which will provide cleaner fuel and provide a more reliable gas supply. This upgrade includes the design and installation of an above-ground slug catching system and a flare system to burn all waste gas currently vented during pigging operations as well as to improve the condensate holding facilities.

The estimated cost of the project was \$197.4 million but was revised to \$450.5 million due to scope growth. The project commenced in 2006 and was scheduled to be completed in 2009. However, due to delays in obtaining the final design for the facility, the completion date was revised to March 2011. This project is being financed from internal funds.

Actual expenditure incurred for the period October 2009 to March 2010 was \$25.9 million. Expenditure projected for the period April 2010 to September 2010 is \$114.0 million and \$124.95 for fiscal 2011. Construction would commence in 2010 with pre-commissioning and commissioning scheduled for March 2011.

Projects

- o **Investment in Air Conditioning Plant** - NGC launched its Build, Own, Operate and Transfer

(BOOT) Programme to pioneer the use of natural gas for gas cooling. The company earmarked the eTeck's Wallerfield Eco Park for its pilot Air Conditioning Cooling Project. The Park is intended to attract light manufacturing companies. A modular district cooling plant utilizing gas fired air condition is to be established. The estimated cost of this project is \$60.0 million. Funding for this project will be provided by eTeck. Following its Tendering process, eTeck awarded a contract to Energy Dynamic Limited (EDL).

- o **New Pipeline and Metering Station to Petrotrin** - NGC proposes to replace the existing Petrotrin metering station which presently supplies 65-75mmscfd of natural gas with one with a capacity of supplying 110mmscfd to meet the expected increase in demand of 25mmscfd from the World Gas to Liquid Plant plus 10%.

The estimated cost of the project is \$11.0 million. Expenditure incurred as at March 2010 was \$4.16 million and projected expenditure for April to September 2010 is \$6.72 million. Financing is provided from internal funds. The project is expected to be completed by the third quarter of 2010.

- o **Pipeline and Metering Station to Trinidad Generation Unlimited** - NGC has a commitment to supply Trinidad Generation Unlimited with 150mmscfd of natural gas at their Union Industrial Estate facility. As a result the company has undertaken to construct a Pipeline & Metering Station to the Trinidad Generation Unlimited facility.

The estimated cost of the project is \$8.0 million. Expenditure incurred as at March 2010 was \$0.93 million while that projected for the period April 2010 to September 2010 is \$7.0 million. Financing is provided from internal funds.

- o **Pipeline and Metering Station to Carisal Unlimited's Chlor Alkali Plant** - NGC is contracted

to supply a DCO (Daily Contract Quantity) of 8mmscfd to the Carisal Unlimited's Chlor-Alkali Plant and therefore proposed to construct a Pipeline & Metering Station to the Plant. The estimated cost of the project is \$4.5 million. Expenditure incurred as at March 2010 was \$0.85 million while \$1.09 million is projected for April to September 2010 and \$2.55 million for 2010. The major expenditure will be incurred in 2011 since the consumer does not require supply until the second quarter 2011.

- o **Natural Gas supply to Air Liquide Limited** - This is the construction of a pipeline and metering facility to provide natural gas for feedstock. The gas would be supplied from a tap of an existing 254mm diameter main supplying gas to consumers along Caribbean Drive, Point Lisas. Financing is provided from internal funds. The estimated cost of the project is \$0.9 million. Expenditure incurred to March 2010 was \$0.14 million and projected expenditure for the period April 2010 to September 2010 is \$0.76 million. Construction is scheduled for completion in October 2010.
- o **Metering Facility to Flagship Tamana** - This involved the construction of a pipeline and metering facility to provide fuel. The gas will be supplied from Tamana Park Ring main. Financing was provided from internal funds. The cost of the project was \$0.1 million. An amount of \$0.071 million was expended over the period October 2009 to March 2010. Construction is completed and the company is awaiting approval from the client for commissioning.

Financial Capital

- o **Jamaica LNG Gas Terminal** - This project involves the supply of natural gas to Jamaica. The expenditure for the project would be apportioned between Petrojam of Jamaica and NGC on a 60% to 40% ratio. No expenditure

anticipated for fiscal 2010 as NGC's involvement was terminated.

- o **Pipeline to the Eastern Caribbean** – This is the construction of a pipeline facility to service the Eastern Caribbean. NGC holds 10% equity in this project and would utilize internal resources to finance its equity contribution. Project development works are ongoing. A new partner Beowulf is expected to assume 60% equity by June 2010. NGC's cash call for 2010 is estimated at US\$300,000.

National Energy Corporation of Trinidad and Tobago Limited (NEC)

NEC is a wholly owned subsidiary of NGC. The company is responsible for developing and managing the marine assets at Point Lisas and managing the La Brea Industrial Estates. NEC is assisting NGC in attracting new investors to Trinidad and Tobago. The company is involved in transforming Union Estate at La Brea into world class industrial parkland for the location of large-scale energy plants.

NEC is also involved in the promotion of associated downstream industries. The company also provides marine and infrastructure facilities for new and existing investors.

In 2010 the company is pursuing the following projects:

- o **Savonetta Pier** - NEC has allocated \$5.8 million towards improvement works to be undertaken on the Savonetta Pier facilities so as to accommodate vessels and handle cargo. Work is expected to be conducted during the 2nd and 3rd quarters of 2010 at a projected cost of \$5.8 million.
- o **Porta Cabin** - NEC plans to acquire three (3) Porta Cabin at an estimated cost of \$0.15 million by the 2nd quarter of 2010. These Cabins will be placed at the Tug Mooring Facility; two (2) will

be used as on-site offices and the other will be utilized as a workshop and storage facility.

- o **Dry docking** - NEC has scheduled the dry docking of the Tug named NEC Expressed, for major overhaul of its main engine. The estimated cost of this project is \$3.5 million. The project is scheduled for implementation over the 2nd and 3rd quarters of 2010. Financing will be provided from internally generated revenue.
- o **Other Projects** - Tug Mooring Facilities; Furniture and Computer; Machinery and Equipment – An amount of \$4.5 million was allocated towards the upgrading of the Mooring facilities at Point Lisas so as to accommodate the three Porta Cabins and to store ship spares and to undertake maintenance work on NEC's vessels. It also includes the acquisition of furniture, office equipment, computer hardware and software and to replace/acquire equipment for the operations of the company. Expenditure incurred as at March 2010 was \$3.29 million and \$1.16 is projected for the period April to September 2010.
- o **Union Industrial Estate** - NEC allocated \$51.50 million to be utilized in the construction of access roads, drains and service lines to accommodate additional tenants on the south side of the estate. Rehabilitation works will also be undertaken to prevent flooding of the Alutrint site and further erosion and siltation of the Vessigny River. Work is expected to be undertaken during the 2nd and 3rd quarter of 2010 at a cost of \$51.50 million.

For fiscal 2010-2011, NEC will continue to implement the following projects:

- o **Navigational Aids - Channel Marker** – an amount of \$0.19 million has been allocated for the acquisition of one (1) Channel Marker in the second quarter of 2010.
- o **Tugs and Launch-Acquisition of two 55-ton Bollard Pull Stan Tug** - the scope of works entails the acquisition of two (2) tugboats for additional

towage services and a launch to transport customs officials, agents, pilots and other passengers to and from vessels. The addition of these tugs will meet the increased demand for tug services resulting from the new industrial estates and the increased regional demand. The estimated cost of the Tugs and launch is \$104.3 million; this was revised from \$72.5million. This purchase is expected to be completed by December 2010.

- o **Brighton Port - Alutrinc Material Storage & Handling Facilities** – this project involves the construction of the material storage yard and handling facilities for the smelter plant. This includes all equipment, infrastructure and other facilities for the transfer of raw materials and finished product to and from the smelter plant. The estimated cost of this project is \$600.0 million to be financed by debt to equity ratio of 80% to 20%. An amount of \$350.11 million is expected to be expended in fiscal 2009-2010 and a projection of \$142.00 million in 2011. The project is expected to be completed by the end of 2010.
- o **Conveyor System** - the scope of this project includes the construction of conveyor system for the transport of raw material and finished product to and from the smelter plant; however this has not yet been finalized. The estimated cost of this project is anticipated to be \$170.0 million.

La Brea Industrial Development Company Limited (LABIDCO)

LABIDCO is owned 83% by NGC and 17% by PETROTRIN. The company provides industrial land for leasing, lay-down and fabrication yard facilities, bio-remediation, and port and dock services at the La Brea Industrial Estate and the Port of Brighton. The company also offers developed sites and infrastructure which includes a three hundred and

eighty (380) acre block of developed lands which could accommodate eighteen (18) tenants.

LABIDCO offers customers facilities including a twenty five (25) acres fabrication yard facility with a seventeen (17) acre common yard space and a four (4) acres block for long term leasing. The Port of La Brea has a natural deep water harbour which has been developed to a dock length of 300 metres with a dredged depth of 12.5 metres and a capacity to handle up to 3,000 tonnes on a platform accommodating vessels up to 220 metres length all over (LOA). The La Brea Industrial Estate provides opportunities for skilled and semi-skilled construction labour including welders and fabricators, crane operators, riggers and quality control inspectors.

In 2010, LABIDCO continued to implement the following projects aimed at upgrading the infrastructure facilities at the La Brea Industrial Estate:

- o **Access Roads Development of Site** – Installation of 2,600 metres of access roads with drainage as new tenants take up occupancy of the industrial estate. The project is expected to be implemented in the 2nd and 3rd quarters of 2010 at an estimated cost \$8.0 million
- o **Well Re-abandonment** – the scope of works aim at addressing the oil seepages on the estate and includes the capping of abandoned wells to reduce contamination and prevent environmental issues. There are six (6) leaking wells/clusters on the estate that have to be capped. Capping will contain the effluent of oil and gas and remove the hydrocarbon contamination on a periodic basis. The estimated cost of works is \$8.00 million. The project will be implemented in the 2nd and 3rd quarters of 2010.
- o **Office Equipment/Computer/Furniture and Fixtures/Machinery and Equipment/ Vehicles** – LABIDCO had allocated an amount \$1.1 million in fiscal 2009 to acquire five (5) computers,

a pool vehicle, furniture and fixtures and miscellaneous office equipment. However, acquisition was deferred. An amount of \$0.2 million was allocated in fiscal 2010 for the acquisition of machinery, equipment, furniture, and computers.

- **Construction of Walkway** - The development of an access way for pedestrians at the port is estimated at \$0.35 million to be funded from internal funds. The walkway is to be constructed over the period April to June 2010.
- **Acquisition of Navigational Aids** – an amount of \$0.7 million was allocated for fiscal 2009 to purchase (2) two new navigational aids. This was revised to \$0.60 million in 2010. Funding will be provided from internally generated revenue.
- **Automated Barriers** - an amount of \$0.3 million is allocated for fiscal 2009-2010 to install automated barriers at the main entrance to the Port facility to improve the safety system. Funding will be provided from internally generated revenue. The barriers are to be installed in 2010.
- **Re-construction of La Brea Berth # 2** – The scope of the project includes the construction of a Load-Off Platform at Berth #2 to be completed in the 3rd quarter of 2010 This structure is intended to be utilized for general commercial shipping activities and would also serve as a specialized Load-Off section for the load-Out of the rig structures that are being fabricated in LABIDCO's Fabrication Yard. An amount of \$35 million has been allocated for 2010.
- **International Ship and Port Facility Security Codes (ISPS)** – A provisional sum of \$0.20 has been provided in 2010 for infrastructure development works to maintain certification status in accordance with the ISPS codes.
- **Lighting at the Fabrication Yard Facility** – A provision of \$0.10 million has been made to install lighting at the Fabrication Yard. Expenditure is expected to be incurred in the third quarter of 2010.
- **Catholic Protection** – A provision of \$1.0 million has been made in 2010 for the Catholic Protection of the Dock Facility in order to maintain its integrity.
- **Marine Fenders** – An amount of \$1.0 million has been allocated in 2010 for the purchase and installation of additional fenders to allow for maximum utilization and safe mooring and occupancy of vessels along the entire 300m of berth space.
- **Drains Corridor/Upgrading of Drains** – An amount of \$3.2 million has been allocated in fiscal 2010 for the completion of the drainage network on the estate, in addition existing drains need modification because of the modified occupancy/patterns and alterations to the original layout of the estate. As at March 2010 \$1.0 million was incurred and \$0.80 is expected to be spent in the period April to September 2010.
- **Corridor Lighting** - An amount of \$1.1million was allocated in fiscal 2009 – 2010 for the installation of lighting along the corridors of the estate to improve security. This project has been postponed.
- **Surveying/Cadastral & grading of lots/land preparation** – This project involves the Commissioning of Surveys to reflect changes in the layout of the estate. An allocation of \$3.5 million was provided for fiscal 2009 to prepare cadastral sheets for alteration of the original layout to document changes and grade the steep slopes at the southern end of the estate to allow easy access and occupation for new tenants. The amount was revised to \$0.1 million in fiscal 2010. This project has been postponed.
- **Administration Building** - an amount of \$1.0 million was allocated in fiscal 2010 to undertake design works for the construction of a new administration complex to accommodate staff from companies located at Labidco and Union Estate. This project has been postponed.

Petroleum Company of Trinidad and Tobago Limited (PETROTRIN)

The energy sector forms the bedrock from which the economy of Trinidad and Tobago is based. Petroleum Company of Trinidad and Tobago Limited (PETROTRIN) through its predecessor companies have been in the oil and gas business for over one hundred (100) years. The company operates both on-land and off-shore, its principal activities are to explore for, produce, refine, manufacture, buy and sell petroleum and natural gas and otherwise deal in crude oil, natural gas and petroleum products.

Refining and Marketing

Gasoline Optimisation Programme

PETROTRIN has embarked on one of its main projects, the Gasoline Optimization Programme (GOP) to bring cleaner and more environmentally friendly transport fuels to the regional and international markets. This project will impact positively on profitability and viability of the company's future operation and enable the company to meet international standards. When completed, the GOP will place PETROTRIN as one of the premier suppliers of quality, environmentally friendly gasoline in the region. Benefits of the GOP include:

1. An increase in finished gasoline yield of approximately 40%. This is at the expense of unfinished gasoline and vacuum gas oil and purchased isobutanes.
2. An improvement of the quality of the gasoline pool in terms of an increase in the Motor Octane Number (MON) and a reduction in the Benzene and Sulfur content.
3. An overall improvement in the premium product yield and concurrently a decrease in intermediate refined product yield
4. Improved energy efficiency and environmental compliance

5. Economic maintenance of throughput at 168,000 barrels per day (bpd)

The GOP involves the construction of five (5) new Plants at the Point-a-Pierre Refinery as follows:

1. Fluid Catalytic Cracking Unit
2. Isomerisation Unit
3. Continuous Catalytic Regeneration Unit (CCR) Platforming Unit
4. New Alkylation Unit/Sulphuric Acid Regeneration Unit
5. Utilities and Offsites – New Boilers and Associated Works

PETROTRIN issued a US\$600.0 million Bond in 2006 to finance this project. The total estimated cost of the Gasoline Optimisation Programme (GOP) increased due to the expansion in the scope of works and increases in the prices of materials and equipment. The overall cost was revised to \$8,185.3 million. PETROTRIN issued another Bond in the amount of US\$850.0 million in August 2009 to finance the GOP as well as the Ultra Low Sulphur Diesel Plant.

The GOP required the implementation of the projects by specialized international EPC contractors and the manufacture/supply of equipment and materials from international vendors. Accordingly, a full time Project Management Services Contractor was engaged to manage the programme.

The status of the GOP projects is as follows:

1. Project Administration - Project Management of Engineering Procurement Construction/ Engineering Procurement and Construction Management (EPC/ EPCM) which was estimated at \$192.5 million was revised to \$395.7 million. Bechtel International Inc. is providing Project Management Consultancy services for the project. This project was scheduled for implementation over the period 2004 to 2009, however was revised to 2010.

Expenditure over the period October 2009 to March 2010 was \$22.97 million taking total expenditure as at March 2010 to \$314.96 million. Project Management Services for the EPC and EPCM contractors are continuing. An amount of \$30.0 million is allocated for the remainder of fiscal 2010 and \$50.7 million projected for 2011.

2. Fluid Catalytic Cracking Unit (FCCU) - the upgrade of this unit will increase capacity from 26,000 barrels per standard day (bpsd) to 35,000 bpsd converting a higher percentage of vacuum gas oil to gasoline and enabling PETROTRIN to produce a better quality gasoline with improved octane ratings from 81 MON to 83 MON. Other benefits include reduced compressor maintenance levels due to reduced carbon monoxide and particle emissions.

The estimated cost of this project was \$905.5 million but was revised to \$2,224.4 million. The project commenced in 2004 and was scheduled for completion in 2007. It has been extended to 2010 due to changes to the original schedule arising from significant increase in scope of works of the FCCU. This was required to ensure compliance with the new engineering codes.

For the period October 2009 to March 2010 the sum of \$342.3 million was expended taking total expenditure to \$1,477.9 million. An amount of \$360.0 million is allocated for the remainder of fiscal 2010.

The project is approximately 74.9% completed. For fiscal 2011 pre-construction work will continue with the major upgrade works occurring at a cost of \$386.5 million.

3. Isomerisation Unit – a new Isomerisation Unit was constructed to provide the octane for light gasoline. This product is an environmentally friendly blending component that will enhance the motor gasoline pool, enabling PETROTRIN to compete in premium markets. The unit will also reduce hydrogen export to the fuel system, thereby taking more hydrogen available for reaction processes.

The original cost of the Isomerisation Complex was \$475.9 million but was revised to \$546.4 million. This

project commenced in 2004 and was scheduled for completion in 2008; however the implementation schedule was revised in 2009 due to an increase in the scope works.

For the period October 01, 2009 to March 31 2010 an amount of \$2.4 million was expended taking the total expenditure to \$524.3 million. An amount of \$1.0 million is allocated for the remainder of fiscal 2010 (to September 30, 2010). Start up and commissioning of the unit was completed and the unit is in commercial production, however a provision was made for the final resolution of any claims and contractual issues.

4. New Continuous Catalyst Regeneration (CCR) Platforming Unit – this is a 27,800 barrels per standard day (bpsd) Platformer unit which provides for a higher yield of higher octane gasoline. This improves octane rating from 86 MON to 90 MON.

Additional benefits include reduced operating and maintenance costs, improved product yield and quality, better environmental compliance and increased hydrogen production.

The estimated cost of the project was \$665.9 million but was revised to \$1,383.0 million. This project commenced in 2004 and was scheduled for completion in 2009.

