



Eskom Development Foundation

		GRI Reference
<i>Mandate</i>	126	
<i>Overview</i>	127	
<i>Benchmarking</i>	127	
<i>Material issues</i>	128	▶ LA10
<i>Employee value proposition</i>	128	
<i>Skills</i>	128	▶ EU14, LA1
<i>Training interventions</i>	128	▶ EU14, LA10
<i>Focus on leadership</i>	129	
<i>Transformation</i>	129	▶ EC7, LA1, LA13
<i>Health and wellness</i>	131	▶ LA8
<i>Employee relations</i>	131	▶ 4.4, HR5
<i>Staffing for expansion phase</i>	131	▶ EU14
<i>Current performance</i>	131	▶ EU15

Corporate social investment



Haylene Liberty Chief Executive Officer: Eskom Development Foundation.

Mandate

Eskom Development Foundation (Foundation) is a section 21 company (an organisation not for gain, registration number 1998/025196/08). The Foundation has been coordinating and executing Eskom's corporate social investment since January 1999. It receives funding from Eskom to make grants and donations.

<i>Highlights</i>	<i>Future priorities</i>
<ul style="list-style-type: none"> • Through the Eskom Foundation, Eskom has impacted 254 beneficiary organisations with some 303 983 beneficiaries for the year • Total grant making amounted to R62.3 million • In the "Top caring companies spontaneous awareness: 2010" survey Eskom was rated: <ul style="list-style-type: none"> – among the top 10 since 2000, and in seventh position in 2010 – second top caring company in the manufacturing/electricity sectors and joint third with Vodacom by rural blacks and sixth by urban blacks and – ranked first among public enterprises in this survey 	<ul style="list-style-type: none"> • Adopt a holistic development approach to programmes in communities where Eskom implements its capacity expansion projects, focusing primarily on capacity building, skills development and job creation • Continue with flagship and national programmes that have a strategic impact; viz: <ul style="list-style-type: none"> – Eskom business investment competition, including the Simama Ranta school enterprise competition – Business opportunities expo – Eskom energy and sustainability programme – Enterprise development programme – Support to selected FET colleges

Overview

The Foundation operates in the nine provinces of South Africa. Economic and social development managers and advisers employed by Eskom are based in each province to represent the Foundation.

In addition, and in consultation with the stakeholder forums of the Eskom new build sites, integrated social and economic development programmes are initiated, based on identified needs that are within the operating mandate of the Foundation.

Target groups

Grants and donations are considered for community-based organisations, development agencies and organisations involved in philanthropic work for the development and benefit of the disadvantaged, as well as small and medium enterprises. The primary target groups for grants and donations are women, youth and children, as well as people with disabilities.

The Foundation revised its strategy to focus on development in communities around Eskom capacity expansion sites. Planning has been completed to implement projects in the communities around Lephalale (Medupi site). Communities around Kusile site include eMalahleni, Delmas, Ogies and Phola, as well as communities around Camden (Ermelo), Komati (Middelburg) and Grootvlei (Balfour), as well as Ingula pumped storage scheme (Ladysmith/Harrismith) and Eskom's return-to-service (RTS) sites.

Programmes

The Foundation has a number of flagship programmes. It also supports a number of national CSI programmes that are deemed important for the socio-economic development of the South African landscape.

Donations to philanthropic and welfare causes executed by registered non-profit organisations are also considered. The donation of assets is also facilitated and accounted for on behalf of Eskom and its subsidiaries.

Flagship programme

These programmes are initiated by the Foundation and include:

- Business investment competition
- Business opportunities expo
- Energy and sustainability
- Contractor academy
- Small and medium enterprise development

National programmes

National programmes are funded as they are deemed of strategic importance to Eskom;

- Business incubators
- Further education and training colleges

Development grants

Development grants are considered for the capacity building of registered and operating projects in the economic and social sectors that meet the grant making criteria of the Foundation; particularly those in communities around Eskom's new build sites.

Support to economic projects will continue in the form of marketing and financial assistance to small enterprises through the Eskom business opportunities expo and the Eskom business investment competition and business skills capacity building and mentoring through business incubators, contractor academies and other training initiatives.

Support to social projects will include support to philanthropic/welfare organisations, support to early childhood development (ECD) centres, capacity building for primary schools and further education and training colleges (FETs).

Donations

Donations are considered to registered, philanthropic or welfare organisations or donations to causes that are strategically important to Eskom, a region or to South Africa are considered:

- Philanthropic donations
- Strategic donations
- Divisional donations

Sustainability

Sustainability is a vital element of Eskom's CSI interventions. It is considered both in developing the Foundation's strategy and at a project level.

In terms of the Foundation's strategy:

- Support is provided in terms of education, from the early childhood development phase onwards. It is a long-term strategy to ultimately contribute to an improved pipeline of grade 12 learners with good results in mathematics, physical science and language to study in engineering and technical disciplines to meet the human resources needs of Eskom and South Africa.
- Support provided to further education and training colleges contributes not only to improving the employability of the youth, but also to creating a future pipeline from which to draw technical skills, for Eskom and other industries.
- Support provided to small business through skills development and marketing support assists these businesses in growing and providing further employment opportunities; and contributes to creating a pool of SMME and BWO suppliers from whom Eskom and other large corporate players can procure goods and services.

Distribution of CSI grants and donations

During the year, the Foundation approved a total of 30 grants for R46.6 million towards economic and social development projects, national programmes, flagship projects, infrastructure and food

Corporate social investment continued

security projects as part of the rural development programme; as well as 224 donations for R15.7 million were approved for philanthropic and welfare organisations. This brings the total grant making to 254 beneficiary organisations to R62.3 million (2010: R58.7 million – Includes Rural development department which was incorporated in the Eskom Foundation in June 2010).

Beneficiaries

A total of 303 983 project beneficiaries are involved with the organisations that received grants and donations (2010: 590 440/ 2009: 239 617). There is a decrease in the number of beneficiaries

due to the implementation of a focused CSI strategy (flagship and national programmes and emphasis on communities around Eskom's new build sites), resulting in fewer, but more high-impact projects.

Donation of assets

Assets that had been written off in the assets registers of the various divisions of Eskom were donated to the Foundation. These assets were in turn donated to five institutions, schools and welfare organisations. The estimated market value of these assets was R72 650 in the current financial period (2010: R30 000).

Summary of corporate social investment

	2011		2010		2009	
	Number of projects	Rm	Number of projects	Rm	Number of projects	Rm
Grants for flagship and national programmes and economic and social sector projects	26	39.8 ^{RA}	43	47.4 ^{RA}	43	47.8
Donations to registered, non-profit philanthropic organisations	224	15.7 ^{RA}	153	8.4 ^{RA}	109	4.7
Rural development ¹	4	6.8 ^{RA}	7	2.9 ^{RA}	50	27.0
Total donations and grants	254	62.3^{RA}	203	58.7^{RA}	202	79.5^{RA}

RA – Reasonable assurance provided by the independent assurance provider.

1. Rural development department was incorporated in the Eskom Foundation in June 2010, previously having reported to Corporate Services division.

 See www.eskom.co.za/annreport11/csi for further details of the corporate social investment programmes

Corporate social investment programmes:

Programme	2011			2010			2009		
	Number of projects	Approved Rm	%	Number of projects	Approved Rm	%	Number of projects	Approved Rm	%
Grants	16	18.0	100	30	21.4	100	40	40.7	100
Economic development	3	1.2	7	4	2.4	11	11	4.4	11
Social development ¹	13	16.8	93	26	19.0	89	29	36.3	89
Flagship programmes	4	12.8	100	7	17.3	100	1	2.3	100
Business investment competition	1	4.2	33	1	3.0	18	–	–	–
Business opportunities expo	1	4.1	32	1	2.5	14	1	2.3	100
Energy and sustainability ²	1	3.7	29	1	2.4	14	–	–	–
Contractor academy	–	–	–	3	8.9	51	–	–	–
SME development	1	0.8	6	1	0.5	3	–	–	–
National programmes	6	9.0	100	6	8.7	100	2	4.8	100
Business Trust	1	4.0	44	1	4.0	46	1	2.5	52
Energy and sustainability ²	–	–	–	–	–	–	1	2.3	48
Further education and training colleges	5	5.0	56	5	4.7	54	–	–	–
Infrastructure development	4	6.8	100	7	2.9	100	50	27.0	100
Rural development ³	4	6.8	100	7	2.9	100	50	27.0	100
Donations	224	15.7	100	153	8.4	100	109	4.7	100
Philanthropic	170	2.5	16	118	1.7	20	90	1.2	25
Strategic	50	12.8	82	30	6.6	79	19	3.5	75
Divisional	4	0.4	2	5	0.1	1	–	–	–
Total	254	62.3	100	203	58.7	100	202	79.5	100

Notes:

1. Development projects managed by Eskom Human Resources division included.

2. Eskom energy and sustainability programme reclassified as a flagship programme in 2010.

3. Rural development department was incorporated in the Eskom Foundation in June 2010.

Applications, grants and donations

Since the Foundation focuses primarily on communities around Eskom new build sites, the number of organisations applying for grants or donations does not decrease. During the review period, the following applications were received.

