JSE LIMITED
ENVIRONMENTAL MANAGEMENT REPORT

2013

JOHANNESBURG STOCK EXCHANGE
Scope

The JSE is aware of its interdependence with its environment. We take cognisance of the threat that global warming poses and, consequently, the responsibility that we all share to reduce our carbon footprint. To the exchange, this means starting by better managing its direct environmental impacts such as its consumption of limited resources and its production of waste. According to the socially responsible investing (SRI) classification system, the JSE is a low environmental impact company. Even so, the current building renovations should contribute to a future reduction in energy use.

However, we need to perform a detailed analysis of where and how we use energy. Without such an analysis, no meaningful reduction targets can be set. The most material contribution to our carbon footprint is our Scope 2 emissions. In December, a JSE representative attended the launch of the new National Business Initiative (NBI) Private Sector Energy Efficiency Project in order to gain insight into how best to approach reducing our Scope 2 emissions.

Also, if we are to understand our Scope 3 emissions better, we need to analyse employee private and business non-air travel patterns. Both these investigations require us to incur additional costs. Nonetheless, these actions will be taken in 2014 in terms of a carbon reduction strategy.

Senior responsibility for management of the JSE’s carbon footprint resides with the Group Company Secretary, who reports to the CEO. The carbon footprint is calculated for the JSE’s business operations located in Sandton, which includes all its employees. A baseline assessment of our carbon footprint was conducted in 2010, using an external service provider. Our environmental policy can be found at http://phx.corporate-ir.net/phoenix.zhtml?c=198120&p=irol-govHighlights.

METHODS OF ENERGY SAVING AND MANAGEMENT

IT Related

Virtualisation has resulted in reduced infrastructure costs, with associated decreased costs in cooling.

Temperatures in the computer sites have been increased from 17°C to 21°C. In consequence, less water and less energy is used to cool the sites.

Building and maintenance

The design of the JSE building facilitates the use of natural light to illuminate the front portion of the building and the ground floor.

The proactive energy management system has sensors that detect a person’s movement and automatically switch on the lighting necessary for the immediate area. When there is no motion in an area for ten minutes, the lights switch off.

Low-power lamps (36 watt) are used and external spotlights and floodlights located around the building are switched off after a certain time at night.

The air-conditioning units are on a time switch and switch off at night and during weekends and public holidays. Ongoing maintenance is carried out on all facilities in the building.

Assessment

Our Scope 2 indirect emissions remain, on average approximately 97% of our total carbon footprint. During 2013, there was a decline in usage. It is not possible to determine to what extent the various energy saving initiatives implemented directly contributed to the current decline without incurring additional costs.

South Africa continues to experience significant increases in its electricity tariffs, resulting in increased energy costs not necessarily associated with increased usage.
WATER MANAGEMENT

All taps in the bathrooms are fitted with water flares that aerate the water, so less water is used.
Toilets are fitted with two flushing devices, a half-flush and a full flush.

Assessment
Water consumption remains insignificant and under control.

RECYCLING/WASTE MANAGEMENT

Office paper
Paper recycling bins are located in all areas of operation, from which office paper, newspapers and magazines are collected and recycled.

Other waste management initiatives
Recycling bins for glass, tin, plastics and cardboard are located throughout the building.
Toner cartridges are recycled.
Chemicals used at the JSE surpass international environmental accreditation agencies’ standards and can be gainfully used to earn credits toward certifications like LEED and Go Green (BOMA).
Demountable walls are sourced from a company that is committed to reducing the impact that the business and its products have on the environment.

Assessment
General and office paper waste production remain insignificant and well controlled.
Any major positive impact in these areas can only come from increased employee action as a result of ongoing awareness drives.

Carbon footprint summary

<table>
<thead>
<tr>
<th>Scope</th>
<th>2013</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Consumption</td>
<td>tCO2e</td>
</tr>
<tr>
<td>Scope 1</td>
<td>Direct emissions</td>
<td>6 883</td>
</tr>
<tr>
<td>Scope 2</td>
<td>Electricity purchased</td>
<td>9 425 254</td>
</tr>
<tr>
<td>Scope 3</td>
<td>Air travel*</td>
<td>2 100 797</td>
</tr>
</tbody>
</table>

*Our Scope 3 business air travel contributes approximately 3% to our carbon footprint. However, 2013 air travel data to date shows a significant increase. Also note that private travel and other business travel by employees have not been analysed owing to cost constraints.

Trees saved

Refer to the graph on page 3 for other waste management data.

OTHER FACTORS

<table>
<thead>
<tr>
<th></th>
<th>2013</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy spend (R)</td>
<td>R6 219 553</td>
<td>R6 280 398</td>
</tr>
<tr>
<td>Energy consumed (MWh)</td>
<td>9 425</td>
<td>10 395</td>
</tr>
<tr>
<td>No. of employees</td>
<td>497</td>
<td>495</td>
</tr>
<tr>
<td>Floor space (m)</td>
<td>17 226</td>
<td>17 226</td>
</tr>
<tr>
<td>Revenue (R)</td>
<td>1 577 552 000</td>
<td>R1 384 867 000</td>
</tr>
<tr>
<td>Energy spend as % of turnover</td>
<td>0.39%</td>
<td>0.45%</td>
</tr>
</tbody>
</table>
The sustainability strategy and framework identified areas that should also be addressed and progress in this regard is set out below:

### Areas

<table>
<thead>
<tr>
<th>Areas</th>
<th>Status</th>
</tr>
</thead>
</table>
| Reviewed the environmental policy and identified key impact areas   | The following areas were identified as key impact areas:  
  - Scope 2 emissions;  
  - Scope 3 business air travel;  
  - Employee education and awareness; and  
  - Our indirect influence on customers, suppliers and SRI constituents. |
| Analyse and monitor energy and water usage                           | Available data analysed. |
| Encourage switch to environmentally friendly detergents, soap, etc.  | Servest, the cleaning company we use, uses only environmentally friendly chemicals in the building. |

During the year under review, no contraventions occurred and no fines were levied.