The project is 99.63% completed. Total expenditure as at March 2010 was \$1,270.9 million. An amount of \$20.0 million is allocated for the remainder of fiscal 2010 and \$92.0 million projected for 2011.

5. New Alkylation Unit/Sulphuric Acid Regeneration Unit - a new 10,000 bpsd Alkylation Unit will replace the existing 1,800 bpd Alkylation Unit increasing gasoline production to accommodate the increase feedstock generated by the upgraded FCCU. The Alkylation product is a premium-high cetane, environmentally friendly gasoline blending component which will add to the pool of high-octane gasoline, assisting to maintain an increased refined product market share and eliminate the need for better storage and shipping facilities for

LPG. The existing 60 tonnes per day (tpd) Acid Plant is to be replaced with a 215 tpd unit which will support the operating of the new Alkylation Unit and provide for sales to the domestic market.

The estimated cost of the project was \$586.5 but was revised to \$1,952.0 million. For the period October 31, 2009 to March 31, 2010 an amount of \$172.2 million was expended taking total expenditure to \$1,669.6 million. An amount of \$120.0 million is allocated for the remainder of fiscal 2010 and \$162.5 million is projected for 2011. The project is 97.4% completed.

6. Offsites and Utilities (O&U) – detailed engineering was undertaken by the EPC contractors for all the plants which identified the full requirement of the Utilities and Offsites on a phased basis. Some new items of work includes:

1. API Separator;
2. Cooling Tower;
3. Water Storage Tanks;
4. Gasoline Storage Tanks;
5. Gasoline Loading Line – on land and submarine;
6. Bulk Electrical Sub-station and Transmission Lines.

The scope of works was significantly higher than originally conceptualized. Accordingly, the original estimated cost of US\$189.0 (TT\$1,190.7) million was revised to US\$ 270.6 (TT\$1,705.0) million. This project commenced in 2004 and is scheduled for completion in 2010.

The overall project is 81.29% completed. For the period October 2009 to March 2010 an amount of \$248.1 million was expended taking total expenditure to \$1,107.1 million. An amount of \$300.0 million is allocated for the remainder of fiscal 2010 and \$281.3 million projected for 2011.

Ultra-Low Sulphur Diesel Plant

The Construction of the new Ultra Low Sulphur Diesel (ULSD) Unit is part of Petrotrin's Clean Fuels Upgrade Programme and its continuing effort to improve the profitability of the Pointe-a-Pierre (P-a-P) Refinery to meet the challenges of ever tightening product specifications. The construction of the new ULSD Plant will therefore enable Petrotrin to meet stringent new diesel quality specifications (sulphur and aromatics) in the local, regional and international markets.

The Ultra Low Sulphur Diesel Unit is designed to process 40,000 BPSD (barrels per stream day) of diesel boiling range feed-stocks to produce a diesel product that will reduce:- sulphur content from >1000 ppm to 8 ppm; aromatics from >45% to <25%; and the Cetane Number from 41 to 50. This is consistent with the most stringent current and forecasted future on-road fuel specifications.

The Basic Engineering Package, the Front End Engineering Design Package as well as the Basic Engineering Package for the Outside Battery Limits (OSBL) were completed in 2009.

At the end of September 2009, a contract was signed for Project Management Services with SNC-Lavalin. In November 2009, the Engineering, Procurement and Construction (EPC) contract was awarded to Samsung Engineering Company Limited.

Site Preparation works began in 2009 and continued into the first half of 2010. The EPC contractor is expected to mobilize for construction by mid- 2010. The Engineering and long-lead procurement phase of the project began in January 2010.

The cost of the project was revised from \$1,081.4 million to \$2,469.6 million. Expenditure as at March 2010 totaled \$251.5 million. Projection of expenditure to September 2010 is \$ 471.0 million while \$1,749.10 million is projected for 2011.

Gas To Liquid – World GTL Trinidad

PETROTRIN partnered with World GTL Inc to construct a diesel plant at Point-a-Pierre by relocating a Methanol Plant from Delaware City, USA a hydro-cracker from a Texaco refinery and an amino unit from Mexico. This is a monetization and upgraded diesel pool with the implementation of a gas to liquids plant. This Plant will have the capacity to process 22 million standard cubic feet per day (mmscfd) of natural gas and produce 1,800 barrels per day (bpd) diesel for use in blending products for the local market.

The Plant is currently in Receivership and the Receiver is progressing works aimed at providing assurance on Integrity and Process and Technology.

Expenditure incurred as at March 2010 amounted to \$1,123 million. A Level 2 cost and schedule estimate for the plant's completion is being prepared.

Exploration and Production

Petrotrin's upstream operations include operated and non-operated assets onshore and offshore Trinidad. The operated assets include the Trinmar offshore fields located in the Gulf of Paria to the southwest of Trinidad as well as its onshore fields across the southern portion of the island. The non-operated (or joint venture) assets are located onshore in the southwestern portion of the island and off the north, east and west coasts of the island.

The company's upstream operations are managed by the Exploration and Production (E&P) Division, which is organized into three main functional areas; Exploration & Development, Production Operations and Joint Ventures. The E&P Division is therefore responsible for operating Petrotrin's own-operated fields (both onshore and offshore), conducting exploration and development activities and managing Petrotrin's interests in its various joint ventures.

The main responsibilities of each sub-functional area are as follows:

1. Exploration and Development

- To provide technical expertise, services and support to optimize returns from the upstream assets through reserves addition and economically and technically sound exploration and exploitation activities as well as in upstream asset monetization. This sub-division is also focused on improving operational efficiency, including expansion and optimization of Enhanced Oil Recovery (EOR) projects and improving access to technical data.

2. Production Operations

- To maximize production from the Company's own-operated assets, the Land and Trinmar fields, at optimal operating cost in conformance with acceptable Health, Safety & Environment (HSE) practices, standards and legislation.

3. Joint Ventures

- Commercialisation of potential and new joint ventures and the management of Petrotrin's interest in the various existing joint ventures, including Lease Operatorships, Farmouts and Incremental Production Services Contracts (IPSC).

In 2010/2011, the focus will continue to address HSE issues in all areas of the upstream operations with the aim of achieving compliance with applicable regulatory standards and legislation and ensuring a safe working environment. In this regard, implementation of Process Safety Management (PSM) practices will be incorporated into the entire E&P operations. Particular focus will also be placed on addressing reliability and capacity issues related to our production facilities in the Trinmar operations, improving operational efficiency and reducing operating costs in all areas in order to maintain a viable upstream business.

Some of the major projects earmarked for implementation are as follows:

1. Seismic Acquisition – Land

It is intended to continue this project so as to acquire approximately 250 km² of 3D seismic data over the core land areas in order to improve the sub-surface geology and reservoir engineering models for future exploration/exploitation drilling. With the current dataset, most of the easy locations have already been drilled and the remaining potential areas have more complex geology, requiring new data in order to improve future drilling results.

In 2009/2010, an amount of \$175.0 million was provided for this project. As at March 2010, \$2.4 million was expended. Seismic permitting contracts have been awarded and permitting is ongoing. Public consultations began in March 2010 and are ongoing. The project is expected to continue into 2011 and an estimated \$273.0 million is anticipated to be spent during the period April 2010 to September 2011. Financing will be from internally generated revenue.

2. Development Drilling

Petrotrin annual drilling programmes are aimed at increasing production and adding new oil and gas reserves. These programmes are to be financed from internally generated revenue.

The planned programmes are as follows:

- o **Trinmar Soldado** – for fiscal 2009-2010, an amount of \$50 million was provided to recommence primary development drilling during the last quarter of fiscal 2010. As at March 2010, no expenditure was incurred on drilling in Trinmar.
- o **Land Primary Drilling** – in fiscal 2009-2010, an amount of \$30 million was provided for primary development drilling. Expenditure is expected to be incurred by September 2010.

- o **Land EOR Development Drilling** - an amount of \$40 million was provided for EOR development drilling. Drilling commenced on 6th March 2010 and as at the end of March 2010, the second of twelve EOR wells was being drilled. Expenditure was \$3.4 million. The balance of \$36.6 million is projected to be spent by September 2010.

3. Installation of sub-sea lines using coiled pipe technology

This project involves installation of 2-inch to 5-inch sub-sea pipelines in the Trinmar acreage using coil tubing technology and continues from previous the year. From inception, a total of eight (8) lines have been installed out of the planned thirteen (13) lines. Work was suspended for most of the first half of 2010 but resumed in February 2010; however inclement weather/sea state conditions have further impaired progress.

As at March 2010, \$35.2 million was expended and an estimated \$23.40million has been projected to September 2010 for completion of the project.

4. New Reserves Type Workovers (NRTs)- Trinmar

This project is estimated to cost \$27.3 million. As at March 2010, five (5) jobs were completed at an expenditure of \$2.3 million. It is expected that \$25.0 million will be expended in 2011.

5. New Reserves Type Workovers (NRTs)- Land

This is estimated to cost \$14.5 million. As at March 2010 twelve (12) jobs were completed at an expenditure of \$2.5 million. It is expected that \$12.0 million will be expended in 2011.

6. SWS Fixed Process Platform.

The revised estimated cost of the project is \$475.0 million to be expended over several years in various

phases. An amount of \$30 million was provided in 2009-2010 to facilitate reactivation of existing wells as Phase 1. However, work on this project was deferred pending ongoing Joint Venture (JV) efforts. No expenditure was incurred.

7. Well Conversions – Trinmar

To convert producing wells from one form of artificial lift to another more efficient form of lift. The conversions would mainly be from gas lift to pump. The project is estimated to \$16.3 million. As at March 2010, one (1) conversion was completed with an expenditure of \$1.3 million.

For fiscal 2011 an estimate of \$15.0 million is expected to be provided to convert approximately eight (8) to ten (10) wells.

8. Block 22 Joint Venture

The estimated cost of this project is \$41.7 million was provided for studies for exploration prospects and for development options for Cassra. As at March 2010, the Operator, Petro-Canada, had placed its Trinidad assets, including Block 22, for sale. Technical work was therefore reduced to a minimum and expenditure was \$1.7 million.

For 2011 an estimated amount of \$40 million is expected to be provided for technical studies to source markets and develop recent discoveries, once new JV ownership arrangements are finalized.

9. TSP Joint Venture

This project is estimated to cost \$109.5 million for Geological & Geophysical studies, technical support, ordering of long lead items for drilling wells and upgrade of facilities. As at March 2010, technical studies and facilities upgrades (Samaan Compressor, water handling project and safety systems) were ongoing and an expenditure of \$9.5 million was incurred.

For 2011 an estimated \$100 million is expected to be provided for Platform development drilling and infrastructure upgrades.

10. Central Block Joint Venture

The estimated cost of this project is \$228.80 million for studies to develop Baraka and Baraka East fields, facilities upgrade and for compressor installation. As at March 2010, technical studies were ongoing and the Partners had approved the Baraka Tie-In and Compression (BTIC) project, which includes developing Baraka and Baraka East fields and installation of compression at the Carapal Ridge facility. Expenditure incurred as at March 2010 was \$161.50 million.

For 2011 an estimated amount of \$127.30 million is expected to be provided for installation of compression facilities at the Carapal Ridge plant and Baraka/Baraka East Development.

11. NCMA Joint Venture

The estimated cost of this project is \$964.40 million. Expenditure incurred as at March 2010 totaled \$681.4 and \$188.4 million to September 2010 is projected. The company continues to address Hazop issues related to implementation of the Hibiscus compression project. Three (3) of four (4) planned wells on the Poinsettia platform for Phase 3c development has been drilled and completed; the fourth well was spud on March 15, 2010. The two (2) planned deeper Hibiscus platform wells for Phase 3d were also drilled and completed.

For 2011 an estimated amount of \$64.50 million is expected to be provided for installation of gas compression facilities at the Hibiscus Platform.

12. Block 1A Joint Venture

The estimated cost of this project is \$31.30 million of which \$25.20 million was provided in fiscal 2010

to undertake studies for development options and FEED for development of the Iguana/Zandolie discoveries. As at March 2010, the Operator, Petro-Canada, had placed its Trinidad assets, including Block 1A, for sale. Technical work was therefore reduced to a minimum however expenditure of \$1.30 million was incurred.

For 2010-2011, an estimated amount of \$30.00 million is expected to be provided for concept selection and commencement of the development of the Iguana/Zandolie discoveries.

13. Construction of Line at Massahood to Woodland

This project involves the fabrication and installation of a new 16" oil pipeline from Massahood to Woodland along the existing 12" Right-of-Way (ROW), replacing the existing old and leak prone pipeline. The estimated cost of the project is \$33.50 million, of which \$15.50 million has already been expended in prior years on the purchase of pipe and an additional \$0.04 million was expended to March 2010. The project has been delayed as efforts to resolve issues relating to use of private owners' lands and the removal of structures on the ROW continues.

For 2011, an estimated amount of \$11.00 million is expected to be provided for completion of this project.

14. Platforms Refurbishment

This project involves major refurbishment to platforms in the East Field (BS 238), the Main Field (PL 13 and 9) and in the North Field (PL 14 and 18). The estimated cost of the project is \$40.50 million. At March 2010, an amount of \$3.10 million had been expended.

This project is part of an ongoing infrastructure upgrade programme throughout the Trinmar fields and an estimated \$15.00 million is expected to be provided in 2010-2011.

15. Fabrication and Installation of sub-sea jointed pipes

This project involves the upgrade of the main trunk sub-sea pipelines to improve the system reliability. The project is estimated at \$22.00 million of which \$15.00 million has been provided in 2009-2010. As at March 2010 an amount of \$1.20 million was expended. An amount of \$20.80 million is projected to September 2010.

16. SWS Gaslifting Development Phase 1 (Reaction – Existing Wells)

The scope of this project involves the design and engineering for upgrade of RP10, Eagle 1 installation and subsea pipelines, coil pipe & workover wells as part of the Phase I SWS Development Project to provide gas lifting capacity and reactivation of wells. Total cost for this phase is estimated at \$324.8 million and was to be implemented over a four-year period.

This project has been deferred pending ongoing joint venture efforts in Trinmar.

17. Vapour Recovery

An amount of \$4.00 million was provided in fiscal 2009-2010 to complete Phase 1 and initiate engineering for Phase 2, which included procurement and installation of gas sales compressor to facilitate recovery and sale of gas instead of venting. The estimated cost of Phase 2 is \$25.00 million and is expected to be executed over fiscal 2010-2011.

18. Structural Upgrades of Platforms

The scope of this project involves the fabrication and installation of additional piles and braces to strengthen platforms as necessary. This is a two (2) year project spanning 2009-2011. The estimated cost of the upgrades is \$60.00 million. A structural consultant was engaged to assess strengthening

requirements and contracts are being awarded to carry out the works. As at March 2010 an amount of \$1.50 million was expended.

In 2011, an amount of \$40.00 million is expected to be provided as part of ongoing infrastructure upgrade works.

19. SECC Joint Venture

An amount of \$34.00 was provided for the re-completion of OA-2 and OA-3 wells but revised to \$22.40 million. Work on the OA-2 well was completed and work is ongoing on OA-3 with the first gas from the Kiskadee compression project expected in June 2010.

20. Trintomar

An amount of \$51.50 million was allocated to recover the existing production string and to re-complete the well by perforating new sands. Expenditure is expected to be incurred during the period of April to September 2010.

Corporate Projects

1. New Corporate Headquarters (Administration Building)

Petrotrin's New Corporate Headquarters is being constructed on a site located close to the Gasparillo entrance within the Pointe-a-Pierre compound. The corporate headquarters building will embody Petrotrin's vision as being an innovative, dynamic, highly efficient, safety conscious, ecologically sensitive organization driven by customer needs and empowering people. The building's "open office" work place layout is to be a catalyst for stimulating a new corporate culture.

The complex consists of two (2) four-storey building blocks joined by an atrium, a one-storey services

building located west of the main building, surface parking broken-up into four separate lots and a large water retention pond which will be used for rain water run-off retention and adiabatic cooling. The Building will house up to 600 persons, inclusive of dining, gym, atrium and an Executive Wing.

The Building's base structure was completed at the end of 2009 and several services contracts have been tendered, evaluated and awarded to date. Design, site preparation, and mobilization for construction works associated with the Roofing and Façade, Electrical, Plumbing, Air-conditioning, other Utilities, and the Services Building, began in December 2009 and is expected to continue into the first half of 2010.

The project was deferred temporarily at the beginning of 2009 due to cash shortfall but resumed in the 4th quarter. Expenditure incurred to the end of September 2009 was \$113.50 million. The Project revised estimated cost is TT\$365.00 million, and the expected completion date has been revised to July 2011. An amount of \$227.00 million has been allocated for fiscal 2010-2011 towards the construction of the New Corporate Headquarters.

2. New Refinery Laboratory

The new Refinery Laboratory is being constructed within the Pointe a Pierre Refinery. The design and layout of the laboratory will facilitate improved operational efficiencies and will meet HSE requirements and standards.

The facility will be a one-storey building surrounded by ancillary buildings for chemical storage, engine rooms and bottle washing facilities. The design and layout of the New Refinery Laboratory will be outfitted with the latest state-of-the-art equipment and will incorporate energy efficiency utilizing a Total Laboratory Air Flow Control System. All the structures will be connected via covered walkways.

At the end of April 2010, the Main Lab was 70% completed with 3 Ancillary Buildings at 80%

completion. The Electrical Building is 60% completed while external works is 65% completed.

Construction of the new facility is expected to be completed in 2010 at an estimated cost of TT\$160.00 million. As at March 2010, \$24.90 million was expended and \$135.10 is projected to be incurred during the period April to September 2010

3. Road Tank Wagon Loading Terminal

Petrotrin proposes to install facilities to provide fuels (jet, diesel, gasoline) to a new Road Tank Wagon (RTW) Distribution Facility at Caroni and to the Piarco Jet Fuel Distribution facility, via a multi-product pipeline.

The program seeks to improve the efficiency and effectiveness of fuel distribution across Trinidad as well as improve the Health, Safety and Environmental (HSE) conditions associated with present operations. The new facilities will also cater for more than one (1) marketer in a future de-monopolized marketplace.