Applications

	National	Eastern Cape	Free State	Gauteng	KwaZulu-Natal	Limpopo	Mpumalanga	Northern Cape	North West	Western Cape	Total
Donations	–	237	20	95	35	40	39	23	44	95	628
Economic	–	1	–	–	1	4	5	–	–	–	11
Social	–	2	1	13	10	3	1	1	18	2	51
Total	–	240	21	108	46	47	45	24	62	97	690

Number of approved grants and donations

	National	Eastern Cape	Free State	Gauteng	KwaZulu-Natal	Limpopo	Mpumalanga	Northern Cape	North West	Western Cape	Total
Donations	7	15	12	19	22	25	14	21	2	87	224
Philanthropic	4	9	11	8	18	24	9	19	–	72	174
Strategic	3	6	1	11	4	1	5	2	2	15	50
Grants	14	3	2	1	4	2	1	2	–	1	30
Economic	3	1	–	–	1	1	–	–	–	–	5
Social	11	2	1	–	2	1	1	2	–	1	25
Total	21	18	13	19	26	27	15	24	3	89	254

Beneficiaries – demographic profile

	Preschool	Primary school	Secondary	Youths 16 – 24	Adults 25 – 65	Educators	Senior citizens >65	Total
National	1 288	129 048	17 672	1 945	1 818	4 373	–	156 144
Eastern Cape	950	1 775	4 532	1 671	952	8	508	10 396
Free State	334	2 185	–	373	149	–	71	3 112
Gauteng	6 683	10 501	1 730	1 931	11 490	–	4	32 339
Limpopo	811	4 919	3 187	484	1 063	18	718	11 200
KwaZulu-Natal	2 532	4 118	9 203	5 444	4 081	–	828	26 206
Mpumalanga	1 385	2 794	3 215	19	171	97	100	7 781
Northern Cape	1 261	70	434	1 346	1 485	–	753	5 349
North West	–	–	–	5 246	8 375	–	165	13 786
Western Cape	4 467	14 721	3 763	5 200	6 797	214	2 231	37 440
Total	19 711	170 131	43 736	23 749	36 471	4 760	5 378	303 983

Corporate social investment continued

Black businesses win cash prizes in Eskom small business competition

The Eskom Development Foundation announced the winners in the 2010 Business Investment Competition at the awards function held at The Forum in Bryanston on 15 September. Each winner received a cash prize of R100 000 to enhance their business, as well as the opportunity to exhibit at the Business Opportunities & Franchise Expo, which ran from 16 to 19 Sept at the Coca-Cola dome in Northriding, Johannesburg along with all the finalists. Chief Executive of Eskom Holdings, Brian Dames presented the category winners with their awards.

In addition to this marketing opportunity, all the finalists received energy efficient products and the winners will each receive an energy efficiency audit and retrofit of their businesses.

For more information on next year's Expo, go to www.bofe.co.za.

Business Investment Competition, Manufacturing category winner; Thandeka and Emmanuel Mahlatjje of Kholwa Sign Master in Bloemfontein.



Business Investment Competition, Trade/ Services category winner; Lungiswa Moko of Ntinga Projects Managers in Baysville, East London.

Business Investment Competition, Agriculture category winner; Ezekiel Madigoe of Na-Hu Farming in Limpopo.



Flagship and national programmes

Eskom business investment competition 2010

The 18 finalists in the 2010 Eskom business investment competition were diverse, ranging from a beekeeper from Pretoria, a baker from Thabong, a toilet paper-maker from Kuilsriver and an events and entertainment coordinator from Mpumalanga.

Having soared through the rigorous evaluation process, the finalists underwent a series of interviews with the adjudication panel and awaited the announcement of the winners at a gala dinner on 15 September 2010 in Johannesburg. The stakes were high for these entrepreneurs as there was one winner and one runner up in each of the three categories: agriculture, manufacturing and trade/services; with the winner in each category receiving R100 000 financial boost for their business and the runners-up receiving R25 000 to plough into theirs.

The annual Eskom business investment competition, in its third year, aims to recognise, honour, reward and uplift business owners as part of the Foundation's ongoing business support programme and is open to small and medium sized, black-owned enterprises in South Africa.

The number and calibre of entrants in this year's competition was impressive, with the amazing diversity of entrants from around the country, offering innovative products and services. Selecting the finalists was a most challenging task. This process has certainly reaffirmed that the entrepreneurial spirit is thriving in this country. The enterprise owners in this competition have risen above their circumstances, many striving against adversity, to realise their dreams of running their own business. In doing so, they have not only succeeded in generating an income for their families, but they have also created opportunities for people in their communities.

The competition runs in tandem with the *Business Opportunities & Franchise Expo*, presented by Eskom and Thebe Exhibitions and Projects to deliver a bigger, better and revitalised expo. The trade show, in its ninth year (2010), is a platform for entrepreneurs to network and find franchise, investment and business opportunities. There was a host of market and business-related seminars and discussions hosted by industry leaders at the expo, which was held at the Coca-Cola dome in Johannesburg from 16 to 19 September 2010.

The finalists in the 2010 Eskom business investment competition were given the opportunity to exhibit at the *Business Opportunities & Franchise Expo*, providing an invaluable stage for them to market their businesses and interact with prominent business leaders and representatives from a number of blue chip companies.

In addition to this marketing opportunity, Eskom presented the finalists with energy-efficient products and the winners received expert assessment of their businesses. Plans were devised to assist in making these enterprises energy efficient.

This competition serves to acknowledge their achievements and their potential to develop their enterprises, to grow business capacity and impart skills. For the winners, the prize money could mean the fruition of plans to expand their business. The competition and the finalists' participation at the *Business Opportunities & Franchise Expo*, has proven to be a valuable platform for creating opportunities for business people and an effective tool for stimulating the SME sector.

Eskom Simama Ranta high school enterprise 2010 competition

Two young Cape Town-based learner entrepreneurs, representing their school, have tasted success in the competitive world of homeware design and clothing manufacturing as a result of their participation in a powerful new entrepreneurship education programme launched by Eskom Development Foundation in 2010: the national and provincial Eskom enterprise education *Simama Ranta* schools awards programme. The business idea of designing and manufacturing a range of clothing, curtains, bed linen and decorative metal-ware, paid off when they were selected as award finalists for their province for their excellent products and business plans.

Simama Ranta is an awards programme that aims to identify, to honour and showcase those South African secondary schools that are true exemplars in entrepreneurship education in the country. The name *Simama Ranta* means empowering (*Simama*) the South African economy (*Ranta*) through entrepreneurship education. These schools are addressing a crucial priority in South Africa – to prepare learners to consider entrepreneurship as a career choice and ultimately become creators of jobs rather than job seekers. The goal of this flagship programme is to provide a variety of models of comprehensive, quality entrepreneurship education, representing South Africa's diversity. The initiative will encourage the winning schools to serve as leaders and mentors of other schools.

As part of the *Simama Ranta* awards adjudication process, the young entrepreneurs at Ravensmead high school had to submit a detailed competition entry form, including a seven-page narrative explaining the school's entrepreneurship education initiative and how it exemplified the 'eleven principles of entrepreneurship education'. The entries also had to supply supporting evidence for the project, together with a description of the demographics of the learners and teaching staff of the school.

Nine provincial finalist schools, to be known in future as provincial entrepreneurship education schools, were selected from the large number of entries received from across the country. The adjudication panel, representing both public and private sector, included representatives from the Department of Basic Education, business people and experts in entrepreneurship education, who selected a school from these nine provincial winners to be the ultimate national winner; to be known as the National Entrepreneurship Education School. The adjudication criteria were based on selecting distinctive entrepreneurship models that offered

Corporate social investment continued

demographic variety in areas such as geographic location, socio-economic status and grade levels covered. The winning schools will now be known as the top-rated entrepreneurship schools in the nine provinces and in South Africa.

As a winning finalist in the *Simama Ranta* awards programme, the learners from Ravensmead high school, together with the eight provincial finalist schools, were given the opportunity to exhibit their projects at the prestigious *Business Opportunities & Franchise Expo*, held in September at the Coca Cola dome in Johannesburg. They met thousands of visiting business people – excellent exposure for this fledgling business and its enthusiastic young entrepreneurs.

