

NATIONAL ASSEMBLY

QUESTION FOR WRITTEN REPLY

QUESTION NUMBER 2555 [NW2781E]

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Ms C C September (ANC) to ask the Minister of Finance:

Whether (a) the National Treasury and (b) the entities reporting to him have implemented any energy-saving (i) practices or (ii) devices for buildings, offices and boardrooms in the 2010-11 financial year; if not, why not, in each case; if so, what are the relevant details in each case?

NW2781E

Reply:

	(a) (i)	(ii)
National Treasury	<ul style="list-style-type: none">• The National Treasury implemented the following energy- saving practices in the 2010-11 financial year:• Building maintenance staff attend annual energy-savings workshops facilitated by the Department	Energy-saving devices installed for buildings, offices and boardrooms in the 2010-2011 financial year: The National Treasury procured and implemented energy saving light bulbs and tubes in all buildings. <ul style="list-style-type: none">• The National Treasury procures and sources

	(a) (i)	(ii)
	<p>of Public Works;</p> <ul style="list-style-type: none"> Monthly energy usage is monitored; and Security officers, during their after-hour patrols, check that all lights that are not in use are switched off. 	<p>energy-saving equipment and spares for maintenance and repairs.</p> <ul style="list-style-type: none"> Perimeter lights of the National Treasury buildings are fitted with timer-switches which automatically switch on/off as per operational requirements (i.e. working hours); There are no geysers installed in the buildings; Hot water is provided by Hydroboils rather than kettles; The air-conditioning is centrally managed in open plan areas; and In the 240 Vermeulen Street building, the cooling towers to the air-conditioning are fitted with timer-switches which automatically switch on/off as per operational requirements (i.e. working hours).

Entities	(b) (i)	(ii)
Accounting Standards Board	The Accounting Standards Board has entered into an agreement with the landlord to provide a battery backup solution in the event of a power failure. The battery backup was chosen to minimise the impact on the environment. In addition the ASB' annual report contains a report on sustainability and all the initiatives that we have implemented to reduce our impact on the environment.	
Cooperative Banks	The Cooperative Banks Development Agency (CBDA) is located in the National Treasury building. All energy	

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Development Agency	saving practices applied by National Treasury also applies to the CBDA.	
Development Bank of Southern Africa	The Development Bank of Southern Africa, an entity reporting to the Treasury has implemented energy saving practices and has been progressively reducing and managing its energy consumption since 2008. Since 2008 the annual consumption has reduced from a baseline of 7.84MW per annum to 3.87MW in March 2011, which represents a 51% reduction in energy consumed per annum since 2008.	The Bank has implemented the following devices for energy reduction: solar powered hot water geysers, energy efficient lighting, occupancy sensors for office lighting, timer switches on air conditioning. The two new buildings that have been built on the DBSA campus are both off-grid and designed using energy efficiency techniques for lighting and cooling. The buildings are fully solar powered.
Financial Intelligence Centre	<p>The Financial Intelligence Centre (FIC) has implemented certain energy saving practices and devices during the period under review.</p> <p>The FIC uses fluorescent light bulbs and dimmers in its boardrooms. During cold weather staff are encouraged to open blinds to allow warmth in and during the warm weather blinds are kept closed to reduce heat coming into the offices.</p> <p>The air conditioners throughout the offices run off a timer switch which switches off at 18h00 every day and switches on the next day at 06h00.</p> <p>Air conditioners are switched on from Monday to Friday during working hours. Over weekends these are switched on in specific areas only if staff members are working.</p> <p>The office lights are switched off every working day from 18h00 but for safety and security purposes, certain lights remain on during the night.</p>	
Financial Services Board	The FSB has adopted a Sustainability Policy in terms of which it amongst other aims to preserve the	The FSB is located in a building which is owned by the PIC. The PIC has consulted a CSIR expert on “green

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	<p>environment and limit its impact by minimizing waste and reducing carbon emissions.</p>	<p>buildings” and accordingly various energy efficient elements were used for lighting, air conditioning and electrical systems. To save energy on lighting, motion detectors have been installed in bathrooms, boardrooms, offices, basements and basement lobbies, so that the lights are only switched on when people are using these areas. Water taps are also fitted with motion detectors to minimize waste. Another water-saving feature is the system used to collect ground water and recycle it for landscape irrigation.</p> <p>The air-conditioning – one of the most energy-consuming parts of an office block – makes the most of fresh air. Early in the mornings, the air conditioning system automatically opens the top windows to let in cool air and vent warm air from the night. The mechanism uses less energy.</p>
<p>Government Employees Pension Fund / Government Pension Administration Agency</p>	<p>The Government Pensions Administration Agency has (1) made its employees aware via its newsletters to save electricity. (2) In this awareness drive, employees have been advised to switch off electrical appliances and lights when not in use. (3) Air conditioner timers have been set to force the non-usage of air-conditioners outside of working hours. Boardroom and office lights and appliances are switched off whilst not in use and the actions are</p>	