The joint NGC/ Petrotrin/NP overall program scope consists of the following:

1. A new state-of-the-art Road Tank Wagon (RTW) Terminal new site located at the east entrance of the Petrotrin Pointe a Pierre Compound
2. A new state-of-the-art Road Tank Wagon (RTW) Terminal in the Caroni area
3. A liquid fuel transfer facility to be constructed in Petrotrin's compound to facilitate the multi-product pipeline and Caroni facility
4. A new RTW terminal in the Caroni area of similar size
5. A multi-product pipeline from Pointe a Pierre to Caroni
6. A dedicated aviation jet pipeline continuing from the Caroni terminal to Piarco Airport

Petrotrin's scope includes Pointe-a-Pierre RTW Terminal and transfer facilities to Caroni. However,

work on the Pointe-a-Pierre RTW Terminal (1st bullet above) has been deferred due to cost considerations to 2012.

Detailed engineering works are in progress for the West Area works associated with the booster and main pipeline pumps. Expenditure incurred as at September 2009 was \$0.30 million.

The construction of the Road Tank Wagon Terminal in Pointe-a-Pierre is projected to commence in fiscal 2011-2012.

4. Upgrade of Refinery Bulk Electrical Power System (URBP)

This expansion/upgrade provides increased electrical power (from 33 MVA to 130 MVA) due to increases and additions in the Gasoline Optimisation Programme (GOP) and non-GOP projects requirements. The project is also undertaken in order to improve the reliability of the incoming power supply from T&TEC to the Pointe-a-Pierre compound. The expansion comprises installation of a 132/66 KV Substation, a 66/12 KV Substation, upgrade of overhead 66 kV overhead lines to 175 MVA and extension of the incoming 66 kV lines to the West Area.

The project also includes a variation of the Substation contract to include physical space for the Fuel Transfer Pumps electrical equipment (for VFD's, Switchgear, transformers, rack room, etc) in the La Carriere Substation.

The Engineering, Procurement and Construction (EPC) Contract was awarded to HMV of Columbia in 2009. Designs and site preparation works are ongoing. Backfilling at La Carriere site was completed and foundation and concrete works commenced at end-2009 and continuing. Site facilities at the BPI site also commenced.

The estimated cost of the project was revised downwards to TT \$317.00 million (reduced from TT \$419.0 million) based on actual EPC Tender award.

Expenditure incurred to March 2010 was \$10.10 million and \$306.90 million is projected towards the completion of the project in November 2010.

5. New Marine Building and Jetty

New facilities are being constructed to facilitate the Pointe-a-Pierre marine operations. These facilities will allow the Marine Department to function more efficiently and effectively while meeting Petrotrin's safety and environmental requirements.

The project consists of:

1. A new Launch/ Tug Landing Stages (Jetty)
2. A new Marine Flagship Building for offices, change rooms/ lockers and associated facilities.

The launch landing design takes into consideration optimization of the jetty length and dredge depths, and current and future berthing arrangement. The new building design ensures effective wastewater treatment, effective use of natural lighting and cooling and mitigates against spill of fuels and oil.

This project is deferred to fiscal 2012-2013 due to cost considerations. An allocation of \$21.00 million is provided in fiscal 2010-2011 for completion of the jetty. The total project budget is \$42.00 million down from \$67.80 million in 2007.

Trinidad and Tobago National Petroleum Marketing Company Limited (NP)

Trinidad & Tobago National Petroleum Marketing Company Limited (NP) is a diversified company involved in the marketing of petroleum fuels, lubricating oils and greases, liquefied petroleum gas and compressed natural gas. The Company also provides facilities for marine and aviation bunkering.

NP operates the largest network of strategically located service stations and has embarked on a PSIP funded upgrade programme designed to

optimize service station operations and elevate them to internationally acceptable standards.

2009/2010 Projects

During fiscal 2009/2010 NP continued its overall Non-PSIP asset modernization and upgrade programme. The programmes completed include:

- o **Upgrade of Dealer Sites** – this project involved the upgrade of selected dealer owned stations. Two stations were completed one at BWIA Boulevard, Piarco, Trinidad and the other at Milford Road, Tobago. These sites are now fully operational at a total cost of \$8.31 million.
- o **Acquisition of LPG Cylinders** – this involved the replacement of rejected cylinders for new LPG cylinders for the two (2) filling plants operating in Trinidad and Tobago. Seventy eight thousand (78,000) 20lb cylinders and twelve thousand (12,000) 100lb cylinders were acquired at a cost of \$15.70 million.
- o **Installation of Diesel Overhead Tanks** – six (6) tanks were installed at service stations at a cost of \$1.43 million.
- o **Implementation of Pay at the Pump Facilities** - equipment to facilitate credit/debit card payment at the pump at service stations was installed at a cost of \$1.87 million.
- o **Modification of Lube Oil Blending Plant** – this project involves tank modification to the Lube Oil Plant, including dedicated tanks and hydraulic systems to improve the efficiency and reduce lead time. The first phase is the design engineering. The master study and basic design engineering were completed at a cost of \$2.0 million. The detailed design engineering is about to begin and is expected to be completed in 2011 at an estimated cost of \$4.79M. .
- o **Installation of Tank Gauges in the Lube Oil Blending Plant** - five (5) gauges for the blending tanks and three (3) gauges for the additive

storage tanks were installed at a cost of \$0.70 million; nineteen (19) additional gauges expected to be installed between April 2010 to September 2011. This will facilitate more accurate inventory control.

2010/2011 Projects

Major projects which were not completed in fiscal 2009/2010 will be rolled over into fiscal 2010/2011 and beyond as a result of the magnitude and/or delay in the planned roll-out of these projects.

- Construction of an Excise and Shipping Warehouse to cater for increased covered storage and improved efficiency of container loading. The estimated cost is \$30.00 million.
- Purchase of twenty (20) Tractors estimated at \$14.00 million for transporting the recently purchased Road Tank Wagons (RTWs'). This will facilitate cost savings from lease rental to ownership. The preferred supplier was approved by the Board of Directors and procurement is in progress.
- Purchase of an Aviation Refueller for Piarco at an estimated cost of \$2.70 million required as a replacement for the obsolete refueller. This project is currently in progress.
- Installation of an Automatic Transfer Switch for the generator at Sea Lots at an estimated cost of \$2.70 million from \$1.2 million. The scope of this project was revised due to changes in design and specification requirements to accommodate the entire Sea Lots Compound.

Details of the major new projects to be implemented in fiscal 2010/2011 are:

- o **Purchase of LPG Cylinders** at a cost of \$12.28 million. Tender documents are now being prepared.
- o **LPG Plant Upgrade for Tobago** – This is being redefined and for which \$6.00 million will be

selectively tendered at NP's cost. This will replace the obsolete plant used for filling, testing and refurbishing of LPG cylinders.

- o **Erection of a 5,000 bbl Gasoil Tank in Tobago** at an estimated cost of \$3.50 million.
- o **Land lease for erection of two (2) 10,000 bbl Tanks at LABIDCO** – NP provides Gasoil to key players involved in the exploration and production activities. The current methods of supplying fuel by RTW and pipeline network at the refinery are challenging and often result in delays in providing delivery on time. This project will assist in improving efficiency in the services provided to E&P companies. Negotiations on finalizing the land lease arrangements are expected to be completed in 2010. Total project cost is estimated at \$3.50 million.
- o **Installation of a Fire Engine with Pump** – this project involves an overhaul of the fire control system to increase coverage of a sprinkler system and to increase overall fire water storage capacity. The project is estimated at \$2.00 million.
- o **Installation of a Gasoil Fuelling Facility** – This will be located at the new Caroni multi-product facility and will be used for the fuelling of NP's RTWs'. The estimated cost is \$1.20 million.
- o **Purchase of 40,000 valves for LPG Cylinders** - The total cost is estimated at \$1.93 million. Tender documents are now being prepared.
- o **Installation of a Control Room to the Piarco Facility** at an estimated cost of \$3.00 million. This comprises the construction of a control room, a foam system and tank refurbishment.

National Quarries Company Limited (NQCL)

National Quarries Company Limited (NQCL) was incorporated in 1979 as a wholly owned state enterprise to carry on the business of manufacturing, importing and exporting of aggregate products. The company also operates quarries, mines and sand

pits. National Quarries contributes to the continuous supply of aggregate at affordable prices which is a key success factor in the implementation of the government's housing programme, the development of industrial estates and the changes in the infrastructure of the Republic of Trinidad and Tobago. NQCL operates three (3) Wash Plants with capacity to produce 400 metric tonnes an hour.

Given the industry within which it operates, NQCL is seeking to ensure that they are good corporate citizens. To this end, the company has made significant strides in its environmental rehabilitation and mitigation programme that has significantly reduced the impact of its operation on the environment. The company has a structured Quality Management System certified to ISO 9001:2008 standards and a comprehensive Environmental management System certified to ISO 14001:2004, a first for the quarrying industry.

For fiscal 2010, the projects planned for implementation are:

- o **Acquisition and Installation of one (1) Water Recycling Plant, Sand & Gravel Division, Turure** - The installation of this water recycling plant will provide National Quarries Company Limited (NQCL) an additional source of water for aggregate processing during the critical dry season period, when the available supply of river water is inadequate to support the necessary market requirements. With the use of the water recycling plant, the discharged water is collected in a settling pond and then reused for the washing of additional raw pitrun on the wash processing plant, thus making additional material available for sale minimizing revenue loss.

The project is estimated to cost \$5 million comprising of the purchase of the plant at a cost of \$4 million and infrastructure work to accommodate the plant at \$1.0million. The plant is being manufactured and cost is expected to be incurred at the end of September 2010.

- o **Installation of weighscale, mining operations Sand & Gravel Division, Tuture** – The foundation and infrastructure works for the installation of the weighscale commenced in April 2010 and is expected to be completed before September 2010. The cost is estimated to be \$0.35 million.

This weighscale is required for weighing pitrun that is delivered to the plant stockpile to facilitate accurate measurement of material delivered and recorded to the stockpiles and for faster transmission and processing of data in operation.

- o **Re-design and Upgrade of Plant #1** – The estimated cost of \$3.00 million has been allocated for major refurbishment and upgrade works to Plant #1 to be incurred by September 2010. This will allow for maximization of the quantity and variety end products required to meet market demands. Key components such as barrel washers, conveyors and screening units have to be acquired for the upgrade works.

For 2011, the company hopes to pursue the following projects:

- o **Purchase and installation of one (1) water recycling plant** – The estimated cost of this project is \$5.00 million of which \$1.20 million will be used for infrastructure work to accommodate the plant. A total of three (3) additional water recycling plants will be acquired over the period October 2010 to September 2013. Each of the four (4) wash processing plants will be operational over the identified period with a water recycling plant.

Upgrade of Stores Building, Garage and Welding Room, Sand & Gravel Division, Turure - An amount of \$1.00 million has been allocation towards the upgrade of the Stores Building to increase storage capacity to accommodate large and high valued plant fittings and spare parts such as screens and conveyor belts. Currently these are stored off-site at the plant locations until the

time of usage. This creates internal control risks such as exposure to theft and misplacement with the resulting possible financial loss. The expansion of storage capacity will therefore allow for a more robust system of internal control and accountability. The average carrying inventory value of plant and machinery spares is approximately TT\$5.40 million per annum. At least 80% are stored at locations other than the stores building, such as plant sites, unsecured containers etc. due to the large size of the items which cannot presently be stored in the existing stores building. In addition, the welding shop area and shed consist of a dilapidated shed which is an unsafe and an unhealthy working environment and therefore needs upgrading.

- o **Construction of a bridge at Scott's Quarry (Limestone Division)** – The sum of \$1.00 million has been allocated towards the construction of a bridge. The vehicular access to the entrance at Scott's quarry is restricted and inaccessible during the rainy season and negatively affects business activities and sale of products. The construction of a bridge would negate the effects of adverse weather.
- o **Paving Works, Sand & Gravel Division** – An amount of \$1.00 million has been allocated towards the paving of the access area to the main Sales and Weighbridge Offices and Administrative Building. This project will address the dust generated during the dry season as well as mud in the wet season.
- o **Acquisition of one (1) twelve (12) ton Truck-Mounted Crane** - Currently, National Quarries utilizes the rental of a truck-mounted crane in order to conduct routine plant maintenance to comply with health and safety requirements. The amount of \$1.50 million has been allocated towards the acquisition of a crane which would eliminate the company's rental expenditure.

ECONOMIC INFRASTRUCTURE

Business and Trade Expansion Non-Energy Sector

The Government of the Republic of Trinidad and Tobago introduced several initiatives to diversify the economy to minimize the dependence on the energy sector.

Electricity

Trinidad and Tobago Electricity Commission (T&TEC)

Trinidad and Tobago Electricity Commission (T&TEC) is a fully owned State Enterprise established on January 1, 1946 with responsibility for meeting the electricity needs of the twin island Republic of Trinidad and Tobago. Government has adopted a number of strategies to meet the growing demand for electrical power resulting from expanding digital economy, new housing developments and industrial expansion. Towards this end, T&TEC has recognized and embraced its role in the socio-economic development of Trinidad and Tobago.

Given its role in Trinidad and Tobago's national development, T&TEC is required to ensure that the country's generation capacity is adequate to meet

load demands at all times and that the transmission and distribution infrastructure is developed, operated and maintained so as to provide a safe, reliable, high quality electricity supply to all of its customers.

The present total generation capacity in Trinidad and Tobago is 1,672MW. The maximum peak demand of 1,182MW was recorded on September 08, 2009. It is forecasted that by the year 2016, the load will increase from the present maximum of 1,182MW to 2,291MW. To meet this projected load requires an expansion in total generating capacity from the existing 1,672MW to approximately 3,000MW. In support of this objective, several power generation initiatives are being undertaken. This includes the establishment of the 720MW Trinidad Generation Unlimited (TGU) power station for which a Power Purchase Agreement has been signed between Trinidad Generation Unlimited (TGU) as seller and T&TEC and Alutrint as joint buyers. This power station is currently under construction at Union Estate La Brea.

Groundwork for the establishment of a 720MW power station in the Barataria area as part replacement power for the Port of Spain power station and to meet new load demands is also currently being undertaken.

The rapid growth of sales and generating capacity has simultaneously seen the expansion of T&TEC's

transmission and distribution systems. From its humble beginnings at 33kV, it has developed over time to a national grid with the highest system voltage of 132kV, with plans for an increase to 220kV shortly.

Fourteen (14) bulk power transmission projects were completed in 2009/2010 at a cost of \$496.4 million, while work is nearing completion on seven (7) others at an estimated cost of \$493.7 million. This brings the total expenditure and commitments on completed and ongoing bulk power transmission infrastructure projects to \$990.1 million.

The status and estimated cost of the seven (7) ongoing bulk power transmission projects are as follows:

- (i) **Bamboo Sea Lots line:** involved the construction of a 132 kV double-circuit tower line from Bamboo Substation along the Caroni river to the Beetham Highway and would terminate in the Sea Lots area. The project would reinforce the transmission system into the north western peninsula of Trinidad, particularly the city and its environs. The project is 96% completed and is expected to be completed in 2010 at a cost of \$43.4 million;
- (ii) **Sea Lots/Gateway Cable Circuit:** involved the construction of an underground 132 kV cable system from the termination point of the 132 kV tower line to the Gateway Substation. The project would improve the electrical system reliability of the north western peninsula. The project is 38% complete and is expected to be completed in 2010 at an estimated cost of \$100 million;
- (iii) **Gateway Substation:** involved inter alia the construction of a switch house to accommodate 132 kV and 33 kV GIS switchboards, the purchase and installation of switchgear and the purchase and installation of 2 x 130 MVA transformers. The project would cater for the anticipated load growth and eventual de-commissioning of the Port of Spain power station. The project

would be expected to be delivered in three (3) phases: Phase I and II, and Phase III in 2011 at a total cost of \$90.6 million;

- (iv) **Brechin Castle Expansion:** would cater for the interconnection of the proposed power station at Union Estate to the T&TEC grid and would include the installation of two (2) 180/240MVA 220/132kV transformers. The project is expected to be completed in 2010 at a cost of \$98.0 million.
- (v) **Union Substation:** would reinforce the South transmission system and cater for future load growth and would be used to interconnect the proposed power station at Union Estate to the T&TEC grid. The project is 94% complete and is expected to be completed in 2010 at a cost of \$75.4 million;
- (vi) **Debe/Penal tower line:** would reinforce the transmission system in South Trinidad. The project is 98% complete and is expected to be completed in 2010 at a cost of \$18.3 million.
- (vii) **Upgrade Milford Bay Substation and establish Cove Milford Bay 66 kV circuit:** involved the upgrade to 66 kV of the Substation at Milford Bay, to facilitate the establishment of the 66 kV system in Tobago thereby improving system reliability and catering for future load growth. The first phase was completed in 2009 and the second phase is expected to be completed in 2010 at a total estimated cost of \$68.0 million;

Other Bulk Power Infrastructure Projects

- (i) **The Advanced Metering Infrastructure (AMI)** for domestic and commercial customers which commenced in November 2007 is now 99% complete with over 400,000 meters already changed out. The total estimated cost is \$275 million. The AMI allows among other things power quality monitoring, time of use billing and automatic meter reading which has eliminated

estimated billings and the need for meter readers to visit customers' premises.

(ii) The fibre optic network system has been expanded to interconnect all existing substations and is further expanded to also link all newly constructed substations. Upgrading of the microwave radio system was also recently completed. These projects form part of Communication and Networking infrastructure within an overall estimated cost of \$107.1 million.

Several other projects related to electricity distribution are currently being undertaken that are aimed at improving the quality of electricity and support services provided to T&TEC customers. Some of the major ones (\$4.0 million and above) are as follows:

1. Information Systems – (\$98.4 million)
2. Building and Renovations – (\$39.8 million)
3. Establish a 66 kV Substation in Tobago – (\$38.7 million)
4. Compensation to landowners – (\$29.5 million)
5. Upgrade Pinto Road Substation – (\$24.7 million)
6. Invaders Bay Substation – (\$16.0 million)
7. Establish 66 kV Tower Line – (\$15.0 million)
8. Charlieville Substation – (\$15.0 million)
9. Reform/Debe Transmission Line – (\$13.0 million)
10. Construct 132 kV Substation at Caribbean Drive – (\$12.0 million)
11. Harmony Hall Substation and Network Development – (\$11.0 million)
12. Purchase Transformer – Transmission – (\$10.6 million)
13. Vehicles – (\$10.2 million)
14. Surveys- Debe, Galeota, Penal, Brechin Castle, Chatam – (\$9.8 million)
15. Wallerfield/Pinto Rd 66kV Line – (\$9.2 million)

16. Construction – (\$8.5 million)
17. Procurement of 33kV OHD Cond. – (\$7.5 million)
18. Upgrade Trincity Substation – (\$6.5 million)
19. Purchase Security Equipment – (\$6.3 million)
20. Land acquisition – (\$4.5 million)
21. Supply to Petrotrin – (\$4.0 million)
22. Pinto Road/North Oropouche – (\$4.0 million)
23. Other Projects costing less than \$4.0 million each – (\$46.8 million)

These projects are in different stages of implementation. Through these initiatives T&TEC's customers would benefit from a general increase in the quality and reliability of electricity service provided.