The educators and learners reported that they were really inspired by their participation at the expo. They reported that they learned how to sell their products and how to work with other people; met many other successful entrepreneurs and received advice from them on running businesses of their own. From a commercial success point of view, they actually sold some of their goods. The winning school also received an offer of help to set up a website for their business.

An additional prize for the learners came in the form of an invitation to participate in the glamorous Business Investment Competition Awards on 15 September in Gauteng, where the national *Simama Ranta* schools awards programme winner was announced. Each of the winning schools was awarded a cash prize to enable them to fulfil their roles as ambassadors of entrepreneurship education.

The winning school team commented about the future: "This award has made not only us proud, but also our school, our educators and our community. We can now see ourselves as future business people. Our advice to other young would-be entrepreneurs is to work hard to realise one's dreams – it will not be easy, there will be lots of obstacles, but one should persist in one's efforts. The sacrifices will be worth it".



Winners, Ravensmead high school representatives from the Western Cape receive their award from Mr Bobby Soobrayan, Director-General from the Department of Basic Education. Left to right Malunga Kasonde, Ms Salome Mathieson, Bobby Soobrayan and Nyikiwe Mathe.

Business Opportunities & Franchise Expo 2010



South Africa, has embraced the economic policy of stimulating entrepreneurship and the Foundation has supported SME development for years. South Africa has realised that entrepreneurs represent a critical sector of our economy.

Eskom has long been involved in stimulating this sector, particularly black-owned and black-women-owned companies, through the creation of opportunities for entrepreneurs to become Eskom suppliers across a number of categories. Through its CSI programmes, the Foundation is intimately involved in assisting in the support of sustainable small business ventures.

Two of the major challenges facing entrepreneurs are the ability to access funding through traditional bank loans and then market products and services effectively. The *Business Opportunities & Franchise Expo* meets this second need and connects SME owners with investors actively looking for business partnerships, especially in the black-owned sector.

For the 2010 exhibition, Eskom and Thebe Exhibitions & Projects have again joined forces, in association with The Star newspaper, in the most comprehensive, four day expo in the country, dedicated to developing entrepreneurship in South Africa.

In a larger and more convenient venue, the *Business Opportunities & Franchise Expo* ran from 16 to 19 September at the Coca Cola dome in Johannesburg, with a more extensive line-up of leading business, investment, and franchising opportunities as well as business support services aimed at an influential audience of successful and aspirant entrepreneurs.

Each year, the Foundation invites black-owned SMEs that were finalists in the Eskom Business Investment Competition from across the country – particularly those in the agricultural, manufacturing, trade/services sectors to participate in the Expo.

The new-look Expo covered business opportunities and investments; franchisors and franchising opportunities; business development organisations; major funding and financial institutions; direct selling; 'work from home' opportunities; business support services; office equipment and systems; and small business financial advisers. A record 9 200 people visited the expo over the 4-day period.



The Eskom demand-side management (DSM) stand received thousands of visitors where they received useful tips on energy savings.

Eskom energy and sustainability programme

The Eskom energy and sustainability (E&S) programme is a partnership for environmental education by Eskom and the Wildlife and Environment Society of South Africa (WESSA) and has been in existence for 12 years. It originally started as an environmental competition that was initiated by Eskom to encourage and support schools in environmental education as far back as 1975.

Through the programme, learners and educators are exposed to a broad range of environmental issues relating to energy and sustainability. Through support resource materials, as well as the WESSA regional coordinators, learners are empowered to research those issues specific to their local environment, and follow on with action towards environmental competence. The programme focuses on previously disadvantaged communities, and other minority groups, but is inclusive of all South Africans.

The programme has grown substantially and now boasts 1 89 projects nationwide and has proven itself by receiving numerous national and international accolades. Last year the programme's *Young people against climate change* project won top honours in the youth category at the International Energy Globe Award.

The Eskom energy and sustainability programme (E&S) is a long-standing partnership programme for education for sustainable development between Eskom and the Wildlife and Environment Society of South Africa (WESSA).

In the reporting period, the programme supported 1 89 action-based projects with school learners and educators. Many of these projects are becoming increasingly focused on sustainability issues. Through the combined support of regional coordinator support to the educators as well as the provision of appropriate resource materials, learners are empowered to research those issues specific to their local environment, and follow on with action towards environmental competence. The programme has a focus on previously disadvantaged communities and other minority groups, but is still inclusive of all South Africans.

There are three intervention methods used by the programme.

These are:

- Active learning projects

Active learning projects:

The support of active-learning energy and sustainability projects with young people in South Africa. Each of the projects is a standalone project and regional coordinators from the E&S programme support and assist educators with these projects.

Benefits of this section are that strong visibility is obtained though focused intervention of groups who are actively interested in the environment. This long-standing section of the programme has formed the strong foundation of credibility and standing which the programme enjoys, and from which all other new sections of the programme are launched.

- Provincial workshops (intervention with groups of educators at clustered schools)
- Eskom strategic area schools (strong support with schools clustered near Eskom new-build project sites).

Demographic profile*

Children	Female	Male	Total
Preschool	719	565	1 284
Primary school	67 102	61 940	129 042
Secondary school	9 013	8 659	17 672
Sub-total	76 834	71 164	147 998
Out of school youths 18>24 years	953	992	1 945
Sub-total	953	992	1 945
Adults 25>64	–	–	–
Educators	3 279	1 094	4 373
Senior citizens 65+	–	–	–
Sub-total	3 279	1 094	4 373
Total	81 066	73 250	154 316

* People with disabilities not identified in this programme.

Corporate social investment continued

Demographic profile per province for the energy and sustainability programme

	Eastern Cape	Free State	Gauteng	KwaZulu- Natal	Limpopo	Mpumalanga	Northern Cape	North West	Western Cape	Total
Preschool	54	250	–	935	45	–	–	–	–	1 284
Primary school	5 156	44 813	43	35 124	4 078	27 709	–	–	12 119	129 042
Secondary school	8 256	3 618	20	1 777	263	844	–	–	2 894	17 672
Sub-total	13 466	48 681	63	37 836	4 386	28 553	–	–	15 013	147 998
Out of school youths 18>24 years	51	–	–	503	25	1 278	–	–	88	1 945
Adults 24>64	–	–	–	–	–	–	–	–	–	–
Educators	41	1 741	8	984	157	1 024	–	–	418	4 373
Sub-total	92	1 741	8	1 487	182	2 302	–	–	506	6 318
Senior citizens 65+	–	–	–	–	–	–	–	–	–	–
Total	13 558	50 422	71	39 323	4 568	30 855	–	–	15 519	154 316

Provincial overview

Eastern Cape

A total of 192 educators from 24 schools in the province attended workshops with 41 active educators from 20 schools each running a project involving 13 466 learners. Topics that were covered included water quality, recycling, urbanisation and spacial

development, water security, green building (rural perspective), food security, and renewable energy/specific wind energy opportunities, specific solar energy and climate change. This region initiated the first sustainability commons in rural Lady Frere as a response to addressing issues such as electricity supply, sanitation, and food security.

Eastern Cape schools

Bulugha primary, East London	Mbewula primary, Lady Frere
Byllets combined, East London	Mooiplaas primary, East London
Canzibe primary, Motherwell	Mzoxolo junior primary, Mdantsane
Clarendon school for girls, East London	Ndyebo high, Motherwell
Gobimamba primary, Lady Frere	Ngubani junior secondary, Motherwell
Indwe high, Indwe	Nkwezana primary, East London
Kleinbooi senior secondary, Lady Frere	Port St John's junior secondary, Port St John's
Londolozani junior primary, Mdantsane	Sinomonde primary, East London
Makhazi public school, East London	Three Crowns junior secondary, Lady Frere
	Victoria Park high, Port Elizabeth
	Walmer high, Port Elizabeth

Free State

During 2010, 180 educators from E&S participating schools attended workshop sessions in the Free State.

Workshop sessions were also presented during February 2010 to February 2011 to learners from St Andrew's school in Welkom and nearly 250 learners attended sessions on global warming, carbon calculators, carbon footprint, electricity efficiency and electricity auditing.

During August and September 2010, five workshop sessions were presented in four of the five district municipalities in the Free State and 163 educators attended these sessions. Various other smaller sessions were held at different schools, mostly involving educators from the schools.

The Free State area is very well supported with a strong visibility at 63 schools, with 1 741 educators and 48 681 learners.