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	managed by boardroom coordinators. Day/night switch gear has been installed to make sure that strategic lighting only comes in low light.	
Independent Regulatory Board of Auditors	The IRBA are renting office space from Barrow Properties and the building is less than 4 years old. All central air conditioners are set on times to automatically power down at the end of business hours, to prevent them from operating when the office is unoccupied, the facilities manager also does a thorough walk through of the building every day to inspect that all air-conditioners have been powered down. All lights are fitted with movement sensors which turns-off the lights automatically if no movement is detected.	
Land and Agricultural Bank of Southern Africa	Yes	<ul style="list-style-type: none"> • Heating Ventilation and Cooling (HVAC) <ul style="list-style-type: none"> – Head Office Building: Inverter type split systems on timer switches for automatic after hours and weekends switch off. These systems are also known for their energy efficiency stemming from the fact that they regulate and adjust the compressor speed to match the required cooling. – Branches: Moving away from high energy centralised systems to split units in occupied offices, which serves as a huge energy saver. • Lighting

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		<ul style="list-style-type: none"> – Head Office Building: External lighting are on timer switches and internal lighting is manually switched off after hours. – Branches: External lighting are on timer switches and total black out is implemented after hours. • Cooking facilities <ul style="list-style-type: none"> – Head Office Building: the canteen uses a gas griddle and oven in an effort to be energy efficient
Office of Ombud for Financial Service Providers	The Office of the Ombud for Financial Providers reduces the amount of energy it uses as much possible by switching off all computers, lights, copiers and printers when not in use. Heating and ventilation is used effectively and efficiently only when necessary.	
Office of the Pension Fund Adjudicator	The OPFA has implemented the practice of centralized switching off of the lights in the office once all staff have left.	
Public Investment Corporation	<p>During the 2010/11 financial year the PIC moved its head office to a new office building. This building is equipped with technology that allows the maximum use of natural light. Offices and boardrooms are equipped with light sensors that measure the brightness of the natural light in a room and adjust the electric lightning accordingly. Motion sensors are also installed and should no movement be detected in a room the lights will automatically be turned off. A further energy saving measure is that all lights inside the building switch off at 20h00 and unless turned on manually will only switch on at 05h00.</p> <p>As far as the properties portfolio of PIC Real Estate Asset Managers are concerned the PIC pursues energy</p>	

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	saving practices in property management by ensuring that all new buildings comply with the provisions of the Green Building Council of South Africa (GBCSA) and will also, over time, retrofit existing properties in the portfolio to ensure that they are energy efficient.	
South African Revenue Service	<p>During the financial years 2008/9 and 2009/10, SARS as a State Owned Entity implemented a range of energy-saving measures in line with the national electricity conservation programme. This initiative to reduce electricity consumption is an on-going aspect of a wider programme within SARS to reduce costs wherever possible. General measures implemented to save energy during the 2010/11 financial year within SARS include:</p> <ol style="list-style-type: none"> 1. Timer switches installed at various buildings to automatically switch off lights after operating hours. In buildings where this is still in progress of implementation, lights are switched off manually. 2. Hydro-boilers have been fitted with timer units to ensure operation only during working hours. 3. Meeting rooms, boardrooms and common areas have been fitted with motion sensors. This ensures that lights automatically switch off when these areas are unoccupied. <p>Energy-saving measures implemented at specific locations during the 2010/11 financial year include:</p> <p>Kwazulu-Natal:</p> <p>Trescon Building in Durban CBD</p> <ul style="list-style-type: none"> • The installation of a power factor corrector to electrical infrastructure in December 2010 to regulate incoming electrical supply at a cost of approximately R187 000.00. This installation has realised electrical cost savings at an average of R25 000.00 per month since date of installation. <p>Western Cape</p> <p>Lower Long Street TPS</p> <ul style="list-style-type: none"> • Replacement of 50 Watt halogen down lighters with 11Watt “energy saving” down lighters was done in July 	

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	<p>2010, contributing to a 15-20% saving on the lighting bill.</p> <p>P166 CT</p> <ul style="list-style-type: none"> In this building of 21 000 sq meters, old technology “magnetic ballasts” were replaced with more efficient energy-saving “electronic ballasts” in all fluorescent light fittings in the building in Oct 2010. This exercise realised a saving on the lighting bill of between 12-15%. 	
<p>South African Special Risk Insurance Association</p>	<p>SASRIA Limited has implemented energy saving practices and or devices for its offices and boardroom in the 2010/11 financial year.</p>	