Tourism

Tourism has a significant potential for employment generation as well as earning foreign exchange and contributing to the national economy.

Evolving Technologies and Enterprise Development Company Limited (eTeCK)

eTeCK is responsible for the development of light industrial estates in Trinidad and Tobago by encouraging diversification of the country's production base, exploring niche areas of investment for local and foreign investors. The company is also responsible for providing infrastructural support by the development of eTeCK parks throughout Trinidad and Tobago.

eTeCK, in its role as Manager of the lease operatorship for Hilton Trinidad and Conference Centre undertook the refurbishment and development of Hilton Trinidad and Conference Centre. The original estimated cost of this project was \$222.00 million which in 2008 was revised to \$484.0

million and in 2009 was further revised to \$633.70 million. Government will provide funding under PSIP in the amount of \$109.95 million and eTeck will provide the balance of \$410.00 million through debt financing from First Caribbean International Bank.

As at March 2010, \$441.09 million was expended and it is projected that \$58.91 million will be incurred during the period April to September 2010 and \$133.70 is projected for 2011.

This project commenced in 2005 and is scheduled for completion in 2011. The works undertaken for the renovation project have been grouped into three phases and five packages as follows:

- 420 Guestrooms (Phases 1 to 3)
- Executive Lounge and Fitness Centre (Package 1)
- Restaurants (Package 2)
- Front Entrance Extension and General Exterior Infrastructure (Package 3)
- Three Meal Restaurants and Kitchen Equipment (Package 4)
- Other works including IT Systems and Water Distribution (Package 5)

Phases 1, 2, 3 and package 1 are completed and fully operational. The remaining scope of works (Packages 2 to 5) is approximately 79% completed and delivery is expected in early 2011.

Urban Development Corporation of Trinidad & Tobago Limited (UDeCOTT)

Urban Development Company of Trinidad and Tobago Limited (UDeCOTT) was established in 1995 to oversee rural and urban development throughout Trinidad and Tobago.

UDeCOTT has a diverse portfolio developing projects in areas of commercial office building, hotel and conference centres, culture and art, historical restoration, sporting facilities, car parks and road rehabilitation.

Some of the projects in which UDeCOTT is involved, in order to enhance the development and diversification of the tourism sector are:

- o **Port of Spain Waterfront Project** - work on the project to revitalize the Port of Spain Waterfront continued in fiscal 2010. This project, which was estimated to cost \$1,600.0 million, was revised to \$2,966.77 million. This project will address the long standing need for state-of-the-art conference and meeting facilities. The Port of Spain International Waterfront Centre emerges as a beacon in the nation's capital. The project includes two (2) 26-storey office towers at 885,000 sq. ft. combined, a 22-storey, 409,000 sq. ft. 428-room Hyatt Regency Hotel, the largest conference centre in the English-speaking Caribbean at 55,000 sq. ft., retail spaces, a 7-storey car park with accommodation for 1,200 vehicles, an auditorium and performing arts theatre and a well-landscaped park designed for relaxation and enjoyment of the vast views from the waterfront. The project commenced in 2005 and was completed in October 2009 at a cost of \$2,840.20 million.

The National Academies for the Performing Arts are located in the cities of Port-of-Spain and San Fernando. These facilities are to house teaching and performance facilities for performing arts in Trinidad and Tobago. This includes facilities for dance, drama, music and related arts. These academies are to be built as part of a Government to Government, two percent interest bearing concessional loan from the People's Republic of China to the Government of the Republic of Trinidad and Tobago.

- o **Port of Spain National Academy for the Performing Arts** - This project will be a permanent home for the development of talent in the performing arts, with particular focus on the national instrument, the steel pan.

The Academy for the Performing Arts is situated on a 273,963 sq. ft. site and comprises of:

- Three-Storey Academy with 20 teaching and practice rooms
- Four-Level Theatre with 1,239 Seats
- Four-Level Hotel with 52 rooms
- Parking 232 vehicles
- Two Multifunctional Halls with 516 seats
- Two Restaurants

The Port of Spain Academy for the Performing Arts was completed in October 2009 at a cost of \$715.46 million.

- o **San Fernando National Academy for the Performing Arts** – this academy is designed to be the cultural icon of the southland to be located in Todd Street San Fernando. The modern, G-clef inspired design of this Performing Arts Academy pays tribute to the facility's goal to be a training ground for world class performers - particularly in the fields of musical performance. Outfitted with the most advanced training and performance spaces and coupled with state-of-the-art acoustics, this academy will be the southern home for cultivation of local talent, with particular emphasis on the national instrument of Trinidad and Tobago, the steel pan.

The scope of the project includes 110,093.3 square feet facility and will feature an acoustically designed performance school with seating available for 185, theatre with 850 seats, two (2) practice halls, performing arts teaching facility, high-tech audio visual equipment, parking facilities, landscaped surroundings, adequate seating capacity and modern fire detection and security systems.

The project is under construction with a scheduled completion date of January 2011. The original project cost of \$329.61 million was revised to \$389.49 million. Expenditure incurred

as at March 2010 totaled \$149.01 million and a projection of 240.47 million is to be expended in 2011.

- o **Invader's Bay Development, Port of Spain** - This project involves reclamation of land from the Gulf of Paria in North Western Trinidad. The reclamation of lands represents Phase 1 of an overall project geared towards the development of a commercial area. Phase 1 was completed at a cost of \$49.60 million.

These projects are a reflection of the tremendous development and transformation that Trinidad and Tobago is currently experiencing and will strengthen the image of the country in international affairs and diplomatic negotiations. Additionally it will serve to enhance the national pride of our people.

Transport and Communication

National Helicopter Services Limited (NHSL)

National Helicopter Services Limited (NHSL) was established to provide essential helicopter services to the Government. Additionally, the company provides helicopter services to the Private Sector, State Enterprises including NGC and other companies within the exploration and production oil and gas sector.

In 2010, work continued on the follow projects:

- o **New Camden Passenger Terminal** – is tentatively scheduled for completion by August 2011 at a cost of \$15.50 million, \$5.5 million more than the original estimated cost of \$10.00 million. A capital injection is being sought from the shareholders to fund this project, which also includes expanded car parking, handover and meeting rooms for offshore clientele, drug testing and sterile holding areas. To date only \$0.1 million was expended for preliminary work.

- o **Galeota Heliport** – NHSL commenced work on the Galeota Heliport in 2007 at an estimated cost of \$5.00 million. The scope of work was revised to include the landing of four (4) to six (6) medium twin helicopters simultaneously. The estimated cost has been revised to \$12.09 million. The project is scheduled for completion in 2011. Funding is provided by the local banking sector. As at March 2010 \$0.08 million was expended on the project and \$3.00 million and \$9.00 million is projected for April to September 2010 and 2011 respectively.

The company also plans to undertake the follow projects in 2010:

- o **Acquisition of another S76C++ Medium Twin Helicopter** – this project is expected to commence in May 2010 with a completion date of February 2011 at an estimated cost of \$75.00 million. Funding is to be provided by local banking sector / capital injection.
- o **Acquisition of NGC Hanger and Facilities at Camden** – this project is expected to be completed in 2010 at a cost of \$7.40 million. Presently the facilities are being used by NHSL under a license / purchase agreement with NGC until the purchase price is determined. This acquisition will provide NHSL with additional hanger space and training rooms. A capital injection is being sought from the shareholders to finance this project.

For fiscal 2011, NHSL has no projects planned but will finalize all unfinished projects from previous years.

Port Authority of Trinidad and Tobago (PATT)

PATT is mandated to develop the harbours of Trinidad and Tobago, operate port services and the Government Shipping Service between Trinidad and Tobago.

Geographically, the Port of Port of Spain is ideal for maritime traffic, providing a natural harbour

on Trinidad's north-western coast where adverse weather conditions are extremely rare. These ideal conditions, augmented by a skilled and dedicated workforce, have enabled the Government of the Republic of Trinidad and Tobago to implement an operational and a marketing strategy that will enforce the Port of Port of Spain's position as an economic hub for years to come.

The Port of Port of Spain provides many services which include:

- public international cargo-handling facilities for containerized, break-bulk, roll-on/roll-off and dry/liquid bulk cargo at King's Wharf and King's Wharf Extension
- dedicated facilities for the handling of CARICOM cargo
- Cruise shipping facilities at the Port of Port of Spain
- Towage and dredging services
- Real estate management
- International general cargo and cruise shipping facilities at the Port of Scarborough and
- Operation of the ferry service between Trinidad and Tobago, as agents of the Government of the Republic of Trinidad and Tobago.

The Port of Port of Spain has a container terminal extending over ten (10) hectares and empty Storage area of 6.5 hectares.

In June of 2008 the PATT acquired a Ship to Shore Crane at a cost of \$60.60 million from Liebherr Crane of Ireland. The crane is currently in active use. The Authority also intended to acquire a Reach Stacker Crane, however due to limited cash flows the procurement of this item was postponed.

Telecommunication Services of Trinidad and Tobago Limited (TSTT)

Telecommunications Services of Trinidad and Tobago Limited is the leading telecommunications

service provider on the twin-island Republic of Trinidad and Tobago, with offerings in fixed and mobile voice, broadband (fixed and mobile), Customer Premises Equipment (CPE) and enterprise and security solutions. The company is owned by GoRTT and Cable and Wireless.

The liberalization of the telecommunications sector in 2005 ushered in an era of intense competition in all areas of TSTT's operations. The intense competitive activity in the mobile industry has led to an exponential growth in the mobile subscriber base in Trinidad and Tobago.

The projects undertaken within major groupings are:

- o **Broadband Upgrade** - During the period under review, TSTT invested approximately \$114.0mn in its Broadband service wired and wireless offering. The investment enabled TSTT to meet the growing public demands for faster speeds, improved coverage and improved quality of service at affordable rates. As at March 2010 \$308.3 million was expended.
- o **Fixed and Carrier Services** - This is a mature product which attracted targeted capital investments of approximately \$0.10 million in 2010. An amount of \$40.50 million was allocated to this project and as at March 2010 a total of \$19.40 million was expended.
- o **Mobile Services** - TSTT faces its most aggressive competition in the Mobile sector with entrance of an aggressive Irish operator with operations in thirty-three (33) countries around the world. This competitor benefits from economies of scale in the purchase of handsets that are unavailable to TSTT. Notwithstanding, being a handset driven population, TSTT preserved its mobile market share at 69%. During the financial period ending March 31st 2010, TSTT invested approximately \$78.00 million in its Mobile operations to improve coverage to its customers.
- o **Enterprise Services** – The Enterprise Division is charged with the responsibility of meeting the

demands of TSTT's major customers including the GoRTT and other corporate citizens across industries such as banking, energy, tourism and manufacturing.

On April 4th 2009, TSTT was awarded spectrum for WiMax to provide Internet, Wireless Cable TV, and Wireless Telephony services. The licence to commercially utilize this spectrum was however, only granted on 5th February, 2010. Prior to that, the Regulator granted a temporary licence for the provision WiMax services to international visitors who visited the twin-island republic to attend the second international conference (CHOGM) hosted by the GoRTT in 2009. TSTT's investment in this area was \$150.00 million in the current financial year.

- o **Access Infrastructure and New Business** - The provision of fast, reliable and modern telecommunications services is in part, dependent on the quality of TSTT's outside plant. After a drought of investment in this area as well as persistent cable theft, TSTT is now able to invest in the upgrade and modernization of its Outside Plant to maintain its legacy services as well as to support new services such as its broadband and subscription television offerings. In the financial period ended March 31st 2010, TSTT invested a total of \$47.00 million in Outside Plant modernization and rehabilitation.
- o **Security** - In 2009, TSTT entered the Security Business and was the primary provider of Security Cameras for the International Conferences hosted by GoRTT. In the financial period ended March 31st 2010, approximately \$44.00 million was invested in this area.
- o **Technology** – The Technology Division, being the engine which powers the organization is primarily focused on the quality of services delivered to its internal and external publics and are equally concerned with the adoption, design and roll out of new products and services that affords TSTT the opportunity to be competitive, cutting

edge and at the same time allows the customers to have a hassle-free relationship with TSTT. The capital outlay for 2010 was \$336.00 million.

- o **Entertainment** – In November 2009, TSTT entered the entertainment market albeit in a restricted geographic area with the launch of its own subscription television service thereby challenging the dominant cable provider's embattled service offering. TSTT's investment in this area was approximately \$39.00 million.
- o **Upgrade of Telecommunication Services** – TSTT was mandated by GoRTT to provide modern telecommunication services for the international visitors and participants in the two (2) international summits (Summit of the Americas/ Commonwealth Heads of Government

Meeting) held in Trinidad and Tobago in 2009. TSTT's capital outlay for 2010 was approximately \$26.00 million.

- o **Other** - In support of the core Lines of Business (LOBs) and Cost Centres (CCs) noted in the preceding sections, there are other disciplines which work together in producing the products and services for TSTT's various markets, namely, Audit, Customer Services, Finance, Human Resources, Marketing and Regulatory and Asset Rationalization. The combined capital outlay in 2010 for these groups was \$41.00 million.

For the financial period 2010-2011, TSTT has developed a comprehensive strategic plan which projects an expenditure outlay of approximately \$1.10 billion.

SOCIAL INFRASTRUCTURE

Education and Training

National Maintenance Training and Security Company Limited (MTS)

MTS was incorporated with the specific objective of providing high quality maintenance and security services to newly constructed government schools including Senior Comprehensive, Junior and Composite Secondary Schools. The company has since expanded its services to include ground maintenance, technical, horticultural and project management to agencies in the public and private sector.

MTS has performed the role of Programme Manager and has implemented several projects including the design, construct and outfitting of schools. The company also completed a programme of schools refurbishment, classroom upgrades and pre-engineered classrooms.

In 2001, a \$400.00 million Bond was issued to enable MTS to construct twelve (12) secondary schools under the SEMP Phase 11 programme. Eight (8) of the schools were constructed while four (4) were not. Subsequently, the modernization of the secondary school curriculum required that additional rooms be made available in the already constructed eight secondary schools. The financing for this came from the unused balance of the Bond issue. An amount of \$350.10 million was utilized in the completion of the works indicated above.

MTS has indicated that there are no planned projects to be undertaken in 2011.

Housing and Settlements

Urban Development Corporation of Trinidad & Tobago Limited (UDeCOTT)

In fulfilling Government's commitment to improve the quality of life for citizens and for the rehabilitation of urban development, UDeCOTT has undertaken the construction of housing units and the development of land located at:

- o **Valsayn Real Spring** – This is the construction of residential homes at Valsayn. The original cost of this project was revised from \$160.66 million to \$164.12 million. Cost incurred as at March 2010 totaled \$140.91 million with \$23.21million projected to the end of 2011. The construction of houses is scheduled for completion in fiscal 2011.
- o **Canaan Place, La Romain** – This is a land development project at La Romain. The property has been cleared and fenced. At the present time the only works undertaken is the continuous maintenance of the site. Management is yet to make a decision as to how to proceed with this project. The original cost was \$7.69 million; actual cost incurred as at March 2010 totaled \$4.03 million. An amount of \$11.73million is projected for 2011.

ADMINISTRATION

Public Order and Safety

Airports Authority of Trinidad and Tobago (AATT)

Airports Authority of Trinidad and Tobago (AATT) is mandated to develop and manage the business of the Piarco International Airport and Crown Point International Airport of the Republic of Trinidad and Tobago. The Airports Authority ensures that safe, secure and efficient aviation services are provided at the country's airports. The Authority's strategic focus continues to be one of delivering high quality services and facilities. While the existing systems and infrastructure at both Piarco and Crown Point are being upgraded, the AATT is also involved in bringing runway and airside facilities to international standards.

The under mentioned project was completed in 2010 at a revised cost of \$134.9 million:

- o **Piarco International Airport Runway Overlay** - this project involves the completion of hot mix asphalt paving (HMA) on the eastern end of the Piarco International Airport Runway. The original estimated cost was \$148.0 million, however, the project was completed at a revised cost of \$134.9 million.

During 2010, AATT continued to implement a number of projects to improve and upgrade its facilities as follows

- o **The construction of a Sewer Treatment Plant** at a cost of \$15.0 million. This Plant will replace

the present sewer treatment plant located at Crown Point International Airport. The project is expected to be completed during fiscal 2011. The project will be funded through loan financing fully guaranteed by the Government of Trinidad and Tobago.

- o **Installation of a FEC System** at a cost of \$70.0 million. This system replaces the current airfield lighting control and monitoring system which is obsolete. The duration of this project is twelve (12) months and commenced in fiscal 2010 with completion scheduled for fiscal 2011. The project will be funded through loan financing fully guaranteed by the Government of Trinidad and Tobago.
- o **The Runway Rehabilitation Works and Repairs to Perimeter Road and fence Line at Crown Point.** This involves the design and construction of a runway overlay, including cold milling and placement of a hot mix asphalt overlay. Also included in this project is the replacement of existing fence line and repairs to the perimeter road to ensure safety of airport premises. For fiscal 2010, the sum of \$130.0 million was allocated to this project and the duration is estimated to be nine (9) months. The project will be funded through loan financing fully guaranteed by the Government of Trinidad and Tobago.
- o **Infrastructure Airport Hotel Site** – for fiscal 2010, the Airports Authority has undertake the construction of the basic road infrastructure to facilitate the development of acreage to

service the Airport Hotel and Meteorological Service building at an estimated cost of \$105.0 million. The duration of this project is estimated to be twelve (12) months. The project is funded through loan financing fully guaranteed by the Government of Trinidad and Tobago.

- o **Crown Point Airport Expansion and Modification** - Design and construction of Ramp and Terminal facilities at Crown Point Airport - these facilities will cater for the international and domestic passengers. The project includes the purchase of pre-fab building, foundation works and the inclusion of plumbing, electrical facilities and erection of the pre-fab building. For fiscal 2009, the sum of \$2.1 million was spent and the project is due for completion by 2011.