Schools

Aldam intermediate, Ventersburg	Nthapelleng intermediate, Botshabelo
Balmacara farm, Wepener	Ntheboheng primary, Botshabelo
Bartimea special, Selosesha	Ntebohiseng intermediate, Phuthaditjhaba
Bodikela primary, Bohlokong	Paballo preprimary, Allanridge
Boliba primary, Bothaville	Petsana primary, Reitz
Boshof secondary, Boshof	Poelano primary, Frankfort
Botlehadi primary, Mangaung	Pontsheng primary, Botshabelo
Clubview primary, Phuthaditjhaba	Popano secondary, Botshabelo
Chris van Niekerk, Vredefort	Phomello primary, Villiers
Dibaseholo public, Koppies	President Steyn combined, Bloemfontein
Ecco primary, Ventersburg	Rekgonne primary, Mangaung
Excelsior combined, Excelsior	Saamwerk primary, Hertzogville
Fakkell, Sasolburg	Samuel Johnson intermediate, Zastron
Grey College primary, Bloemfontein	Sankatane intermediate, Botshabelo
Impumelelo primary, Bohlokong	Seiphemo primary, Thaba Nchu
Ipatleleng primary, Koppies	Seithati intermediate, Botshabelo
Isaac Mahlambi primary, Zamdela	Sentinel primary, Phuthaditjhaba
Itemoheng primary, Marquard	St Andrew's, Welkom
Jim Fouche primary, Bloemfontein	St Lawrence, Jagersfontein
Lehutso primary, Zamdela	Tabola primary, Witsieshoek
Lepanya primary, Phuthaditjhaba	Tataiso primary, Wesselsbron
Letsibolo, Phuthaditjhaba	Tataiso primary, Vredefort
Mabewana primary, Phuthaditjhaba	Teboho primary, Phuthaditjhaba
Machaea primary, Witsieshoek	Thabo Vuyo secondary, Rouxville
Madikgetla primary, Trompsburg	Thatohatsi intermediate, Botshabelo
Marobe primary, Odendaalsrus	Thuto-ke-Tsela primary, Frankfort
Mahlabatheng primary, Viljoenskroon	Tiersono primary, Phuthaditjhaba
Marematlou primary, Virginia	Tjhaba-tshohle primary, Deneysville
Meduwaneng primary, Frankfort	Tsatsi primary, Sasolburg
Mehlodong primary, Phuthaditjhaba	Tshomarelo primary, Dealesville
Memel primary, Memel	Unicom primary, Tweespruit
Namanyane primary, Thaba Nchu	Vredefort primary, Vredefort
Nexus primary, Harrismith	Vulindlela primary, Vrede

Corporate social investment continued

Gauteng

Four schools were involved in the programme running five projects with eight educators attending regional workshops on issues such as solar cookers, sustainable food gardens and biogas. Sixty three active learners were involved with these projects.

Schools

Bovet primary, Alexandra	Emfundisweni primary, Alexandra
Carleton Jones high, Carletonville	Gordon primary, Alexandra

KwaZulu-Natal

A total of 26 schools representing 225 educators attended workshops where key environmental topics were used to support the national curriculum in the natural science learning area. These included topics in the energy and change; the life and living; the matter and materials and the earth and beyond series. These are the four main areas which educators use to orientate their natural science learning; and the workshops are designed to support context in these areas, as well as integrate environmental learning at the same time. There were 29 active schools in the province with 37 projects, involving 592 educators and 29 607 learners. Ten schools from the areas surrounding the Ingula pumped storage scheme were involved in 12 projects. These schools are Besters combined, Driefontein primary, Driefontein high, Hamelberg combined and Zaaifontein (Ingula), as well as primary schools in the Drakensberg area: Impandwini, Insukangihlale, KwaMiya, Langkloof and Myendane, and these represent a further 392 educators and 8 732 learners.

Schools

Alencon primary, Durban	Obanjeni primary, Richards Bay
Ashley primary, Durban	Parkview primary, Durban
Bantuvukani primary, Durban	Phelelani primary, Durban
Crestview primary, Durban	Protea secondary, Durban
Danville girls high, Durban	Rosburgh high, Durban
Ensingweni primary, Richards Bay	Rustic Manor primary, Durban
Eqhweni primary, Estcourt	Sifisokuhle primary, Drakensberg
Gingindlovu primary, Richards Bay	Sisizakele combined, Newcastle
John Wesley, Eshowe	South Coast Madrissa primary, Durban
Keate Street primary, Ladysmith	Summerfield primary, Durban
Merebank high, Durban	Sunnyvale primary, Durban
New Germany primary, Durban	Umhlatuzana primary, Durban
Nizaam Road primary, Durban	Welbedene high, Durban
Ntendeka combined, Newcastle	Zakhele primary, Durban
	Zithume high, Richards Bay

Limpopo

Five schools from Lephalale were involved in the programme as it is within a new build site area where Medupi power station is under construction. The schools involved are Ditheku, Nelsonskop, Sedibeng, Yielelo primary schools and Phegelelo high school. Fifteen schools were represented at the workshops with 82 educators actively involved in projects with 854 learners. Key workshop topics covered included alternative energies, solar cooker designs and operation, electrical efficiency in the classroom, recycling and a fun solar cook-off competition organised jointly by the coordinator and the staff at the power station.

Mpumalanga

In Mpumalanga there were 20 schools actively involved in the programme, involving 332 educators and 8 523 learners.

In addition, there were 23 schools in the new build areas with 27 projects. In Witbank these schools are Jeremia Mdaka, Kromdraai, Makause, Nkonjane combined and Sibuko Sethu primary.

In Middelburg the schools are Eastdene combined, Eikeboom and Elusindisweni primary; and Sozama secondary. Steelpoort is represented by Kgahlanong secondary; Kgoboko primary; Malebe primary and Shopiane primary. Bonukukhanya, Mlamlamkunzi, Qalabocha, Vusimuzi.

In Balfour the following schools are supported through the programme. Amukulani primary; Amukelani primary; Khula Sakhile secondary; Mandi combined; Mlamlamkunzi primary and Vusumuzi primary. In Standerton, Hlobisa primary; iGugulubasha combined; Lindilanga primary; Nyandeni primary; and Retsibile primary are supported through the programme.

Mpumalanga schools

Amajuba, Volksrust	Sandzile primary, Nelspruit
Charlestown high, Charlestown	Tenteleni primary, Nelspruit
Clavis combined, Volksrust	Theu-theu primary, Volksrust
Elangweni secondary, Volksrust	Tsembaletfu primary, Nelspruit
Embonisweni primary, Nelspruit	Victory Life Christian Academy, Volksrust
Inkhanyeti primary, Nelspruit	Volksrust high, Volksrust
Khumbula high, Nelspruit	Volksrust primary school, Volksrust
Khutsalani high, Nelspruit	Zizamelele primary, Volksrust
Laerskool Pionier, Volksrust	
Lungisani high, Nelspruit	Northern Cape
Phatfwa high, Nelspruit	Nil
Sakhile high, Nelspruit	North West
	Nil

Western Cape

There were 18 schools with 21 projects actively involved in the programme with 418 educators and 15 013 learners. In addition, 15 schools that run 18 projects are from communities around new build sites: Atlantis – Bezelia primary, Proteus high, Reygersdal primary, Robinvale high and Vaaitjie Morawiese primary; and in Mossel Bay – Hillcrest secondary, Imekhaya primary, Indwe secondary, Isalathiso primary, Sao Bras secondary; and in Vredendal – Ebenhaeser primary, Maskam primary, Uitkyk primary, Vredendal senior secondary and Vredendal North primary.

Schools

Bay College high, Plettenberg Bay	Phakamisani primary, Plettenberg Bay
Brackenhill primary, Knysna	Plettenberg Bay primary, Plettenberg Bay
Coldstream primary, Plettenberg Bay	Proteus secondary, Cape Town
Greenwood independent, Plettenberg Bay	Qolweni youth enviro club, Plettenberg Bay
Hornlee primary, Knysna	Robinvale high, Cape Town
Indwe secondary, Mossel Bay	Sao Bras secondary, Mossel Bay
Johan Hus primary, Storms River	Storms River primary, Storms River
Levana primary, Lavender Hill	Wittedrift high, Storms River
Murray high, Plettenberg Bay	Zerilda Park primary, Lavender Hill

Energy and sustainability projects in communities around new build sites

The year 2010 marked the culmination of the first three-year period of focused environmental education support around Eskom’s new build sites and this has been successful in many ways.

The 55 schools, many of them marginalised due to their rural location, have been able to benefit from the support given through the Eskom energy and sustainability programme. Initially, the schools did not demonstrate high levels of environmental knowledge. Therefore capacity to develop environmental projects at the school was not evident. The coordinators of the programme needed to start at grass roots by building capacity in environmental knowledge with educators, building relations between the programme coordinator and contact educators, assisting in curriculum development and the provision of content material, specifically in the learning areas, natural sciences and social sciences (geography). This has been ongoing during these three years and the programme has undergone a stringent evaluation process to reflect on the impacts of the work of the E&S programme in these specific areas. The case study section of this report is an overview of the evaluative process and details some of the outcomes for the programme itself.

