



SPEAKING NOTES
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MINISTER OF SCIENCE, ENERGY & TECHNOLOGY
AT THE
HANDING OVER CEREMONY
FOR
MAY PEN HOSPITAL AIR CONDITIONING UPGRADE PROJECT
IMPLEMENTED BY THE PETROLEUM CORPORATION OF JAMAICA
May 9, 2019

Salutations:

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Ladies and gentlemen, it is my absolute pleasure to participate in today's ceremony to celebrate the successful completion of the extensive work that was carried out at the May Pen Hospital.

I believe that this is a significant milestone in the history of this hospital and I must commend the Petroleum Corporation of Jamaica (PCJ) and the Energy Efficiency and Conservation Programme (EECP) for the investments that you have been making

not just in energy but also in the life and work of public sector workers and institutions and the people they serve.

The Project

Now while previous speakers have already said much about the EECP's impact, please allow me to elaborate on the merits of the specific interventions which were undertaken as part of this project.

The scope of work involved the replacement of inefficient, high-energy consuming air-conditioning units with modern, state of the art, air-conditioning solutions designed to reduce electricity consumption, which will lower operating costs.

More specifically:

- A modern, energy efficient cooling system which utilizes a Rooftop Packaged System Design, was installed at the Accident and Emergency Department which has ensured that the facility is now compliant with the requisite fresh air requirements.

- A cooling system was also installed which utilizes a Variable Refrigerant Flow (VRF) which adjusts the level of cooling according to building use and temperature conditions.
- Additionally, modifications were made to the chill water air conditioning system serving the General Hospital area which included:
 - The upgrade of pumps with variable speed controllers
 - The replacement of legacy air handlers with premium variable speed motors
 - And, the implementation of web-enabled, remote monitoring capability through a state of the art Building Management System.

Ladies and gentlemen, this represents a combined investment of approximately **\$73.6 million Jamaican dollars.**

Furthermore, the impact of this expenditure is a projected **20% reduction in electricity consumption for air conditioning** which

should translate into **approximately \$5.2 million in savings each year.**

Beyond the equipment and tangible materials, these interventions have also improved conditions at the Hospital and created a more comfortable environment for both staff and patients.

Post-Implementation Activities

Ladies and gentlemen, I am also pleased to inform you, that we have considered the sustainability of these interventions post implementation and as such we have held awareness workshops to promote behaviour change so that the reductions in electricity consumption are achieved and maintained.

Further to this, the EECP also held energy audit training sessions to teach the Property Manager and other members of staff how to assess and implement energy conservation measures.

There will also be on-going Measuring, Reporting and Verification (MRV) regarding the electricity consumption patterns of the Hospital.

Additionally, the EECF is financing a five-year service and maintenance contract to ensure the preservation of the equipment.

So let me assure you, the Ministry is safeguarding this \$73 million dollar investment on behalf of the citizens of Jamaica.

The Future of Air Conditioning

Ladies and gentlemen, ***air conditioning is big business!*** While it is an integral aspect of commercial operations, it is also one of the most energy consuming activity, especially in tropical countries such as Jamaica.

With climate change and increasing temperatures, the demands for cooling will take even greater prominence as we progress towards the future.

I am pleased that through these interventions, we are already finding reliable and efficient air conditioning solutions to meet the needs of the public service.

GOJ-Committed to Efficiency and Diversification

The Government of Jamaica is cognizant that diversification and efficiency are integral to our energy sector.

Jamaica's over-dependence on imported fossil fuels has resulted in a national oil bill that continually exceeds our total annual export earnings. To rectify this imbalance, the GOJ's National Energy Policy prescribes diversification.

In leading the charge to diversify, the Ministry is facilitating the transition to alternative fuels such as natural gas while promoting the use of natural resources such as wind, solar and hydro for renewable energy generation.

While pursuing these medium to long term solutions, the Government is also expediting short-term alleviation efforts by

financing energy efficiency projects throughout the public sector. These will drive down the demand for energy and reduce the spend on electricity bills.

I am pleased to announce that, in 2019-2020 the Ministry, through the PCJ, will be carrying out energy interventions at schools, hospitals, health centres and other public facilities with a cumulative value of more than **\$1 billion dollars**.

These interventions will be undertaken through various umbrella projects such as:

- **The Energy Management and Efficiency Programme (EMEP)** which is being financed by the Inter-American Development Bank (IDB), the European Union and the Japanese International Cooperation Agency (JICA).
- **The Deployment of Renewable Energy and Improvement of Energy Efficiency in the Public Sector Project** which is being funded by the United Nations Development Programme (UNDP) and the PCJ.

- **The Energy Efficiency and Conservation Programme (EECP).**

These overarching Programmes serve as proof that the Government of Jamaica is achieving its goal of being the leader in energy conservation.

Closing

My commendations once again to the PCJ, especially the EECP Project Team. Let me encourage all of you to continue to execute energy interventions that save money for the Government and people of Jamaica.

Excellence is our only standard.

I thank you.