For fiscal 2011, the Airports Authority will undertake the following projects:

- o **Upgrade of Ramp Lights at South Terminal and Installation of Ramp Lights on the New Ramp at the North Terminal** - This is at an estimated cost of \$3.6 million from internally generated funds. The poles of the South Terminal are rotted and unsafe. The new ramps at the eastern and western side of the North Terminal have no lights installed.
- o **Piarco International Airport Western Perimeter Road Upgrade** - to be undertaken at an estimated cost of \$5.5 million from internally generated funds. This comprises the rehabilitation and overlay of the Western Perimeter Roadway from the South Ramp to the Jet Blast Screens at the R10 end. The works planned would be the pulverization of the existing concrete roadway, deep patching and complete asphalt overlay including the construction of required drainage outfalls of the estate.
- o **New Terminal Western Utility Area Storm Water Drainage Installation** - to be undertaken at an estimated cost of \$2.0 million from internally

generated funds. This entails the construction of a lined drainage network for the entire area west of the terminal building back to roundabout. Drainage would be reinforced, concrete covered and uncovered with road crossings and inlets and other appurtenances to ensure proper drainage of this entire site.

- o **Post 15 Entrance Facilities** - to be undertaken at an estimated cost of \$7.2 million from internally generated funds. Relocation of the Post 15 access and the construction of an appropriate Security Office and the installation of a Security Airlock for searching vehicles, to be completely covered and to allow articulated traffic, if necessary, and to be positioned north in keeping with our land use plan.
- o **Post 11 Entrance Canopy** - to be undertaken at an estimated cost of \$2.5 million from internally generated funds. The construction of a complete canopy covering and the installation of Airlock at this post to allow articulated traffic flow.
- o **AAT Storage Warehouse Facilities** - to be undertaken at an estimated cost of \$6.5 million from internally generated funds. Construction of a warehouse to accommodate the Authority's storage needs documents and assets. To be constructed at the Old Administration Site and would comprise a structural steel building with clad sides inclusive of an office area and outfitted with racks for storage.
- o **Development of the CIP Lounge** - to be undertaken at an estimated cost of \$6.5 million from internally generated funds. The build out of areas designated to the North Terminal to provide facilities for corporate entities of Trinidad and Tobago.
- o **Automated Time and Attendance System** - to be undertaken at an estimated cost of \$0.4M from internally generated funds. The use of Access Control System to develop a Time and Attendance System on the Estate.

- o **AATT Time Sync Project** - to be undertaken at an estimated cost of \$0.5 million from internally generated funds. The set-up of AATT system-wide (PIA and CPIA) by the use of GPS to synchronize and display one time throughout the estate.
- o **Upgrade of AATT IT Operating System** - to be undertaken at an estimated cost of \$0.6 million from internally generated funds. The setup of internal website for the dissemination of information to employees, centralization of data communication infrastructure and set up of system to administer and control network access to contractors and the Aviation Training School.
- o **Mobile Command Post CPIA** – to be undertaken at an estimated cost of \$1.3 million from internally generated funds. This is required for emergency response/on site incident command.
- o **Extension of International Departure Hall Construction Work CPIA** - to be undertaken at an estimated cost of \$2.5 million from internally generated funds. The closing of the waving gallery to facilitate extension of the International Departure area at Crown Point International.
- o **Terminal and Ramp Signage** - to be undertaken at an estimated cost of \$1.0 million from internally generated funds. The replacement of terminal signage to trilingual signage – English, Spanish and German. The purchase and installation of Ramp/Runway signage to ICAO standard.

Public Administration

Urban Development Corporation of Trinidad & Tobago Limited (UDeCOTT)

As Government continues to vigorously pursue its goal of ensuring that Trinidad and Tobago achieves developed country status, UDeCOTT is a key agency

engaged in activities that impact on the infra-structural development of Trinidad and Tobago.

In fiscal 2010, UDeCOTT continued work on the projects listed hereunder:

- o **Government Campus Plaza** – this campus will fulfill the Government's goal of ensuring that the public can quickly and conveniently access the services of five (5) of its Government Ministries/Agencies. Currently under construction on Richmond Street and Wrightson Road in Port of Spain, the Government Campus Plaza will be one of the projects that will change the skyline of the nation's capital. Located just across from the Port of Spain International Waterfront Centre on a 1.154 million square foot quadrangular piazza, the Government Campus Plaza will provide not only office accommodation and parking, but also an aesthetically pleasing public plaza with manicured gardens and entertainment space. In the plaza, just below the state-of-the-art, outdoor 40 x 70 ft screen mounted on one of the plaza's two 23-storey towers, nationals and non-nationals alike will benefit from an outdoor performance area, which will be used for showcasing cultural festivals and performances.

The original cost of \$1,200.00 million was revised to \$3,124.50 million. Expenditure as at March 2010 totaled \$1,962.24 million. Construction of the car park facility and the Board of Inland Revenue Building were completed. The Ministry of Legal Affairs Building is approximately 92% completed and the Ministry of Education is 74% completed. Outfitting of the Buildings is outstanding.

- o **Chancery Lane Complex** – This facility will feature office accommodation (10 levels) 130,000 sq. ft., retail accommodation (3 levels) 75,000 sq. ft., rooftop/civic space 11,500 sq. ft., a library, 160 Parking Spots and 320 Parking Spots and Car Park Expansion. The main building is 74% completed and the car park is 46% completed. The project is currently on hold as the contractors

Johnson International Limited abandon the site pending the outcome of its litigation action against UdeCOTT.

The cost of the project was revised from \$100.00 million to \$898.48 million. The sum of \$463.67

million was expended as at March 2010. The sums of \$79.59 million and \$195.34 are projected for April to September 2010 and 2011 respectively.

APPENDIX

APPENDIX

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
	Orig. Cost	Rev. Cost			As at Sep 2009	Oct 2009 to Mar 2010	Apr to Sep 2010	Oct 2010 to Sep 2011		
ECONOMIC INFRASTRUCTURE										
BUSINESS AND TRADE EXPANSION - ENERGY SECTOR										
THE NATIONAL GAS COMPANY OF TRINIDAD AND TOBAGO LIMITED (NGC)										
Transmission Pipelines										
North Eastern Offshore Pipeline (NEOP) - BHP Offshore Transmission Expansion	2,362.50	2,583.00	2006 - 2011	80% debt 20%Equity	1,249.70	388.39	819.00	126.00	The project is about 75.1% completed. It involves the construction of a 36" Offshore Pipeline from the BHP platform to the 36" BUD Pipeline to accommodate additional gas to be delivered from BHP, BP, EORG and Repsol gas fields. The cost was revised due to the increased cost of the 36" HDD activity at Mayaro.	The project was expected to be completed in 2010, however the commissioning is scheduled for the first quarter in 2011.
	976.50	1,102.50	2008 - 2011	80% debt 20%Equity	338.77	254.77	441.00	68.00	The project is about 77.1% completed. The GoRIT requested NGC to construct a pipeline and related infrastructure to supply gas to meet the domestic need of the island and to provide additional transportation capacity for third parties.	The project is expected to be completed in 2011.
Distribution Pipelines & Related Facilities										
Pipeline to Union Industrial Estate	217.00	267.00	2006 - 2010	Internal funds	55.84	22.37	159.00	30.00	The project is 71% completed. It is the construction of a gas supply pipeline to La Brea Industrial Development Company Limited (LABIDCO) for light industrial users.	The project is expected to be completed in 2011.
New Industrial Estate & Small Consumers										
Pipeline to e-Teck Wallerfield	10.80	20.00	2006 - 2010	Internal funds	5.94	6.06	7.97	0.00	Construction completed. Awaiting client's decision to proceed with commissioning.	

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$m		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
	Orig. Cost	Rev. Cost			As at Sep 2009	Oct 2009 to Mar 2010	Apr to Sep 2010	Oct 2010 to Sep 2011		
Pipeline to North West Peninsula - Phase III to Diamond Vale	27.60	28.30	2006-2011	Internal funds	6.96	0.00	17.69	3.65	Construction tender to be invited 2nd quarter 2010.	Completion and commissioning expected by January 2011.
Pipeline to Longdenville	16.00	17.50	2007-2011	Internal funds	1.09	1.70	8.00	6.71	Construction tender to be invited 2nd quarter 2010.	Completion and commissioning expected by January 2011.
Pipeline to Gulf City/Otaheite	7.00	7.00	2007-2010	Internal funds	0.00	0.00	0.00	0.00	Project deferred.	
Pipeline to Amonia, Urea and Melamine (AUM) Plant	10.30	10.30	2007-2009	Internal funds	9.41	0.00	0.00	0.00	Project completed in 2009.	
Pipeline to Small Customers - Nat. Gas Supply to Marabella Sec. School	1.90	1.90	2008-2010	Internal funds	0.31	0.57	1.02	0.00	Project Expected to be completed by 3rd quarter of 2010.	
Pipeline to Small Customers - Nat. Gas Supply to Couva Sec.	1.90	1.90	2009-2010	Internal funds	0.29	0.06	1.54	0.00	Anticipated completion date is 3rd quarter 2010.	
Modification Works										
Phoenix Park Valve Station Upgrade	197.40	450.50	2006 - 2011	Internal funds	184.48	25.90	114.00	124.95	Civil works 60% completed and mechanical works have commenced	Commissioning scheduled for March 2011.
PROJECTS										
Investment in Air Conditioning Plant										
- eTeck's Wallerfield Eco Park - \$60.0 Mn	60.00	60.00	2008 - Present	eTeck - \$60.0Mn	0.00	0.00	0.00	0.00	Funding for this project to be provided by eTeck, however no agreement has been reached with eTeck.	
Union Industrial Estate, Vessigny, La Brea	350.00	350.00	2005-2008	80% from external and 20%equity.	0.00	0.00	0.00	0.00	Projected completed in December 2008	
- Site Development works										
- Construction of Petrol Chemical Pier										
Pipeline & Metering Station to Petrotrin	11.00	11.00	2009-2010	Internal funds	2.27	1.89	6.72	0.00	Construction tender to be invited 2nd quarter 2010, anticipated completion date is 3rd quarter 2010	

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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Pipeline & Metering Station to Trinidad Generation Unlimited	8.00	8.00	2009-2010	Internal funds	0.16	0.77	7.00	0.00	Construction in progress with an expected completion date of the 3rd quarter 2010	
Pipeline & Metering Station to Carisal Unlimited Chlor Alkali Plant	4.50	4.50	2009-2011	Internal funds	0.53	0.32	1.09	2.55	Consumer does not require supply until 2011	
Natural Gas Supply to Air Liquide Ltd	0.90	0.90	2010	Internal funds	0.10	0.04	0.76	0.00	Scheduled for completion by October 2010	
Metering Facility to Flagship Tamana	0.10	0.10	2009-2010	Internal funds	0.00	0.07	0.03	0.00	Construction completed, awaiting client go ahead for commissioning	
Financial Capital										
Jamaica LNG Gas Terminal	151.20	151.20	2007 - 2010	Petrojam 60%; NGC 40%	0.00	0.00	0.00	0.00	This project involves the supply of natural gas to Jamaica. NGC's involvement terminated.	
Pipeline to Eastern Caribbean	6.00	7.60	2007-2010	Beowulf 60%;NGC 40%	0.00	0.00	1.91	0.00	Project development works are ongoing. NGC's cash call for 2010 is estimated at US\$300,000.00 and funds will then be allocated for the fiscal year 2010.	
Total - NGC	4,420.60	2,500.20			1,855.84	702.90	1,586.73	361.86		

THE NATIONAL ENERGY CORPORATION OF TRINIDAD AND TOBAGO (NEC)

Savonetta Piers	3.86	5.80	2010	Internal funds	0.00	0.00	5.80	0.00	Improvement of the pier facilities to accommodate vessels and handle cargo	Cost to be incurred in the 2nd and 3rd quarter of 2010
Porta Cabin	0.15	0.15	2010-2011	Internal funds	0.00	0.00	0.15	0.00	Acquisition of three (3) Porta Cabins. These will be placed at the Tug Mooring Facility. Two cabins will be used as on-site offices and the other will be used as a workshop and storage facility.	Cost to be incurred in the 2nd quarter of 2010
Dry Docking	2.15	3.50	2010-2011	Internal funds	0.00	0.00	3.50	0.00	Overhaul of the main engine of Tug NEC Express	Cost to be incurred in the 2nd and 3rd quarter of 2010

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Details of Activities for 2011
	Orig. Cost	Rev. Cost			Oct 2009 to Sep 2010	Oct 2009 to Mar 2010	Apr to Sep 2010	Oct 2010 to Sep 2011	
Other Projects - Tug Mooring Facilities at Point Lisas; Furniture and Computer Machinery and Equipment	2.20	4.45	2010-2011	Internal funds	0.00	3.29	1.16	0.00	To upgrade the facility to accommodate three (3) Porta Cabins and to store ship spares and to undertake maintenance work on NEC's vessels. To acquire furniture, office equipment, computer hardware and software. To replace/acquire equipment for the operations of the company.
Union Industrial Estate	51.50	51.50	2010-2011	Internal funds	0.00	0.00	51.50	0.00	The construction of access roads, drains and service lines to accommodate additional tenants on the south side of the estate. Rehabilitation works will also be undertaken to prevent flooding of the Alurrint site and further erosion and siltation of the Vessigny River.
Navigation Aids-Channel Marker	0.19	0.19	2010-2011	Internal funds	0.00	0.00	0.19	0.00	Acquisition of one (1) Channel Marker
Tugs and Launch-Acquisition of two 55-Ton Bollard Pull Stan Tug	72.50	104.30	2007-2011	Internal funds	0.00	0.00	63.00	9.50	The project has been incorporated in the Tug and Launch project which involves the acquisition of two (2) tugboats for additional towage services and a launch to transport custom officers, agents, pilots and other passengers to and from vessels. The acquisition was revised to \$104.2 million and extended to 2011.
Brighton Port - Alurrint Material Storage & Handling Facilities	397.01	600.00	2008 - 2011	20% equity & 80% debt.	107.90	124.00	226.11	142.00	This project involves the construction of the material storage yard and handling facilities for the transfer of raw materials for the smelter plant. Construction delayed due to additional time taken to complete geo-technical studies.
Conveyor System	85.05	170.00	To Be Decided	To Be Decided	0.00	0.00	0.00	0.00	Project scope has not yet been finalised.
Total NEC	614.61	939.89			107.90	127.29	351.41	151.50	

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million			Projected Expenditure TT\$ million		Details of Activities for 2011	
	Orig. Cost	Rev. Cost			Oct 2009 to Sep 2010	Oct 2009 to Mar 2010	Apr to Sep 2010	Oct 2010 to Sep 2011	Status as at March 2010		
									As at Sep 2009		Oct 2009 to Mar 2010
LA BREA INDUSTRIAL DEVELOPMENT COMPANY LIMITED (LABIDCO)											
Access Roads Development of Site	5.50	8.00	2008-2010	Internal funds	0.00	0.00	0.00	8.00	0.00	Installation of 2,600 metres of road with drainage to service new tenants	Cost to be incurred in the 2nd and 3rd quarter of 2010
Well Re-abandonment	4.50	8.00	2007 - 2010	Internal funds	0.00	0.00	0.00	8.00	0.00	There are six leaking wells/clusters on the estate that have to be capped. Capping of these wells will contain the effluent of oil and gas and remove the hydrocarbon contamination on a periodic basis.	Cost to be incurred in the 2nd and 3rd quarter of 2010
Office Equipment/Computers/Furniture and Fixtures	0.70	0.20	2008-2010	Internal funds	0.00	0.00	0.00	0.20	0.00	Purchase of Office Equipment, Machinery, Furniture and Fixture	Cost to be incurred in the 2nd and 3rd quarter of 2010
Construction of Walkway	0.03	0.35	2010	Internal funds	0.00	0.00	0.00	0.35	0.00	To develop access way for pedestrians at the port.	
Acquisition of Navigational Aids	0.70	0.60	2010	Internal funds	0.00	0.00	0.00	0.60	0.00	The purchase of two navigational aids	
Automated Barriers	0.30	0.30	2010	Internal funds	0.00	0.00	0.00	0.30	0.00	The installation of automated barriers at the main entrance to the Port facility to improve security	
Re-Construction of La Brea Berth #2	126.00	35.00	2010	Internal funds	0.00	0.00	0.00	35.00	0.00	The scope of works include the construction of a Load-Off Platform at Berth #2. The structure is intended to be utilized for general commercial shipping activities and would also serve as a specialized Load-Off section for the rig structure that are being fabricated in LABIDCO's Fabrication Yard.	

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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International Ship and Port Facility Security Codes (ISPS)	0.20	0.20	2010	Internal funds	0.00	0.00	0.20	0.00	To conduct work associated with infrastructural development to maintain certification status in accordance with the ISPS Codes.	
Lighting at Fabrication Yard Facility	0.10	0.10	2010	Internal funds	0.00	0.00	0.10	0.00	For lighting at the fabrication Yard Facility.	
Catholic Protection	1.00	1.00	2010	Internal funds	0.00	0.00	1.00	0.00	This is for the Catholic Protection of the Dock Facility in order to maintain its integrity	
Marine Fenders	1.00	1.00	2010	Internal funds	0.00	0.00	1.00	0.00	Purchase and installation of additional fenders to allow for maximum utilization and safe mooring and occupancy of vessels along the entire 300m of berth space.	
Drains Corridor/ Upgrading of Drains	3.20	3.20	2008-2009	Internal funds	1.00	0.00	0.80	0.00	Completion of the drainage network on the estate, in addition existing drains need modification because of the modified occupancy patterns and alterations to the original layout of the estate	Cost to be incurred in the 2nd and 3rd quarter of 2010
Corridor lighting	3.10	1.10	2008-2009	Internal funds	0.00	0.00	0.00	0.00	Installation of lighting along corridor of estate for safety and security of all.	Project Postponed
Surveying / Cadastral	3.50	0.10	2008-2009	Internal funds	0.00	0.00	0.00	0.00	Commissioning of Surveys to reflect changes in the layout of the estate.	Project Postponed
Administrative Building	1.00	1.00	2008-2009	Internal funds	0.00	0.00	0.00	0.00	Design works for the construction of a new administrative complex to house staff of LABIDCO and Union Estate.	Project Postponed
Total - LABIDCO	150.83	60.15			1.00	0.00	55.55	0.00		

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PETROLEUM COMPANY OF TRINIDAD AND TOBAGO (PETROTRIN)										
Gasoline Optimisation Programme										
Project Administration	192.50	395.70	2004-2010	Commercial Bank	292.00	23.00	30.00	50.70	Project Management of Engineering Procurement Construction/ Engineering Procurement Construction and Management contracts continuing.	
Upgrade Fluid Catalytic Cracking Unit (FCCU)	905.50	2,224.40	2004-2010	Commercial Bank	1,135.60	342.40	360.00	386.50	Detailed engineering work affixed 88.8%.Erection of GCX exchanger structure completed and erection of piping and exchangers on the structure are in progress. Installation of cable trays completed in Merx area while the installation of conduits and cable pulling continued.	Overall project completion is 74.9%.
New Isomerisation Complex	475.90	546.40	2004-2010	Commercial bank	521.90	2.40	1.00	21.10	Commercial issues relating to claims and change orders are being addressed.	
New Continuous Catalyst Regeneration (CCR) Platforming Unit	1,592.40	1,383.00	2004-2010	Commercial Bank	1,221.90	49.00	20.00	92.00	Mechanical works completed. Start up activities in progress. Project is 99.6% overall completed.	
New Alkylation Unit/Acid Plant	586.50	1,952.00	2004-2010	Commercial Bank	1,497.30	172.20	120.00	162.50	Engineering work completed and procurement is 99.1% completed. Concrete paving completed on Alky Unit and ongoing on Acid Unit. Asphalt paving and installation of contaminated water system continues on both units. Mechanical equipment erection as well as power and control cable pulling continues. Overall project completion is 97.4%.	