Lephalale Limpopo

Schools:	5
Projects:	5
Learners:	854 (only Grade 4 – 7)
Educators:	82 (full educator component)
Training:	Support through portfolio of evidence – building up environmental capacity
Types of projects:	These schools requested environmental support through school-garden projects

Standerton/Balfour/Witbank/Middelburg/Steelpoort Mpumalanga

Schools:	23
Projects:	27
Learners:	21 099 (only Grade 4 – 7)
Educators:	632 (full educator component)
Training:	Support through environmental curriculum alignment and active learning projects
Types of projects:	These schools were involved in vegetable gardening, renewable energies and waste management projects

Atlantis, Mossel Bay, Vredendal – Western Cape

Schools:	15
Projects:	18
Learners:	4 323 (only Grade 4 – 7, as well as Grade 8 – 9 in this section)
Educators:	324 (full educator component)
Training:	Developing educators’ capacity to develop lesson plans and facilitate more active lessons in class
Types of projects:	Climate change projects (at high schools) School garden action and learning – sustainable livelihoods (at Vredendal)

Drakensberg, Ingula – KwaZulu-Natal

Schools:	10
Projects:	12
Learners:	2 925 (only Grade 4 – 7)
Educators:	142 (full educator component)
Training:	Cluster-based workshops situated at Drakensberg and Ingula power stations as well as individual school support
Types of projects:	At Ingula the schools have requested the development of school orchards – environmental capacity in this regard was given. At Drakensberg, educators were developing projects around set curriculum imperatives in natural science

Corporate social investment continued

The evaluative process for the 55 strategic schools in the E&S programme

In 2010, the 55 schools in the Eskom strategic areas underwent a rigorous evaluation by Dr Roshan Galvaan and Ms Liesl Peters from the University of Cape Town. The process specifically investigated the effect that the programme interventions have on the schools, the learners and the educators. Data was collected through interviews, focus groups, a limited document review and a survey. Coordinators delivering services, educators at the schools, and key role players in the programme were interviewed. The findings illustrated the complexities associated with the processes and procedures of delivering the programme, while highlighting successes and challenges. The report concluded with recommendations for programme improvement. Based on the outcome of this evaluation, it was concluded that the processes and procedures currently followed in strategic schools are sound.

The evaluation findings can be reflected under the following categories:

Processes and procedures

- Supporting environmental learning, building relationships and encompassing the energy issue were seen as key in the processes and procedures at strategic schools.
- Monitoring changes: Monitoring the successes of the energy and sustainability programme occurred through a reporting system and through the recognition of its success in national and international competitions. In addition, the coordinators in the programme actively sought opportunities to publicise the contributions made by the programme and enabled through Eskom. Their view was that part of working for the energy and sustainability programme was to uncover some of the assumptions made about Eskom and provide positive views of the company.

Constraints that limited the potential achievements in strategic schools

- The restrictions of the South African educational context. The shallow limits of the current educational context were highlighted as a major obstacle to the successful implementation of the programme. More specifically, operational and infrastructure at each of the strategic schools was found to be wanting.
- The lack of support for educators from curriculum advisers in certain educational contexts was also highlighted. In these contexts coordinators felt that they were playing the role of the advisers. Although this was seen as being one of the strengths of the programme since it met the educators' needs, coordinators cautioned that they needed to remain vigilant about their role as environmental educators for the energy and sustainability programme specifically.

- Urgency of environmental issues: It was noted that the need to respond to current environmental issues is growing more urgent but that educators' and young adults' capacities to respond appropriately to these issues was limited.

Strengths and possibilities for development of the programme

- Developing stronger links with the Department of Basic Education.
- Creative and realistic strategies to overcome contextual obstacles: The need to consider contextually-based issues when designing opportunities for active learning was highlighted as being of fundamental importance. If this was not done it was shown to result in poor learning and uptake of environmental practices and approaches to energy efficiency.
- Increased mentorship: The creative, unique approach that coordinators are required to use during their work on this programme has resulted in additional support needs. One way in which this need could be addressed would be to develop a mentoring programme for coordinators working in strategic schools. The national coordinator would be well-positioned to provide this mentorship, given her vast insight into the programme.
- Ongoing monitoring: Besides reporting for record keeping purposes, it was identified that there were limited opportunities for systematic reflection on the operational processes of the programme. Opportunities for more structured reflection would assist in deepening the work being conducted especially since coordinators are expected to engage with the complexities of environmental projects and environmental learning opportunities.
- Theoretical constructs: Although coordinators spoke of the approaches they use to practise, they rarely made explicit the underlying theoretical constructs they use to understand this practice. It was felt that, given the need to make expectations more evident at the outset for staff working on the programme, it would be helpful to put forth the theoretical substantiation for the approaches that are used in practice.

Recommendations

- Diverse standards of measurement for the work done in strategic schools should be developed.
- Consider including a focus on adult education in addressing pressing environmental issues linked to sustainable living practices and energy generation and consumption in South Africa.
- Develop a programme strand that involves communities, possibly young adults, in key sustainability issues.
- Focus more specifically on the development of educators, rather than only on outputs.

Three Crowns junior secondary school, Lady Frere

This very rural school services the surrounding community where there is a serious lack of services such as reticulated water, electricity and sanitation in many households. The programme supports a school-to-community empowerment project, which has established a showcase for alternative energy designs.

These designs are simple, effective and easy to replicate and built from any material readily available. However, the ideas of energy efficiency and alternative energies are concepts that mean little to those living in rural communities unless the benefits of such designs are demonstrated and, once demonstrated, are easily constructed and maintained to deliver a better quality of life.

The school is also well situated within the provincial Department of Basic Education (DBE) and the district geographically. To this end, the DBE has used this project as a platform project for all schools in the district to be able to visit the school/community in order to learn about energy efficiencies and be able to replicate similar projects within their own schools. This has already been done in phase 3 of the project. Another school, Klein Booi senior secondary, and the community have been incorporated into the project.

Phase I – Three Crowns school develops sustainable energy models

Together with educators and learners, the following working demonstration models were built at the school:

- Greenhouse/shade-house nursery made from recycled plastic bottles
- Solar cooker
- Two different models of solar water heater
- Hot-box
- Bio-gas digester
- Eco-circles, vermiculture and permaculture
- Zeer fridge

Reinforcing environmental learning

Educators developed lesson plans and units of work which detail construction of the models, sustainability of the energy supply; and environmental benefits for using the models.

District municipality officials, councillors and DBE officials visited the school to view projects. This led to a wide-scale interest in the project and a strong partnership with government departments (national and local), and other interest groups was formed. It was this interest that grew the project, both in funding available to carry out the necessary 'school to the community' leap, as well as in the strong standing and credibility that the project now enjoys.



The sustainability commons at Three Crowns primary makes the leap from school to community.

Corporate social investment continued

Business incubators

Since the inception of corporate social investment in Eskom, one of its objectives was to capacitate small enterprises to enable them to develop, grow and compete in the formal economy. The lack of management and business skills impacted negatively on the enterprises' ability to grow and become sustainable and some had difficulty in accessing funding as their business models were flawed, which made enterprise development interventions not to be comprehensive and effective.

The Foundation's aspiration was to make a significant and sustainable contribution to development and had to move on from this approach to a new model that included investment in flagship projects with substantial financial commitments, long-term relationships and clear exit strategies.

The business incubators were then incorporated into the Foundation grant-making strategy; being a tried and tested model of the (SEDA) technology programme, with measurable key performance indicators and success stories; and due to the need to have an integrated approach to ensure sustainable interventions to integrate lessons learnt from successful interventions.

Business incubators are the big brothers of start-up businesses and there are 26 models currently in South Africa under the SEDA technology programme (STP) banner. The service offering differs; however the most common form is to provide technical and administrative training, kick-start capital, inexpensive infrastructure (office space, administrative and IT services), which are shared by the participants in the incubator.

This was an opportunity for the Foundation to partner with STP on their incubator initiatives to reach and support small enterprises in the various sectors. The Foundation provides grants for equipment towards the incubators. The SEDA incubators vary in sector and the Foundation will be considering funding for those that are in line with its strategy; viz agriculture, manufacturing and services.

Eskom contractor academy

The Eskom contractor academy is a programme devised to develop and empower emerging contractors and suppliers as part of Eskom's contribution to skills development, job creation and poverty alleviation.

As part of the business owners' group, students attend a study school for one week per month over an eight-month period. The programme is modular based and consists of the following modules: business sustainability and finance, project management, supply chain management, people management, safety, health, environment and quality (SHEQ) and the new engineering contract (NEC).

As part of the practical construction course, students attend a 26-weeks practical training programme. The curriculum for the practical course include: MV line construction, SHEQ, pole mount transformers, LV line construction, schools and clinics, pre-paid metering, LV live work, supervision of work and LV operating. The relevant modules are presented by facilitators who are accredited by the respective SETAs. Upon successful completion of the programme, students are awarded a certificate by the University of Limpopo.

The academy was launched as a pilot programme in 2008 and since its inception, 173 students participated in the programme and 167 students successfully completed the training programme. This is a success rate of 97%. Of the 167 students, 52 students were black women business owners (BWOs). The students on the programme are mainly from the electrical business sector but there are also a number of students from the construction, bush-clearing, services and supply business sectors. There are currently 65 students enrolled and 35 are scheduled to start later during April/May 2011.

Number of students

	Total number			Male			Female		
	2011	2010	2009	2011	2010	2009	2011	2010	2009
Attended	72	63	38	50	44	27	22	19	11
Completed	71	59	37	49	41	26	22	18	11

Eastern Cape

No new students were trained during the reporting period due to commitments in other provinces. There are currently 14 students busy with the programme, which is scheduled for completion in May 2011.

Number of students

	Total number			Male			Female		
	2011	2010	2009	2011	2010	2009	2011	2010	2009
Attended	-	38	-	-	25	-	-	13	-
Completed	-	34	-	-	22	-	-	12	-

Gauteng

Ten students successfully completed the practical training at the Vuthlari training centre in Klerksdorp during this reporting period. There are currently 14 students doing the "Owners programme" – a practical training course – at the Eskom Academy of Learning in Midrand, which is scheduled for completion in May 2011. The new intake of 10 students started the practical course during April 2011.

Number of students

	Total number			Male			Female		
	2011	2010	2009	2011	2010	2009	2011	2010	2009
Attended	10	-	-	10	-	-	-	-	-
Completed	10	-	-	10	-	-	-	-	-

KwaZulu-Natal

The training of 24 students in Kwazulu-Natal will only commence in the next financial year. Training is scheduled to start in April 2011. This will include 18 male and six female students.

Limpopo and Mpumalanga

During this reporting period, 38 students attended the training programme and 37 completed it successfully. One person could not complete the programme, due to illness.

Number of students

	Total number			Male			Female		
	2011	2010	2009	2011	2010	2009	2011	2010	2009
Attended	38	25	38	23	19	27	15	6	11
Completed	37	25	37	24	19	26	13	6	11

North West

Ten students successfully completed the practical training in Bela Bela in December 2010.

Number of students

	Total number			Male			Female		
	2011	2010	2009	2011	2010	2009	2011	2010	2009
Attended	10	-	-	9	-	-	1	-	-
Completed	10	-	-	9	-	-	1	-	-

Western Cape

During the reporting period, a total of 14 students successfully completed the programme and graduated on 6 August 2010. There are currently 13 students busy with the programme, which is scheduled for completion in May 2011. A new group of 10 students attending the practical training has started on 7 February 2011 and they will complete their training in August 2011.

Number of students

	Total number			Male			Female		
	2011	2010	2009	2011	2010	2009	2011	2010	2009
Attended	14	-	-	8	-	-	6	-	-
Completed	14	-	-	8	-	-	6	-	-

Corporate social investment continued

Eskom contractor academy – graduation of Medupi students

Forty-two per cent of young people between the ages of 18 and 29 are unemployed in South Africa and 75 to 80 per cent of start-up companies stop operating within their first two years of operation.

Education is a solution: the Eskom contractor academy is an initiative to build business capacity and which contributes to the empowerment of emerging Eskom contractors and suppliers. In this way, the South African economy is being boosted through job creation and the gap between the second and first economy is closing.

The Eskom contractor academy is an eight-month course. It is an energy sector education and training authority (ESETA) registered programme in partnership with Edupark, a section 21 company run by the University of Limpopo. To date 167 students have successfully completed the programme, 51 students are currently enrolled and another 34 are scheduled to start later in 2011.

At the graduation ceremony of the Eskom Medupi contractor academy held at the Mogol Club in Lephalale, the Vice-Chancellor of the University of Limpopo and chair of the Edupark Board of Directors, Professor Mokgolong, paid credit to the Eskom Foundation and academics who initiated and funded the first programme in Polokwane in October 2001.

He said: "Education and training plays a core role in breaking the grip of poverty that holds approximately 46% of South Africans, with the poorest 10% in a desperate struggle to survive. Whether you choose your change or not there are unlimited opportunities within you. Transition clears the ground for new growth."

Twenty-seven students, who successfully completed the most recent Medupi academy, received their certificates. The three top students each received a laptop computer from Eskom.

Tied in first place was Angie Mathe, who runs Rebaona. Rebaona is the Tswana word meaning 'We are like children of God'. Rebaona is an occupational therapy consultancy specialising in medical surveillance. Angie is a qualified nurse. She studied occupational health at UJ (previously RAU). Her uncle is a spiritual healer and her mother was one as well.

In her acceptance speech, Angie said, "This course has revealed to me the capabilities I was not aware of". Addressing her fellow graduates, she said, "We now have the master keys to open the locked door". And then she thanked Eskom for being "true ambassadors of economic empowerment."

Also tied in first place was Kgaogelo Sebata. Kgaogelo runs Pheega – a catering services and events management company. Third place was claimed by Thomas Chuene, a graduate-in-training at Eskom, and fourth place went to Eugene Makgalo of B-LOR, a construction and petro-chemical business.

All three of these students have enjoyed tremendous success. Angie signed a contract with ACTOM and TEDOC industry from Lephalale. Kgaogelo secured a three-year events management and catering contract with Eskom.

Eugene has been able to grow his company. He has split it into two departments, a civil construction department and petro-chemical department. On the petro-chemical side he supplies lubricants to the municipality. On the construction side he has tendered for the supply of a conveyor belt to Medupi power station, currently under construction.

Eugene said: "Focusing, planning and making smart calls were the key things I learnt. Determination, hard work and discipline are prerequisites for success. I am now running my business on a quarterly basis. This helps in knowing your market, knowing your competitors and what share of the market you have."

This event constitutes a wonderful role model and important blueprint of a successful collaboration between big business and small business.

Ms Haylene Liberty, CEO of the Eskom Foundation said: "It is up to each and every one of us to ensure the future of South Africa by holding the hand of an entrepreneur or contractor; helping them to succeed and move on to becoming the employers of the future."

In closing his address Professor Mokgolong noted that it is projects such as this that will "guide the development of Lephalale as a major city by 2030. It will be the first city built by the democratic government of South Africa."



The dignitaries photographed included l to r (back row): Roman Crookes; Mandla Gobingca; Lorraine Mokoatle; Brenda Kruger; Haylene Liberty; Professor Mokgolong; Steph Prinsloo.

Further education and training colleges

The first further education and training (FET) college that received funding from the Eskom Foundation was Buffalo City FET in the Eastern Cape. This was done to complement the national skills development strategy in response to the trained human resources needs in the country and labour markets; thereby ensuring access to further education and training to persons who have been marginalised in the past.

Support to further education and training was included in the Foundation's grant-making strategy to support the development objective in South Africa; which is to enhance the potential of each citizen through an integrated education and skills development system.

Many FET colleges are under-resourced and created challenges for students to do practical work without having the necessary equipment to test their competencies.

The Eskom Foundation aim is to support selected colleges with resources that would assist industry in alleviating scarce skills sectors such as electrical engineering and diesel mechanical engineering by providing a simulated workplace environment. During this reporting period a total of 12 FET colleges received funding for electrical and mechanical workshop equipment.



East Cape Midlands FET college electrical workshop.

Rural development programme

The Rural development department was established by Eskom in 2001 to support government integrated sustainable rural development programme (ISRDP) by providing strategic inputs in identifying the gaps within the integrated development plans for provincial and local government, optimising the capability of key role players by harnessing strategic resources for leading effective execution of projects through efficient systems, processes and controls.

The objectives of the ISRDP that are linked to Eskom Holdings respectively are public confidence and corporate social investment.

These objectives contribute towards building public confidence by improving the livelihood of rural communities, living on limited resources in all nine provinces.

The programme is propelled by strong partnerships with various government departments and municipalities and it is aimed at addressing:

- inadequate infrastructure: by contributing to school building, renovations and the construction of multipurpose centres, construction of access roads, food market and other infrastructural needs;
- lack of food security: by contributing to agricultural food security programme;
- empowering the communities by providing agricultural skills and resources;
- the creation of social facilities.

During this reporting period, Eskom rural development implemented an agricultural food security programme to five different communities in the Eastern Cape and KwaZulu-Natal on a pilot project basis. The contribution made was through effective social facilitation to various tribal chiefs and local municipalities. Tractors, implements, levelling and fencing of the fields, inputs and containers were contributed through this programme to these communities.

Upon measuring the success of this programme, rural development intends rolling out the programme to other provinces.