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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Offsites and Utilities (O & U)	1,190.70	1,705.00	2004-2010	Commercial Bank	895.00	248.10	300.00	281.30	The major design works for OSBL completed. Tenders issued and bids received for repairs to the new packaged boilers. Building and block work continued on the electrical substation. The deaerator structural steel erection commenced in March after completion of the north-south rack. Acid Alky tie-ins are ongoing and are being done as permission is granted by operations. Tanks # 79, 80 and 86 are ready for hydrotesting but is awaiting availability of water. Alky Acid pipe rack foundations works continued north of new Alku Unit.	
Refining & Marketing										
Ultra Low Sulphur Diesel Plant (USLD) - New Hydrodesulphurization/ Hydrodearomatization Unit (HDS/HAD)	1,081.40	2,469.60	2007-2012	70% debt 30% internal funds	100.10	151.40	471.00	1,749.10	This is the construction of a diesel hydrodesulphurisation/ hydrodearomatization plant to produce ultra-low sulfur, low aromatic diesel. EPC contractor will procure long lead items in fiscal 2009/2010. Preparation of site for USLD plant and site offices in progress. EPC contractor to mobilise for construction by mid 2010.	Expected completion date is 2nd quarter 2012.
Gas to Liquids (GTL) - JV - 51% World GTL Trinidad & 49% Petrotrin	850.00	1,466.00	2004 - 2010	45% debt 55% internal funds	1070.80	52.20	0.00	0.00	Petrotrin partnered with World GTL to construct a diesel plant at Pointe-à-Pierre to produce high quality diesel for use in blending product for local market.	Project is currently in Receivership. Cost and Schedule to completion being re-assessed.

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Exploration & Production										
Seismic Acquisition - Land	175.00	275.00	2009-2011	Internal funds	0.60	1.80	172.60	100.00	Scope is to acquire 250km ² 3D seismic (Phase 1) on land to allow for mapping of new reserves. Contract is being finalised for execution. Seismic survey expected to commenced May 2010. Proposed modification to increase survey size may delay the survey and increase project cost to \$275mn. Seismic permitting commenced mid-October 2009 and is ongoing.	Acquire approximately 250 km ² 3D seismic (Phase 1) over the core Land fields, Forest Reserve and Fyzabad.
Primary Drilling- Soldado	50.00	50.00	2009-2010	Internal funds	0.00	0.00	0.00	50.00	Drilling has been deferred to fiscal 2010/2011	1 rig-year drilling programme in Trimmar acreage.
Primary Drilling Land	30.00	30.00	2009-2010	Internal funds	0.00	0.00	30.00	0.00	Preparatory works for the drilling of six wells on land in progress.	Original programme was for a one year drilling programme now revised to a three month programme on land of six wells. Actual drilling to commenced during last quarter of fiscal year 2010.
Land Drilling-EOR Infill/ Replacement/Outstep Drilling	40.00	40.00	2009-2010	Internal funds	0.00	3.40	36.60	0.00	Scope is to drill and complete twelve (12) EOR wells on land. Drilling commenced in March 2010 and one (1) well is completed, drilling of second well is in progress.	Drilling and completion of approximately twenty (20) Infill/ Replacement/Outstep wells (producers and injectors) in Petrotrin's existing and planned new and expansion Enhanced Oil Recovery (EOR) areas on Land in order to optimise and/or develop production
Installation of a sub-sea pipelines using coiled pipe technology	50.00	58.60	2008-2010	Internal funds	33.60	1.60	23.40	0.00	This project involves the installation of a 2" - 5" sub-sea pipelines in Trimmar's fields using coiled tubing technology. Seven of the 2"-4" pipelines have been installed and is 76% completed. Eight of the thirteen 2"-5" lines have also been completed. Work is ongoing.	To install 2-inch to 5-inch sub sea lines using coiled tubing technology. Fabricate and install topside piping to tie-in new pipelines to system.

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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New Reserves Type Workover (NRT) - Trimmar	27.30	27.30	2010-2011	Internal funds	0.00	2.30	0.00	25.00	Five (5) jobs completed in Trimmar	
New Reserves Type Workover NRT'S - LAND	14.50	14.50	2010-2011	Internal funds	0.00	2.50	0.00	12.00	Twelve (12) jobs completed on land	
SWS Fixed Process Platform	240.00	475.00	2008-2012	Internal funds	0.00	0.00	0.00	0.00	To convert producing wells from one form of artificial lift to another more efficient form. The conversion would mainly be from gas lift to pump	Project deferred.
Well Conversion -Trimmar	16.30	16.30	2010-2011	Internal funds	0.00	1.30	0.00	15.00	To undertake studies for exploration prospects and for development options of Cassra. JV arrangement to be finalised.	
Block 22 JV	41.70	41.70	2010-2011	Internal funds	0.00	1.70	0.00	40.00	To pursue G & G studies, technical support, ordering of long lead items for drilling wells in 2011 and upgrade of facilities	
TSP JV	109.50	109.50	2010-2011	Internal funds	0.00	9.50	0.00	100.00	Technical studies ongoing. Partners approved the Baraka Tie-In and Compression (BTIC) project - includes developing Baraka and Baraka East fields and installation of compression at the Carapal Ridge facility. Field Development Plan for Baraka and Baraka East submitted to MEEI.	
Central Block JV	228.80	229.80	2009-2010	Internal Funds	154.20	7.30	0.00	127.30	The drilling of six wells which commenced in July 2009 was completed in September 2009 at a cost of \$455.2mn. Three of the four wells planned on Poinsettia platform for Phase 3c development was completed. The drilling of the fourth well is in progress. The planned two deeper Hibiscus platform wells for Phase 3d was completed. The Hazop issues relating to the implementation of Hibiscus compression project are being addressed.	Installation of compression facilities at Carapal Ridge plant and Baraka / Baraka East Development.
North Coast Marine Acreage (NCMA) JV	964.40	964.40	2008-2010	Internal funds	522.90	158.50	188.40	64.50	Phase 4a Development- Commence preliminary work towards installation of gas compression facilities at Hibiscus platform.	

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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Block 1 A JV	25.20	31.30	2010-2011	Internal funds	0.00	1.30	0.00	30.00	To undertake studies for development options and FEED for development of the Iguana/Zandolie discoveries.	
Construction of Line at Massahood to woodland	33.50	33.50	2010-2011	Internal funds	15.50	0.04	0.00	11.00	This involves the fabrication and installation of a 16" oil pipeline from Massahood to Woodland along the existing 12" Right-of-Way, replacing the old and leak-prone pipeline.	
Platforms Refurbishment	40.50	40.50	2009-2010	Internal funds	0.00	3.10	0.00	15.00	To undertake major refurbishment to several Trimar platforms and Block stations. PL & BS 3-85% completed. PL & BS 22-40% completed and PL & BS 17-3% completed. Contracts awarded for PL&BS 20and 23. Scope of works is been developed for Platform 19.	
Fabrication & Installation of subsea jointed pipe	22.00	22.00	2009-2010	Internal funds	0.00	1.20	20.80	0.00	"Scope is to upgrade several main sub-sea pipelines in Trimar to improve the system reliability. (a) Fabrication of sub-sea section of 6" line from RP 2 to BS 9 has been completed and installation of top side piping is scheduled to be completed by 2010 April 30. (b) Award was made for the fabrication and installation of 4" line from CP 1 to CP 2 and the 6" line from RP 2 to PL 4; fabrication works commenced on 6" line on 2010 April 03. ECD for which is 2010 June 30. Fabrication of 4" line is expected to commence by 2010 June 03 and be completed by 2010 August 03. (c) 10" line between RP 1 & RP 2 was tendered and opened on 2010 March 10 and the bids are currently being evaluated.	Fabrication & installation of approximately 20 minimal landings on offshore platforms.

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$m		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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SWS gaslifting development Phase 1 (Reactivation of existing wells)	324.80	324.80	2009-2010	Internal funds	0.00	0.00	0.00	0.00	Project remains on hold in light of proposed JV effort.	Engineer, procure and install gas sales compressor to facilitate recovery and sales of emitted gas at Trinmar
Vapour Recovery-Phase 2	25.00	25.00	2010-2011	Internal funds	0.00	0.00	0.00	25.00	Scope is to fabricate & install additional piles, braces, deck beams and supports to strengthen platforms to facilitate offshore workover operations using land-based rigs. Based on a structural loading assessment study of 12 platforms done by a consultant, only localised strengthening on some of the platforms are required to facilitate the workovers, however, global strengthening is required for long term viability of these structures. Contract has been awarded to effect localised strengthening on PLs 15 & 18; pipe material is being sourced for the contractor to execute the works. Contract is to be awarded shortly to effect localised strengthening on PL 17. Revised estimate has been submitted by the consultant for global strengthening of one platform, which is currently being reviewed.	Fabricate & install additional piles, braces, deck beams and supports to strengthen platforms to ensure structural integrity.
Structural Upgrade of platforms	60.00	60.00	2009-2011	Internal funds	0.00	1.50	0.00	40.00		
SECC JV	34.00	22.40	2009-2010	Internal funds	0.00	3.70	18.70	0.00	This is for the recompletion of wells OA-2 and OA-3. OA-2 completed and work in progress on OA-3. First gas from Kiskadee compression project expected in June 2010.	

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
	Orig. Cost	Rev. Cost			As at Sep 2009	Oct 2009 to Mar 2010	Apr to Sep 2010	Oct 2010 to Sep 2011		
South West Peninsula (SWP)	21.00	14.00	2008-2009	Internal funds	0.00	0.00	0.00	0.00	Planned exploration has been deferred.	Project Deferred
Trintomar	51.50	51.50	2009-2010	Internal funds	0.00	0.00	51.50	0.00	Drilling of exploration well PA-12 commenced on 20 December 2009. Drilled to TD of 18,655 ft. Completed well in the gas-bearing sands at IP 48 level. Producing at 50 mmcf and 3,500 bcpd.	To recover the existing Production String and recomplete the well by perforating new sands. Some jobs may require application of sand control techniques and or structural repairs. Estimate approximately 8 Trintomar wells.
Primary Development Drilling - Trintomar	260.00	260.00	2008-2009	Internal funds	0.00	0.00	0.00	0.00	A six months drilling programme at a cost of \$260.0mn was originally proposed but was later rejected in the final approved budget. No primary drilling was undertaken in Trintomar for the fiscal year and this project was cancelled. .	Project Cancelled.
Primary Development Drilling - Trintomar	210.90	210.90	2008-2009	Internal funds	210.30	0.00	0.00	0.00	Five wells drilled including one exploration well	Project Completed in September 2008.
Development Drilling - Land	206.20	47.90	2007-2008	Internal funds	47.90	0.00	0.00	0.00	This project was set up to drill twenty-seven (27) wells, it was revised to seventeen (17) and then to thirteen (13) wells which were drilled at a cost of \$47.90Mn It consist of nine primary and three EOR development wells of which one was abandoned.	Project Completed.
Corporate Projects										
Administration Building	190.00	365.00	2005-2011	Internal Fund	113.50	0.00	0.00	227.00	The original estimated cost of the project was \$190.0 million but was revised to \$365.0 million. This project commenced in 2005 and is expected to be completed in 2010	Expected completion date is estimated to be July 2011

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New Refinery Lab	100.00	160.00	2006-2010	Internal Fund	24.90	0.00	135.10	0.00	The design and layout of the laboratory will facilitate improved operational efficiencies and will meet HSE Standards. The design and layout of the new refinery laboratory will be outfitted with the latest state of the art equipment.	Estimated completion date is August 2010.
Road Tank Wagon Loading Bay	200.00	239.00	2006-2012	Internal Fund	0.30	0.00	0.00	0.00	Construction of a new state-of-the-art Road Tank Wagon (RTW) Terminal at the east entrance of Pointe-a-Pierre compound. The project commenced in 2006.	The Road Tank Wagon Terminal portion of the project has been deferred to 2012 due to cost consideration.
Upgrade of Refinery Bulk Electrical Power System (URBP)	419.00	317.00	2009-2010	Internal Fund	10.10	0.00	0.00	306.90	This upgrade provides increased electrical power from 33 MVA to 130 MVA due to increases in the Gas Optimisation Programme (GOP) and non-GOP requirements. The expansion comprises installation of a 132/66 KV sub-station, a new 66/12 KV sub-station, upgrade of overhead 66 KV overhead lines to 175MVA.	Expected completion date is November 2010
New Marine Building and Jetty	67.80	42.00	2007-2013	Internal Fund	5.50	0.00	0.00	21.00	This project consists of a new Launch/Tug Landing Stage (Jetty), and a New Marine Flagship Building for offices, change rooms, lockers and associated facilities. Project suffered major setback from the delay in receiving Certification of Environmental Clearance (CEC) approval. This was received at the end of April 2010.	The New Marine Flagship Building has been deferred to fiscal 2012-2013 due to cost consideration
Total - Petrotrin	11,153.80	16,741.00			7,873.90	1,241.44	1,979.10	3,952.90		

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TRINIDAD AND TOBAGO NATIONAL PETROLEUM MARKETING COMPANY LIMITED (NP)										
Dealer Site Upgrades	6.40	8.31	2007-2010	Internal funds	5.07	2.68	0.56	0.00	Piaco, Ranadan and Tobago completed. Commissioning in 2010/2011	
New 78,000 20lb and 12,000 100lb Cylinders.	18.90	15.70	2008-2011	Internal funds	15.70	0.00	0.00	0.00	Acquisition of valves to meet market specifications.	Completed
Installation of sixteen (16) Diesel Overhead Tanks for CODO and DODO network	1.43	1.43	2010-2011	Internal funds	0.91	0.52	0.00	0.00	Procurement and fabrication is ongoing. Six tanks have been installed	
Pay at the pump Facility	1.87	1.87	2009-2011	Internal funds	1.01	0.26	0.60	0.00	Eighteen have been installed and functional at company owned and two at dealer-owned sites. Installation at five additional sites is in progress	
Design of Lube Oil Blending Plant	7.12	7.12	2008-2011	Internal funds	1.37	0.33	0.63	4.79	Master study completed. The Basic Design Engineering in progress.	Detail Design budgeted for 2011
Lube Oil Blending Plant Modifications	1.50	2.00	2007-2010	Internal funds	0.11	0.60	1.00	0.10	This involved tank modification to the Lube Oil Plant, including tank dedication and dedicated hydraulic system to improve the efficiency and reduce lead time. Eight gauges installed, nineteen expected to be installed in 2010/2011	Nineteen gauges expected to be installed
Excise & Shipping Warehouse	10.00	30.00	2009-2013	loan	0.00	0.00	0.00	30.00	This project involves the construction of an excise and shipping warehouse to cater for increased covered storage and efficiency. This project was re-evaluated as a result of a change in the scope of the project	
Acquisition of twenty Tractors for NP RTWs	14.00	14.00	2010-2011	Internal funds	0.00	0.00	4.20	9.80	Tender awarded. Contract to be finalised	
Aviation Refueller	1.30	2.70	2010-2011	Internal funds	0.00	0.00	2.70	0.00	This is necessary as a result of the relocation of the current facility due to airport realignment works at Piarco.	

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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Automatic Transfer Switch	1.20	2.70	2009-2010	Internal funds	0.00	0.00	0.00	2.70	The scope of this project has been increased to accommodate all of Sea Lots compound.	Deferred to 2011
Acquisition of LPG Cylinders - 60,000 20lbs and 10,000 100lbs	12.28	12.28	2010-2011	Internal funds	0.00	0.00	4.09	8.18	Replacement for rejected cylinders as well as for new customers	
Tobago LPG Plant Upgrade	6.00	6.00	2010-2011	Internal funds	0.00	0.00	0.00	6.00	Building works, electrical, and filling plant to replace the outdated plant	
Gasolin Storage Tobago -Erection of a 5,000 bbl storage tanks	1.00	3.50	2008-2011	Internal funds	0.00	0.00	3.50	1.00	These storage tanks will replace the current leased 150 tanks as storage for additive procured in bulk.	
Lease Land for Two (2) 10,000 bbl Storage tanks at LABIDCO	4.00	3.50	2010-2011	Internal funds	0.00	0.00	3.50	0.00	This project will assist in improving efficiency in the services provided to E&P companies.	
Revamp Fire Control System- Piarco	1.50	2.00	2010-2011	Internal funds	0.00	0.00	2.00	0.00	This project involves an overhaul of the fire control system to increase coverage of Sprinkler System and to increase overall fire water storage capacity	
Gas Oil Facility	1.20	1.20	2010-2012	Internal funds	0.00	0.00	1.20	0.00	Installation of a fuelling system to service NP's Road Tank Wagons (RTW) with gas oil at new base in Carani	
Acquisition of 40,000 valves	2.10	1.93	2010-2011	Internal funds	0.80	0.00	1.13	0.00	This project involves the placement of valves on new 20 lb cylinders and on refurbished cylinders.	
Construction of Control Room at the Piarco Facility	3.00	3.00	2010-2011	Internal funds	0.00	0.00	0.00	3.00	Awaiting Lease finalisation from Airport Authority of Trinidad and Tobago	
Acquisition of four Hose and Two Product dispenser	0.54	0.54	2009-2010	Internal funds	0.00	0.00	0.54	0.00	Items ordered. Delivery expected in 2010	
Image Enhancement	0.65	0.65	2010-2011	Internal funds	0.00	0.00	0.00	0.65	Installation of Signage at Service Stations	Deferred to 2011

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Repairs to NP House	0.75	0.75	2010-2011	Internal funds	0.00	0.00	0.00	0.75		To repair Leaks and replace the current membrane.
Pump /Dispenser Replacements at CODO and DODO network	2.10	2.10	2010-2011	Internal funds	0.00	0.00	0.00	210.00		To upgrade and replace existing equipment in the service station network
Convenience Store outfitting at Four Company owned sites	3.20	3.20	2010-2011	Internal funds	0.00	0.00	0.60	2.60		Outfitting of newly constructed stores NPMC St Charles; D'Abadie ; Starlite and O'Meara
NP Coporate Office - South	1.00	1.00	2011	Internal funds	0.00	0.00	0.00	1.00		Construction of Corporate Office at Sutton Street San Fernando
Outfitting Quality Control Laboratory at Caroni Fuel Facility	1.50	1.50	2010-2011	Internal funds	0.00	0.00	0.00	1.50		Purchase of equipment for laboratory
Total - NPMC	104.53	128.98			24.97	4.39	26.26	282.07		

NATIONAL QUARRIES COMPANY LIMITED (NQCL)

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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Mining and Surveying Equipment Renamed Geophysical Survey	1.20	1.20		Ministry of Energy	0.00	0.00	0.00	0.00		Survey has not yet commenced
Purchase of a Mobile Wash Processing Plant	12.50	12.50	2007-2009	Commercial Bank	0.00	0.00	0.00	0.00		Project completed
Purchase of equipment	4.00	4.00	2007-2009	Commercial Bank	0.00	0.00	0.00	0.00		Project completed
Purchase of one Water Management System Renamed Water Recycling Plant										
Plant purchase Cost	4.00	4.00	2010	Commercial Bank	0.0	0.0	4.0	0.0		Recycled water needed for washing raw pitrun. The recycling plant is being manufactured
Infrastructure Works	4.00	1.00	2010	Commercial Bank	0.0	0.0	1.0	0.0		

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million			Projected Expenditure TT\$ million		Details of Activities for 2011
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Installation of Weightscale, Mining Operation	0.35	0.35	2010	Internal Funds	0.00	0.00	0.35	0.00		To commence in April 2010. Used for weighting pitrun delivered to plant stockpile. It would facilitate accurate measurement and recording. To be completed by September 2010
Re-design and upgrade of Plant #1	3.00	3.00	2010	Internal Funds	0.00	0.00	3.00	0.00	This plant needs major refurbishment and upgrade to improve quality of end products to meet market standard. It is expected that this will increase output by 100% and so increase revenue. Expected completion date of September 2010	
Upgrade of Stores, building & welding room	1.00	1.00	2011	Internal Funds	0.00	0.00	0.00	1.00	Storage capacity needs to be expanded. The welding room need to be upgraded for health and safety reasons. To be completed by December 2010	
Purchase & Installation of one Water Recycling Plant			2010-2013						This will provide NQCL with an additional source of water for aggregate processing during the dry season. Infrastructure work should be done by March 2011 and Plant purchase June 2011.	
Plant purchase Cost	3.80	3.80		Internal Funds	0.00	0.00	0.00	3.80		
Infrastructure Works	1.20	1.20		Internal Funds	0.00	0.00	0.00	1.20		
Construction of bridge at Scott's Quarry	1.00	1.00	2011	Internal Funds	0.00	0.00	0.00	1.00	This construction at the entrance to Scott's quarry will correct the negative effects on sales during the rainy season. Expected to be completed by June 2011	
Paving works	1.00	1.00	2011	Internal Funds	0.00	0.00	0.00	1.00	Paving the access to the main Sales and Weighbridge Office & Admin Building. To be completed June 2011	
Acquisition of one (1)-12 ton truck mounted crane	1.50	1.50	2011	Internal Funds	0.00	0.00	0.00	1.50	Ownership of this equipment will eliminate annual rental cost. To be acquired by September 2011	
Total - NQCL	38.55	35.55			0.00	0.00	8.35	9.50		
Total - Business & Trade Energy Sector	16,482.92	20,405.77			9,863.61	2,076.02	4,007.40	4,757.83		

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BUSINESS & TRADE EXPANSION - NON ENERGY SECTOR										
POINT LISAS PORT DEVELOPMENT CORPORATION LIMITED (PLIPDECO)										
Construct and equip berth 6 at Port Point Lisas with associated yard infrastructure	473.8	473.8	2006-2008	Commercial Bank	0.0	0.0	0.0	0.0	0.0	Project terminated
Construction of second channel at the Point Lisas Harbour	51.98	51.98	2006-2008	Commercial Bank	0.00	0.00	0.00	0.00	0.00	Project terminated
Total - PLIPDECO	525.78	525.78			0.00	0.00	0.00	0.00	0.00	
Total Business & Trade Expansion - Non Energy Sector	525.78	525.78			0.00	0.00	0.00	0.00	0.00	
Total - Business & Trade Expansion	17,008.70	20,931.55			9,863.61	2,076.02	4,007.40	4,757.83		
ELECTRICITY										
TRINIDAD AND TOBAGO ELECTRICITY COMMISSION (T&TEC)										
Construction of Substations										
- San Raphael 132kV	14.50	16.30	2006-2010	Internal funds	11.50	1.70	0.00	0.00	0.00	COMPLETED.
- Macoyia 66kV	13.60	45.00	2006-2010	Internal funds	33.00	1.60	10.40	0.00	0.00	COMPLETED.
- Invaders Bay 33kV	11.40	16.00	2007-2009	Internal funds	0.00	0.00	0.00	0.00	0.00	DEFERRED
- Mt Hope 132kV	63.90	44.10	2006-2010	Internal funds	44.00	0.10	0.00	0.00	0.00	COMPLETED.
- Part-of-Spain (Edward Street) 33kV	42.30	44.50	2007-2010	Internal funds	38.40	0.10	6.00	0.00	0.00	COMPLETED.
- Pt. Cumana 33kV	1.80	1.80	2007-2009	Internal funds	0.00	0.00	0.00	0.00	0.00	DEFERRED

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- Tarouba 66kV	27.00	56.50	2007-2010	Internal funds	31.70	5.50	19.30	0.00	Project ongoing	
Rehabilitation of Substations										
- Five Rivers 33kV	9.80	9.80	2008-2009	Internal funds	0.00	0.00	0.00	0.00	DEFERRED	
- O'Meara 33kV	9.80	9.80	2008-2009	Internal funds	0.00	0.00	0.00	0.00	DEFERRED	
- Trincity 66kV	0.90	6.50	2006-2010	Internal funds	5.80	0.00	0.70	0.00	Project ongoing	
Establishment of Substations										
- Otaheiti 33kV Substation	17.50	4.50	2007-2010	Internal funds	3.60	0.80	0.10	0.00	Construction of a 33kV substation. Project Ongoing	
- Essar 220kV Substation	20.00	20.00	2006-2007	Internal funds	0.00	0.00	0.00	0.00	DEFERRED	
- Carisal 132kV Substation	16.40	16.40	2006-2010	Internal funds	8.40	0.00	8.00	0.00	This project is ongoing.	
Construction of Transmission Lines										
- Mesopotamia to Roxborough 66kV Line	12.00	3.50	2007-2010	Internal funds	0.00	0.00	3.50	0.00	This project is ongoing.	
- Fyzabad Otaheiti 66kV Line	10.00	0.40	2008-2010	Internal funds	0.00	0.00	0.40	0.00	This project is ongoing.	
- Essar/Brechin Castle/Reform 220kV Tower Line	43.00	45.00	2007-2010	Internal funds	35.20	0.50	9.30	0.00	This project is ongoing.	
- Penal - Harmony Hall 66kV Tower Line	11.00	11.00	2008-2010	Internal funds	0.00	0.00	0.00	0.00	COMPLETED.	
- Brechin Castle/Carisal 132kV Pole Line	10.00	10.00	2007-2010	Internal funds	0.00	0.00	0.00	0.00	DEFERRED	
Upgrade of Circuit Breakers										
- Pt. Cumana	2.00	2.00	2007-2009	Internal funds	0.00	0.00	0.00	0.00	DEFERRED	
- Scarborough	3.30	2.00	2007-2009	Internal funds	0.00	0.00	0.00	0.00	DEFERRED	
- Centrin	1.30	1.30	2007-2010	Internal funds	0.10	0.00	0.70	0.50	Project is ongoing	

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									As at Sep 2009			Oct 2009 to Mar 2010
Installation of New 12kV Switchboards												
- M.5000	2.20	2.20	2007-2010	Internal funds	0.10	0.00	1.20	0.00	0.00	This project is ongoing.		
- Pt. Cumana	1.20	1.20	2007-2010	Internal funds	0.00		0.00	0.00	0.00			
- Pt. Licas	1.00	1.00	2007-2010	Internal funds	0.00		0.00	0.00	0.00			
Transformer Upgrades												
Penal 100MVA 132/66kV Transformers	7.90	7.90		Internal funds	0.00		0.00	0.00	0.00	DEFERRED		
Pt Cumana	1.40	2.20	2007-2010	Internal funds	2.20	0.00	0.00	0.00	0.00	COMPLETED.		
St. Augustine	4.30	4.30	2007-2010	Internal funds	2.10	0.00	2.20	0.00	0.00	This project is ongoing.		
Brechin Castle	1.40	2.60	2007-2010	Internal funds	2.60	0.00	0.00	0.00	0.00	COMPLETED.		
Central	1.20	5.10	2007-2010	Internal funds	5.10	0.00	3.90	0.00	0.00	Replaced a 12kV Board and installed one (1) at the central substation.		
Upgrades of 12kV Network												
- Down the Islands (Submarine)	5.00	5.00	2007-2009	Internal funds	0.00	0.00	0.00	0.00	0.00	Project deferred.		
- Brighton	1.70	5.00	2007-2009	Internal funds	0.00	0.00	0.00	0.00	0.00	Project deferred.		
- L'Anse Fourmi	1.00	1.00	2007-2009	Internal funds	0.00	0.00	0.00	0.00	0.00	Project deferred.		
- Scarborough (U/G)	1.80	1.80	2007-2009	Internal funds	0.00	0.00	0.00	0.00	0.00	Project deferred.		
- Brechin Castle	1.20	1.20	2007-2009	Internal funds	0.00	0.00	0.00	0.00	0.00	Project deferred.		
Additional Projects												
Purchase of seven (7) 4x4 Pick Up Vehicles	1.50	1.50	2009	Internal funds	1.50	0.00	0.00	0.00	0.00	COMPLETED.		

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Pole Replacement in all Distribution Areas	61.70	129.40	2007-2011	Internal funds	96.30	15.40	11.90	5.80	Purchase and installation of poles. Ongoing.	Purchase and installation of poles. Ongoing.
Land Acquisition										
- Freeport	1.20	1.20	2007-2009	Internal funds	0.00	0.00	0.00	0.00	Project deferred.	
Others										
Software Acquisition GIS, GPS & AMR in all Distribution Areas	17.60	20.30	2007-2010	Internal funds	14.90	1.20	4.20	0.00	Project ongoing.	
Voltage Correction in all Distribution Areas	23.70	31.30	2007-2011	Internal funds	13.10	1.60	14.60	2.00	Project ongoing.	
Overhead lines, aging infrastructure and Distribution upgrades	559.10	1,023.00	2006-2011	Internal funds	382.80	56.40	446.90	136.90	Several projects from 2010 were merged into this. These are Network, Aging Infrastructure and Distribution Upgrades. Project ongoing.	
Establishment of the Charleville 66kV Substation	12.00	15.00	2005-2010	Internal funds	6.40	0.00	8.60	0.00	Project ongoing.	
Implementation of an ISO9000 Quality Management System	1.00	1.00	2010	Internal funds	0.00	0.00	1.00	0.00	Project ongoing.	
Substation Load Monitoring and Load Research	7.80	7.90	2005-2010	Internal funds	2.90	0.00	5.00	0.00	Project ongoing.	
System Control and Distribution Automation and upgrade (SCADA)	18.00	20.90	2006-2010	Internal funds	3.20	0.40	17.30	0.00	Project ongoing.	
Automation of the distribution system and installation of remote	21.00	21.00	2005-2009	Internal funds	0.00	0.00	0.00	0.00	DEFERRED	
Installation of a trunk radio network	1.00	1.00	2006-2009	Internal funds	0.00	0.00	0.00	0.00	DEFERRED	
Purchase of Hydraulic and large Tools	2.40	2.40	2006-2009	Internal funds	2.40	0.00	0.00	0.00	COMPLETED.	

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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Establishment of Power Station										
Establish Cove Power Station	485.00	562.80	2007 - 2010	Government Guaranteed Loan	231.20	331.60	0.00	0.00	COMPLETED.	
Purchase Spares for Tobago Power Station	2.70	2.40	2006 - 2010	Internal funds	2.40	0.00	0.00	0.00	COMPLETED.	
Bulk Power										
Bamboo Sealots Line	43.00	43.00	2005-2010	Internal funds	33.30	0.00	10.10	0.00	Project ongoing	
Sealots/Gateway Substation	100.00	100.00	2005-2010	Internal funds	43.20	4.40	52.40	0.00	Project ongoing.	
Gateway Substation	90.60	90.60	2004-2010	Internal funds	82.60	2.90	5.10	0.00	Project ongoing.	
Brechin Castle 132kV/220kV Substation expansion	80.00	98.00	2006-2010	Internal funds	43.70	25.10	29.20	0.00	This project is ongoing.	
Establish Union 132kv S/S	70.80	75.40	2006-2010	Internal funds	46.50	28.90	0.00	0.00	Project ongoing.	
Debe/Penal 132kv DC Tower Line	18.30	18.30	2006-2010	Internal funds	14.30	0.00	4.00	0.00	Project ongoing.	
Establish 66kV at Milford Bay Tobago and upgrade the 33kV Circuits	43.00	68.00	2008-2011	Internal funds	44.00	3.00	5.00	16.00	Project ongoing.	
Advanced Metering Infrastructure	250.00	275.80	2007-2010	Internal funds	266.40	9.40	0.00	0.00	Project ongoing.	
Fibre Optic Network and microwave System	66.00	107.10	2003-2010	Internal funds	48.60	4.00	39.50	15.00	Project ongoing.	
Other Projects										
Information Systems	96.50	137.90	2005-2011	Internal funds	68.10	3.10	63.70	3.00	Project ongoing.	
Building and Renovations	38.60	137.90	2005-2010	Internal funds	7.70	11.50	86.50	32.20	Project ongoing.	
Est. 66kv substation-Tobago	21.20	38.70	2007-2011	Internal funds	26.70	3.00	7.00	2.00	Project ongoing.	
Comp. To Land Owners - Debe, Penal, Reform, Wallerfield, Mt Hope	29.50	36.00	2007-2010	Internal funds	1.60	0.90	27.00	6.50	Project ongoing.	

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Est 66kV Tower Line	15.00	15.00	2008-2010	Internal funds	5.90	6.60	4.00	0.00	Project ongoing.	
Reform/Debe Transmission Line	13.00	27.90	2009-2011	Internal funds	0.00	0.10	13.80	14.00	Project ongoing.	
Construct 132kV S/S@C'bean Dr	12.00	12.00	2007-2010	Internal funds	11.70	0.00	0.30	0.00	Project ongoing.	
Pur. Transformer-Transmission	10.00	13.00	2007-2010	Internal funds	10.60	0.00	2.40	0.00	Project ongoing.	
Vehicles	10.20	31.20	2005-2010	Internal funds	0.70	0.00	25.00	5.50	Project ongoing.	
Surveys- Debe, Galeota, Penal, B/Castle, Chatham	9.50	9.80	2007-2010	Internal funds	1.10	0.10	8.60	0.00	Project ongoing.	
Construction	8.00	8.50	2004-2010	Internal funds	4.50	0.30	3.70	0.00	Project ongoing.	
Procurement of 33kV OHD Cond.	7.50	7.50	2009-2010	Internal funds	0.00	0.00	7.50	0.00	Project ongoing.	
Upgrade Trincity Sub Station	6.50	6.50	2005-2010	Internal funds	5.80	0.00	0.70	0.00	Project ongoing.	
Purchase Security Equipment	6.30	6.30	2008-2010	Internal funds	0.30	0.60	5.40	0.00	Project ongoing.	
Land acquisition	4.50	5.50	2007-2010	Internal funds	0.40	0.00	5.10	0.00	Project ongoing.	
Supp.to Petrotrin	4.00	4.00	2009-2010	Internal funds	0.00	0.00	4.00	0.00	Project ongoing.	
Pinto Rd/N.Oropouche 66kV	4.00	4.00	2009-2010	Internal funds	0.00	0.60	3.40	0.00	Project ongoing.	
Replace Breakers @ Substation	3.70	3.70	2007-2010	Internal funds	0.50	0.00	3.20	0.00	Project ongoing.	
Upgrade Santa Cruz S/ Station	3.60	3.60	2005-2010	Internal funds	3.50	0.00	0.10	0.00	Project ongoing.	
San Rafael/S.Grande 66kV	3.00	8.00	2009-2011	Internal funds	0.00	0.60	4.40	3.00	Project ongoing.	
Operating depot in the west	3.00	3.00	2008-2010	Internal funds	1.20	0.40	1.40	0.00	Project ongoing.	
Cascade/Belmont 33kV Circuit	2.50	3.10	2008-2010	Internal funds	0.10	0.00	3.00	0.00	Project ongoing.	