Infrastructure development

In this review period, there were four projects approved for implementation. These were Highbury primary school-infrastructure upgrade; Umlalazi Inkandla, rural development electrification, Mdlazi primary school upgrade and additions and TC agriculture-electrification. The projects are in the Eastern Cape, KwaZulu-Natal and Limpopo respectively. The projects make up a total of 1 208 beneficiaries:

Demographic profile of project participants

	Female	Male	Total	Of total, how many disabled
<i>Children</i>				
Preschool	–	–	–	–
Primary school	332	290	622	–
Secondary school	–	–	–	–
Sub-total	332	290	622	–
Out-of-school youths 16>24	–	–	–	–
Sub-total	332	290	622	–
Adults 24>64	346	219	565	–
Educators	14	7	21	–
Senior citizens 65+	–	–	–	–
Sub-total	360	226	586	–
Total	692	516	1 208	–

Corporate social investment continued

Implementation of projects approved between 2008 and 2010

Since projects are implemented in phases, a project may be approved in a previous financial year and implementation may only be completed in the next or following financial year.

Eastern Cape

During the previous 2010 financial year, three projects were approved for infrastructure upgrade, Mbungwa junior secondary school in Bizana, second phase of Ntabankulu mud structures and Rwantana junior secondary school in village. The project focuses on enhancing the teaching and learning environment as part of developing rural communities.

Mpetsheni agricultural food security project was approved in 2009 and implemented in 2010. The project is still in progress and will be completed by September 2011. The project will benefit 70 households. The main objective of implementing this food security programme is to alleviate poverty in rural communities.

Demographic profile of project participants

Children	Female	Male	Total	Of total, how many disabled
Preschool	35	36	71	–
Primary school	317	357	674	–
Secondary school	478	686	1 164	1
Sub-total	830	1 079	1 909	1
Out-of-school youths 16>24	–	–	–	–
Sub-total	–	–	–	–
Adults 24>64	9	3	12	1
Educators	35	11	46	–
Senior citizens 65+	2	8	10	1
Sub-total	46	22	68	1
Total	876	1 101	1 977	2



Demolishing some of the unsafe mud structures.



The corrugated iron ablution blocks.



Xakani junior secondary school – new classroom.



Newly completed ablution block.

A number of projects were completed during the reporting period with a view to create classrooms that were safe, to standard and to eradicate the mud-structure classrooms. Fourteen schools were identified in rural Ntabankulu area. These schools were in dire need as there were mud structures constructed by the local communities, with no proper sanitation and ablution system. The condition of most of these schools was so poor, to the point of becoming a health hazard to the learners and educators. Most of them had holes in the roofs and even in the structures. This situation had a huge negative impact on the teaching and learning environment as it was impossible to teach during rainy and winter seasons.

In an endeavour to enhance the lives of these rural communities, Eskom developed a programme to eradicate these mud structures in order to improve the teaching and learning environment. Now that the classrooms have been completed, they benefit 5 262 learners and 157 educators.

KwaZulu-Natal

Projects in the design phase

There is one project in the design stage. Mdlazi primary school has a total of 376 beneficiaries. The project was approved in the previous financial year, to conclude designs for the upgrade of the schools infrastructure. It is anticipated that the project will be completed in the next financial year.

Project implementation

In 2010, three projects were approved for implementation as agricultural food security projects. A need was identified to fund these projects because of the high level of poverty, unemployment, shortage of skills and hunger in indigent communities. A total of 275 households will benefit from this initiative.

Three projects were approved for infrastructure upgrade and contracts have been awarded to suppliers for implementation. Siphosabadletshe high school in Hluhluwe is one of the projects and has a total of 1 062 beneficiaries. This figure includes educators.

Finalisation and close-out of projects

Four projects have been completed and are ready for official handover to the Department of Education. These completed projects are Khulakahle junior secondary school, kwaPhungase, St Faith, Ugu district, Ladam senior secondary school in Chancela, Alfred Nzo district in the Eastern Cape, Umzumbe high school in Port Shepstone, Ugu district in KwaZulu-Natal and Kromhoek senior secondary school located at Umzimkhulu, in KwaZulu-Natal. The total number of beneficiaries for the schools are 1 154, including educators.

Design stage

Mdlazi primary school

A request was received which was channelled through the Department of Basic Education of KwaZulu-Natal appealing for assistance for needy schools. The school had a challenge of overcrowding in the classroom. Eskom conducted a feasibility study to establish the full extent of the work. The design phase was approved and has since been completed. The project will be fully implemented during 2011/12.

Food security projects

There are four food security projects in KwaZulu-Natal: Mthimude, Jericho and Phakath'ekhaya are at a final stage of implementation. Each project has been given a new tractor with six implements, four containers for storage and accommodation. The project site has been fenced; and seeds, tools and chemicals have been provided. The final stage is to fence the fields at Mthimude and provide the irrigation scheme for Jericho and Phakath'ekhaya.

Nzimakwe is a project to empower the unemployed youths who cultivate tomatoes. It was initiated by Hibiscus local municipality. The project will be receiving an irrigation scheme, five tunnels, garden tools and seeds.

Demographic profile of project participants

<i>Children</i>	<i>Female</i>	<i>Male</i>	<i>Total</i>	<i>Of total, how many disabled</i>
Preschool	–	–	–	–
Primary school	210	156	366	2
Secondary school	1 032	1 014	2 046	–
Sub-total	1 242	1 170	2 412	2
Out-of-school youths 16>24	24	–	–	–
Sub-total	–	–	–	–
Adults 24>64	223	52	275	–
Educators	45	35	80	–
Senior citizens 65+	35	11	46	–
Sub-total	45	35	80	–
Total	1 510	1 257	2 767	2

Corporate social investment continued

Food security – Jericho agricultural cooperative, Jericho, North West Province

Jericho agricultural cooperative is situated in Jericho farm in Munster. Land was donated by the Catholic Church for the members of the church to use for the project. It has 40 beneficiaries. To date, the following has been implemented:

A new tractor and six implements for the tractor were supplied. The project site was levelled and bush clearing was done and the project was fenced. The irrigation system with a borehole, pump, water tanks and a solar panel will be commissioned. The project will be completed by April 2011.



Contractors hired local labour for the project to promote skills development and job creation.

Limpopo

Implementation of projects

Four projects were approved in the 2011 financial year. One project, Nelsonskop primary school, Marapong – infrastructure upgrade is currently in progress. This project has a total of 1 068 beneficiaries, which includes educators. Medupi power station is about seven kilometres from Nelsonskop. The contract was awarded to complete the designs for this phase. It is planned that the project will be completed in November 2011.

Finalisation and close-out of projects

The other four projects were implemented and are now complete and ready for official handover to the Department of Basic Education. All these projects are in the Sekhukhuni area of Limpopo. The first phase of construction was implemented by Eskom Distribution division on behalf of the then rural development department as the implementing agent. A total of 1 705 learners and educators benefited from this upgrade.

Projects in the finalisation stage

- Seroka primary school, Ga-Seroka.
- Mahlashi primary school, Mahlatsi.
- Mokwadibe secondary school, Manyaka.
- Mokgapi secondary school, Makope.

Demographic profile of project participants

Children	Female	Male	Total	Of total, how many disabled
Preschool	–	–	–	–
Primary school	869	864	1 733	–
Secondary school	410	316	726	–
Sub-total	1 279	1 180	2 459	–
Out-of-school youths 16>24	–	–	–	–
Sub-total	–	–	–	–
Adults 24>64	–	–	–	–
Educators	28	22	50	–
Senior citizens 65+	–	–	–	–
Sub-total	28	22	50	–
Total	1 307	1 202	2 509	–

Case study

Mahlashi primary school is situated in Mahlatse, Burgersfort. It has 230 beneficiaries. The school was built by Eskom in 2003. The school is part of the infrastructure project development programme where renovations were completed in December 2010.

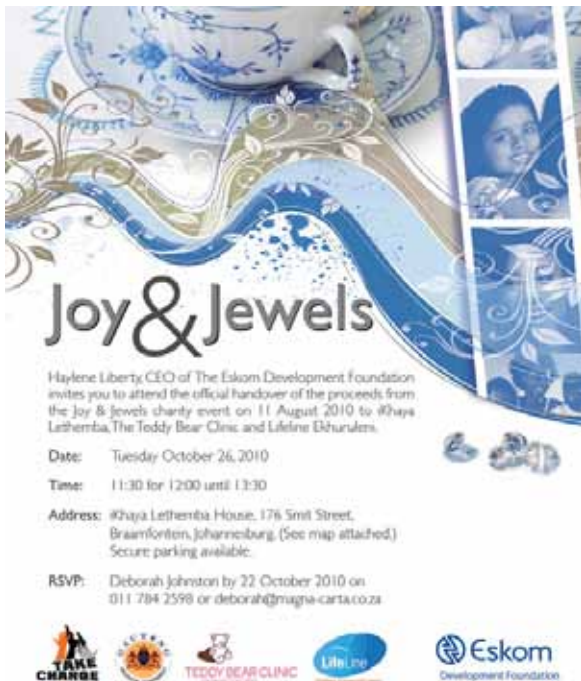


A classroom block under construction.