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S/L Install @CRH & UBH interse	2.10	2.10	2010	Internal funds	0.00	0.00	2.10	0.00	Project ongoing.	
Replace Prof.Equi-Transmission	2.10	2.10	2007-2010	Internal funds	0.50	0.40	1.20	0.00	Project ongoing.	
Aca Switchboard @ Pt Cumana	2.00	2.00	2007-2011	Internal funds	0.00	0.00	2.00	0.00	Project ongoing.	
Pur. Comm. Equip for Pt. Lisas	2.00	2.00	2009-2010	Internal funds	0.00	0.00	2.00	0.00	Project ongoing.	
Const. @ San Juan S/S	2.00	2.00	2009-2010	Internal funds	0.00	0.00	2.00	0.00	Project ongoing.	
Construct Switchrm@ Cumana	1.80	1.80	2007-2011	Internal funds	0.10	0.00	1.70	0.00	Project ongoing.	
Port of Spain/Wrightison Rd 33k	1.50	1.50	2008-2010	Internal funds	0.00	0.00	1.50	0.00	Project ongoing.	
Barataria/Abatfior 33kV circui	1.50	1.50	2009-2010	Internal funds	0.00	0.00	1.50	1.50	Project ongoing.	
Gen. O/Haul @ S/Borough P/Stat	1.40	1.40	2009-2010	Internal funds	1.10	0.00	0.30	0.00	Project ongoing.	
M5000 S/Board	1.30	1.30	2007-2010	Internal funds	0.10	0.00	1.20	0.00	Project ongoing.	
Cove Industrial Estate	1.00	1.20	2008-2010	Internal funds	0.30	0.00	0.90	0.00	Project ongoing.	
Baratari/Morvant 33kV Circuit	1.00	3.00	2008-2010	Internal funds	0.60	0.00	0.40	0.00	Project ongoing.	
Purchase Hotline Tools	1.00	1.00	2009-2010	Internal funds	0.00	0.00	1.00	0.00	Project ongoing.	
Maj Overhaul of #3 Gen Machine	1.00	1.00	2007-2010	Internal funds	0.30	0.00	0.70	0.00	Project ongoing.	
Pinto Rd S/S Upgr	24.70	24.70	2005-2010	Internal funds	6.80	9.00	0.00	0.00	COMPLETED.	
Wallerfield/Pinto Rd 66kV Line	5.50	9.20	2006-2010	Internal funds	9.20	0.00	0.00	0.00	COMPLETED.	
Purch of Sub Station Hardware	2.00	3.50	2007-2010	Internal funds	3.50	0.00	0.00	0.00	COMPLETED.	
Repl 12kV Board @ Central S/S	1.00	3.30	2007-2010	Internal funds	3.30	0.00	0.00	0.00	COMPLETED.	

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Close B/C-Desalcoff 132KV Ring	2.20	2.30	2006-2010	Internal funds	2.20	0.10	0.00	0.00	COMPLETED.	
Total - Electricity	2,719.40	3,714.20			1,781.90	531.90	1,019.20	243.90		

TOURISM

EVOLVING TECHNOLOGIES AND ENTERPRISE DEVELOPMENT COMPANY OF TRINIDAD & TOBAGO LIMITED (ETECK)

Hilton Trinidad Hotel Renovation & Improvement	222.00	633.70	2005-2011	PSIP Funds TT\$109.95 and Debt TT\$410 First Caribbean International Bk	362.34	78.75	58.91	133.70	Phase 1,2,3 and Package 1 are completed and fully operational. To date the remaining scope of works (Package 2 to 5) are approximately 79% completed	Extensive renovation of the La Boucan restaurant, Carnival Bar, Entrance Road way, General Exterior Infrastructure to be undertaken. In addition Three Meal Restaurant, Pastry and Butcher Shop, Staff Restaurant and Pool Deck will be renovated.
Total - eTeck	222.00	633.70			362.34	78.75	58.91	133.70		

URBAN DEVELOPMENT CORPORATION OF TRINIDAD AND TOBAGO (UDECOIT)

POS International Waterfront Complex	1,600.00	2,966.77	2005 - 2009	Commercial Bank	2,804.10	36.10	0.00	0.00	The project includes two (2) 26-storey office towers at 885,000 sq. ft. combined, a 22-storey, 409,000 sq. ft. 428-room Hyatt Regency Hotel; seven-story car park.	COMPLETED
Academy for the Performing Arts - North	494.39	715.46	2007 - 2010	Loan from Republic of China / IDF	555.17	123.33	0.00	36.96	The North Academy has been opened and handed over to Government. Expenditure in 2011 is the payment of retention	COMPLETED
Academy for the Performing Arts - South	329.61	389.49	2007 - 2010	Loan from Republic of China / IDF	116.46	32.55	205.95	34.53	The scope of the project includes 110,093.3 square feet facility and will feature an acoustically designed performance theatre, two practice halls, performing arts teaching facilities and parking facilities. Construction is ongoing.	The South Academy is expected to be completed by January 2011 by the SCG International Limited.

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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Invoaders Bay- Phase 1	48.00	49.60	2004-2009	Commercial Bank	47.60	2.00	0.00	0.00	This project involves reclamation of land from the Gulf of Paria in North Western Trinidad.	COMPLETED
Total - UDeCOTT	2,472.00	4,121.32			3,523.33	193.98	205.95	71.49		
Total - Tourism	2,694.00	4,755.02			3,885.67	272.73	264.86	205.19		
TRANSPORT & COMMUNICATION										
NATIONAL HELICOPTER SERVICES LIMITED (NHSL)										
Galeota Heliport	5.00	12.09	2007-2011	Commercial Bank	0.08	0.00	3.00	9.00	Land Survey Completed. Construction works commenced	
New Camden Passenger Terminal	10.00	15.50	2007-2011	Internal Funds/Capital Injection	0.80	0.02	3.75	10.93	Land Survey Completed. Construction works commenced	
Acquisition of one (1) S76C++ Helicopter	75.00	75.00	2010	Capital Injection	0.00	0.00	63.00	12.00	Financing Requested from Banking Sector.	
Acquisition of NGC Hanger at Camden	7.40	7.40	2010	Internal funds	0.00	0.37	7.00	0.00	Facilities operating under Licenses/Purchase Agreement until Purchase Price is determine.	
Total - Helicopters	97.40	109.99			0.88	0.39	76.75	31.93		

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PORT AUTHORITY OF TRINIDAD AND TOBAGO (PATI)										
Acquisition of a Reach Stacker Crane	3.40	3.40	2007 - 2008	Internal Funds	0.00	0.00	0.00	0.00	0.00	Due to reduced cash flows the procurement of this equipment was postponed.
Acquisition of a Ship to Shore Crane	59.00	60.60	2006 - 2008	Government Bond	60.60	0.00	0.00	0.00	0.00	The Ship to Shore Crane was procured from Liebherr Crane of Ireland at a cost of \$60.560 commissioned on June 4th 2008. The crane is currently in active use.
Total - Port Authority	62.40	64.00			60.60	0.00	0.00	0.00	0.00	
COMMUNICATION										
TELECOMMUNICATIONS SERVICES OF TRINIDAD AND TOBAGO LIMITED (TSTT)										
Broadband	170.00	308.30	2008-2010	Internal funds	194.30	114.00	0.00	0.00	0.00	EVDO Coverage; Broadband Expansion; Blink Plus; New Product Development Broadband Expansion. TSTT expended \$ 194.3 million.
Fixed and Carrier Services	40.50	40.50	2007-2010	Internal funds	19.30	0.10	0.00	0.00	0.00	Funds expended for the acquisition of a Voice Over Internet Protocol (VOIP) Platform as well as Next Generation Generation (NGN) Digital Loop Carrier (DLC) Cutovers, Carrier Interconnections as well as Customer Premises Equipment (CPE) as well as prepaid platform upgrade, billing software and outfitting the workforce with tools.

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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Mobile Services	148.80	166.00	2007-2010	Internal funds	88.00	78.00	0.00	0.00	Expended on 1800 to 1900 Radio Migration and resiliency project. Coverage improvements, billing system upgrade and power and backup systems.	
Enterprise Services	86.90	205.20	2007-2010	Internal funds	55.20	150.00	0.00	0.00	Expenditure concentrated for the provision of Government Fibre based IP Services, Government backbone phase 2 and PABX and data related rental equipment.	
Access Infrastructure and New Business	172.10	179.40	2007-2010	Internal funds	132.40	47.00	0.00	0.00	OSP Modernization; Electronic Security Upgrades; Cabinet Access Control; IT/technical Security; Integrated Fraud Detect.	
Security		56.00	2007-2010	Internal funds	12.00	44.00	0.00	0.00	The expenditure of \$44mn was used to provide security cameras for the International conferences hosted by GoRTI.	
Technology	96.30	446.90	2007-2010	Internal funds	110.90	336.00	0.00	0.00	Upgrades on Network Management System, Data Centre implementation, Transport Engineering and Development and Network Power System upgrades	
Subscription Television Service-Entertainment	39.00	39.00	2009-2010	Internal funds	0.00	39.00	0.00	0.00	TSTT entered this market in November 2009 in a restricted geographical area with the launch of its own subscription television service.	
Upgraded Telecommunications Services	26.00	26.00	2009	Internal funds	0.00	26.00	0.00	0.00	TSTT upgraded its telecommunications services to provide for the two international summits held in 2009.	

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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Other	55.00	61.90	2007-2010	Internal funds	20.90	41.00	0.00	0.00	Rationalization of Regulatory; Asset; Finance; HR & Administration; Marketing; Customer Services.	
Total- TSTT	834.60	1,529.20			633.00	875.10	0.00	0.00		
Total - Transport & Communication	994.40	1,703.19			694.48	875.49	76.75	31.93		

EDUCATION & TRAINING

NATIONAL MAINTENANCE TRAINING AND SECURITY COMPANY LIMITED (MTS)

SEMP Phase II	569.00	396.30	2002 - 2009	Bond from Unit Trust Corporation of T&T	350.10	0.00	0.00	0.00	Construction, refurbishment and construction of additional rooms to the 8 schools - cost of \$350.1 million from a Bond of \$396.3 issued in 2001.	COMPLETED
Total- MTS	569.00	396.30			350.10	0.00	0.00	0.00		
Total- Education & Training	569.00	396.30			350.10	0.00	0.00	0.00		

HOUSING & SETTLEMENTS

URBAN DEVELOPMENT CORPORATION OF TRINIDAD AND TOBAGO (UDECOIT)

PROJECTS (Housing)

Canaan Road La Romaine	7.69	19.99	2006-2009	Commercial Bank	3.44	0.59	0.00	11.73	Land development: The site has been cleared and fenced. The site is continuously maintained.	Project is on hold as Management is still to decide how to proceed with this project
Valsayn Real Spring	160.66	164.12	2005-2011	Commercial Bank	137.63	3.28	14.11	9.10	Project on going.	
Total - UDeCOTT	168.35	184.11			141.07	3.87	14.11	20.83		
Total - Housing & Settlement	168.35	184.11			141.07	3.87	14.11	20.83		

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$Mn		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$ million		Projected Expenditure TT\$ million		Status as at March 2010	Details of Activities for 2011
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ADMINISTRATION										
PUBLIC ORDER & SAFETY										
AIRPORTS AUTHORITY OF TRINIDAD AND TOBAGO										
Infrastructure Airport Hotel Site	105.00	105.00	2010-2011	Gov't Guaranteed loan	0.00	0.00	0.00	95.00	Tender for a RFP for a design build contract will close on July 02,2010.	
Airport Facilities Maintenance	30.00	30.00	2008	Loan	0.00	0.00	0.00	0.00	Design in development stage. Project Deferred	
Feasibility Study on Piarco Airport Aviation Estate Development	3.00	3.00	2007	USTDA Grant	0.00	0.00	0.00	0.00	Grant Agreement to be executed.	
Crown Point Airport Expansion and Modification-Design & Construction of Ramp & Terminal facilities at Crown Point Airport	100.00	100.00	2009-2011	Loan	2.10	0.00	0.00	0.00	These facilities will cater for the international and domestic passengers. The project includes the purchase of pre-fab building, foundation works including plumbing & electrical facilities. Project expected to be completed by 2011	
Total - Airports Authority	238.00	238.00			2.10	0.00	0.00	95.00		
Total - Public Order & Safety	238.00	238.00			2.10	0.00	0.00	95.00		
PUBLIC ADMINISTRATION										
URBAN DEVELOPMENT CORPORATION OF TRINIDAD AND TOBAGO (UDECOIT)										
PROJECTS (Gov't Accommodation)										
Government Campus Plaza Project includes:	1,200.00	3,124.50								
-10-storey Customs & Excise headquarters Building:			2004-2011	Commercial Bank	148.10	1.37	98.56	78.65	Outfitting of the Building.	Outfitting of the Building.

Projects & Programmes Recommended for Priority Funding	Estimated Total Cost of Project TT\$m		Start Date and Duration of Proj.	Financing Arrangements	Actual Expenditure TT\$m		Projected Expenditure TT\$m		Status as at March 2010	Details of Activities for 2011
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-22-storey Board of Inland Revenue Building;			2004-2011	Commercial Bank	596.70	50.77	66.81	183.82	Mechanical and Electrical works to be completed	Installation of a Digital LED Signage and Outfitting of the Building.
- 22-storey Legal Affairs Tower;			2004-2011	Commercial Bank	420.60	8.30	492.30	361.10	92% of the construction completed	Outfitting of the Building.
-9-storey Ministry of Education Building(Formerly Social Development Tower); and			2005-2011	Commercial Bank	169.70	13.90	242.70	189.30	77% construction completed. Expected completion date is September 2010.	Outfitting of the Building.
-6-storey Government Campus Plaza Parkade			2005-2011	Commercial Bank	521.90	30.90	66.81	61.20	Major construction work completed	Elevator Repairs and outfitting
St. Vincent Place-New office Accommodation for the Ministry of Public Administration.	0.00	0.00	2004-2009	Government funded	0.00	0.00	0.00	0.00	Project funded by Government.	
Chancery Lane Office Complex- San Fernando	100.00	898.48	2005-2011	Commercial Bank	446.57	17.10	79.59	195.34	The complex encompasses 300,000 sq. ft. of complex and will include a 50,000 square foot two (2) storey public library, three storey retail space and three storey car par facility. The main building is 74% completed and the car park is 46% completed.	The project has been halted with the contractor abandoning the site. UdeCOTT is facing court action from the contractor Johnson International Limited.
Scarborough Financial Complex	0.00	0.00	2005-2009	Government funded	0.00	0.00	0.00	0.00	Project funded by Government.	
Scarborough Regional Library	0.00	0.00	2005-2009	Government funded	0.00	0.00	0.00	0.00	Project funded by Government.	
Social Development Tower- St. Vincent Street	509.31	704.94	2005-2009	Commercial Bank	362.83	19.51	20.06	301.69	This is the construction of an office complex. Construction works completed in October 2009. The project is on pending the award of contract for the outfitting of the building.	
Total - UDeCOTT	1,809.31	4,727.92			2,666.40	141.85	1,066.83	1,371.10		
Total Public Administration	1,809.31	4,727.92			2,666.40	141.85	1,066.83	1,371.10		
TOTAL SUPPLEMENTARY PSIP	26,201.15	36,650.28			19,385.33	3,901.86	6,449.15	6,725.78		

NOTE: A \$0.00 value for ongoing and new projects indicates that no information was available

GLOSSARY

AATT	Airports Authority of Trinidad and Tobago	LOA	Length Over All
ADP	Airports Development Project	LPG	Liquid Petroleum Gas
API	American Petroleum Institute	LV	Low Voltage
ASDL	Asymmetric Digital Subscriber Line	M	metre
Bbl	Barrels	mbpcd	Thousand barrels per calendar day
Bcfd	Billion cubic feet per day	Mmscfd	Million Standard Cubic feet per day
BED	Basic Engineering Design	MTS	National Maintenance, Training and Security Company Limited
Bopd	Barrels of oil per day	NCMA	North Coast Marine Acreage
BOOT	Built, Own, Operate, Transfer	NEC	National Energy Corporation of Trinidad and Tobago Limited
Bpd	Barrels per day	NGC	The National Gas Company of Trinidad and Tobago Limited
BPSD	Barrels per standard day	NGPL CIP	NGC Pipeline Company Limited Cross Island Pipeline
BUD	Beachfield Upstream Development	NHSL	National Helicopter Services Limited
Capex	Capital Expenditure	NIPDEC	National Insurance Property Development Company Limited
CCR	Continuous Catalyst Regeneration Platforming Unit	NRT	Non Reserve Types
CCTV	Closed Circuit Television	NQCL	National Quarries Company Limited
CDMA	Code Division Multiple Access	OSBL	Outside Battery Limits
CEC	Certificate of Environmental Clearance	PATT	Port Authority of Trinidad and Tobago
CIP	Cross Island Pipeline	PETROTRIN	Petroleum Company of Trinidad and Tobago Limited
CWMS	Computerised Work Management System	Ph	Phase
Dwt	Dead Weight Tonnes	PLIPDECO	Point Lisas Industrial Prot Development Corporation Limited
EIA	Environmental Impact Assessment	PPP	Public-private Partnership
E&P	Exploration and Production	PSIG	Pounds Per Square Inch Gauge
EVDO	Evolution-Data Optimised	PSIP	Public Sector Investment Programme
EPC	Engineering Procurement Construction	QMS	Quarterly Management System
EPCM	Engineering Procurement Construction Management	ROW	Rights of Way
eTeck	Evolving Technologies and Enterprise Development Company Limited	RTG	Rubber Type Gantry
ETW	Expense Type Workovers	RTW	Road Tank Wagon
FEED	Front-End Engineering Design	SEMP	Secondary Education Modernization Programme
FCCU	Fluid Catalytic Cracking Unit	SBU	Single Bedroom Unit
FR UMLE	Forest Reserve Upper Morne L'Enfer	SFU	Single Family Unit
GOP	Gasoline Optimisation Programme	SPSIP	Supplementary Public Sector Investment Programme
GoRTT	Government of the Republic of Trinidad and Tobago	TCAS	Traffic Collision Avoidance System
GSM	Global System for Mobile Communications	TDMA	Time Division Multiple Access
GTL	Gas to Liquids	TPD	Tonnes Per Day
HDS/HAD	Hydrodesulphurization/ Hydrodearomatization	TTIFC	International Financial Centre in Trinidad and Tobago
HDD	Horizontal Directional Drilling	T&TEC	Trinidad and Tobago Electricity Commission
HDC	Trinidad and Tobago Housing Development Corporation	TEUs	Twenty Foot Equivalent Units
HMA	Hot Mix Asphalt Paving	TF	Transformers
HR	Human Resource	THA	Tobago House of Assembly
HV	High Voltage	TTRA	Trinidad and Tobago Revenue Authority
IDF	Infrastructure Development Fund	UAN	Uranium Ammonia Nitrate
ICT	Information Communication and Technology	USLD	Ultra Low Sulphur Diesel
IT	Information Technology	URD	Underground Transmission and Distribution
IFCMC	International Financial Centre Management Company	UDeCOTT	Urban Development Corporation of Trinidad and Tobago Limited
Km	Kilometre	UTT	University of Trinidad and Tobago
F-T	Fischer Tropsch	3BU	Three Bedroom Unit
kV	Kilovolt	VOIP	Voice Over Internet Protocol
LABIDCO	La Brea Industrial Development Company Limited		
LIC	Light Industrial Customers		
LNG	Liquefied Natural Gas		