Eskom Joy & Jewels charity event and the employee i-Volunteer programme

Joy & Jewels charity event

A day of joy, jewels and the opportunity to bid for specially created pieces of jewellery, art and art photography were the highlights of an event which was held at the exclusive Summer Place, Sandton for iKhaya Lethemba, The Teddy Bear Clinic and LifeLine in August 2010. Initiated by the Eskom Development Foundation, the Joy & Jewels event was organised as part of Eskom's celebration of women during Women's month as their contribution towards raising awareness about places of safety for women and vulnerable children, which was also the 2010/2011 theme for the Eskom employee i-Volunteer programme. The highlights of the event was the auctioning of specially designed pieces of jewellery, invited by Eskom and designed by final-year jewellery design students from the Tshwane University of Technology, the auctioning of pieces from Gerry Rantseli-Elsdon's Swarovski range, a painting by Salomi Prinsloo as well as art photography by Hannelie Coetzee. Proceeds from the sales of 300 exclusive tickets to the event were donated to the beneficiaries and the Foundation also presented each of the three organisations with a donation.



Haylene Liberty, CEO of the Eskom Foundation, presents the Joy & Jewels charity auction cheques to Lorraine MacDougall from LifeLine, Ekurhuleni, Alison Wainwright from iKhaya Lethemba and Lizette Schoombie from The Teddy Bear Clinic.

Corporate social investment continued

The Eskom employee *i-Volunteer* programme

The programme was launched by the Foundation in 2010. Its purpose is to inspire and encourage employees to become involved with a registered community programme, based on a theme selected annually. Volunteerism has benefits: It enables the volunteer to see life from a different perspective; value what she or he has more deeply; and develop a more profound understanding of the complex society in which we live. A focus of volunteerism within Eskom is the support of vulnerable people through registered organisations. Business units are invited to form their own *i-Volunteer* teams, assisting in positioning Eskom as a caring organisation as well as re-instilling a sense of belonging, pride and team spirit among employees.



Distribution western region adopted *I&J Unakho children's home care*

Distribution western region *i-Volunteer* team was started in September 2010, after the Foundation launched the Eskom employee *i-Volunteer* programme and issued a call to action to all business unit employees to adopt a welfare project with the theme: '*places of safety for abused women and vulnerable children*' for the financial year. They adopted *I&J Unakho children's home care*, located in an informal settlement, Barcelona in Nyanga, just outside Cape Town. The *i-Volunteer* teams generate funds themselves and/or Eskom employees who are willing to contribute.

The home cares for 21 abandoned children ranging from two months to 17 years of age. Fourteen of these children attend school from grades 1 to 9. The rest are supposed to be at the early childhood development centres; however, due to financial constraints, they stay at home.

After the Distribution *i-Volunteer* team visited the facility, they decided to address various needs in order of priority:

- As a result of space challenges, the children find it difficult to study and do their school work. This necessitates them using the church,

which is an inconvenience for the congregants. Their biggest need, therefore, is to have a Wendy house or a container that could be suitably furnished with desks, shelves, chairs, computers, and books.

- The Wendy houses that are used for sleeping are too small for beds, so some children sleep on the floor. There is no space for them to suitably pack their clothes either, as there are no cupboards. A Wendy house or a suitably refurbished container, which could be furnished with beds, tables, and cupboards, would cater for their immediate needs.
- The kitchen is too small and has insufficient equipment and crockery to prepare meals for such a big family. An extra Wendy house or a container that is properly refurbished would address the need.
- The Distribution *i-Volunteers* have managed to raise R5 000 through a raffle ticket competition. Through their fund-raising efforts, they have also managed to secure a donation of three 12-metre containers. As these containers are second-hand, the biggest challenge is to refurbish them by repairing the leaks, insulating the walls and ceilings, and installing tubing for electricity, flooring, proper windows, doors, and burglar bars for security. The volunteers are currently approaching various corporate organisations for assistance in this regard.

Distribution western region partners with *Good Hope fm*

On 10 November 2010, Distribution western region *i-Volunteer* team partnered with Good Hope FM for a toy drive. The aim of the campaign was to bring cheer among less fortunate children over the festive season by collecting as many toys as possible from both the public and Eskom employees. This event was very successful, and the *i-Volunteer* team was joined by both the Transmission and Generation divisional staff in the region. Although we were only targeting the Unakho children's care home, there were so many toys that some were given to five other organisations in different communities. The event was made special by the airtime it gained for the home to market itself on Nigel Pierce's breakfast show (a live broadcast) and resulted in other organisations and individuals contributing to the needs of the organisation.

Mandela Day at Ingula: 67 minutes for a worthy cause

In honour of the 67 years Mandela spent in service to his community, staff from Ingula did their bit by launching a book and blanket drive one week before Mandela Day, in support of the 32 learners of the Hamilberg primary school. The isolated little school, situated just inside the furthest edge of the Ingula conservation area, can only be reached by 4X4 vehicle; even then it takes almost an hour's drive from the Ingula offices. Not much of a hardship however when you consider that some of the children walk as much as eight kilometres to and from school every day. At around 1 850 metres above sea level, in the Little Drakensberg, the area is subjected to extreme weathers conditions. Winters are particularly harsh.

During 2008 the Foundation funded the construction of new class rooms, a kitchen and an accommodation unit for the teacher. However, there is much to be done to improve the school, including the creation of a library. On Tuesday, 20 July 2010, Eskom and WESSA (Wildlife and Environment Society of SA) staff undertook the bumpy ride up the mountain to deliver a bakkie load of books and blankets. Each child received a blanket and for the first time set their eyes upon a collection of books that will feed their young minds for many years to come.



Ingula plant manager, Pooben Naidoo, conservation manager, Peter Nelson with Avril Wilkinson and Nokuthula Dubazane from WESSA, joined the group of happy youngsters, showing off their books and blankets.



A happy face – this is what it is all about!



Ingula plant manager, Pooben Naidoo, with the shy and youngest little girl at the school.

Corporate social investment continued

Disaster relief

Ladysmith disaster relief donations

During December/January, Ladysmith in KwaZulu-Natal was hit by floods. Hundreds of people were affected by the floods, and two lives were lost. The area in which the floods occurred is close to Eskom's Ingula pumped storage scheme, which is part of the new build programme. The Eskom Development Foundation was moved by the plight of destitute families hit by the deluge and stepped in to help. On 24 February the CEO of the Foundation handed over R100 000 to the mayor for the Emnambithi/Ladysmith Municipality, Ms Dudu Mazibuko.

The money will be channelled through the South African Red Cross to help address the basic needs of the flood victims. Eskom as a caring company has always attempted to contribute pro-actively to the improvement and the quality of life of our citizens, particularly those around Eskom's new build sites.

The Foundation is no stranger to outreach in the area and in 2008 handed over five refurbished schools near Ingula to the education department. Eskom's commitment to the area and its development through improving and promoting the lives of these schools demonstrates that Eskom cares for the communities in which it operates.

It was in this spirit of ubuntu that Eskom staff through the Guardian programme, was encouraged to collect non-perishable food and clothing to be donated to communities affected by the storms. The response to the call was overwhelming and on 18 March the goods collected at Megawatt Park were handed over to the Red Cross in Pretoria for distribution. This epitomises the spirit of the Guardian programme and a grateful thank you to all who gave so generously.



The SA Red Cross came to the rescue of destitute families after the floods, supplying blankets and food.



Haylene Liberty, CEO of Eskom Foundation presents Ms Dudu Mazibuko, mayor of Emnambithi/Ladysmith with a cheque for the flood victims after the devastating storms.

Support to education

The Foundation supports several initiatives to enhance the quality of teaching and learning.

The Foundation donates science minilabs

If you believe that education is expensive, attempt to calculate the cost of illiteracy, innumeracy and ignorance

The Foundation has long been associated with positive initiatives that seek to make meaningful contributions to South African society. On 18 March 2011, the Foundation added another leaf of positive initiatives by reaching out with a donation of mini science laboratories worth R1,9 million in Grahamstown to 34 schools in the Eastern Cape as part of the Eastern Cape science minilabs project. This bid sought to reach 3 340 learners, 1 767 of whom are girls, to encourage them to consider careers in the fields of physics, chemistry and biology after completing their schooling.

The donated mini laboratories have been developed specifically for grades 4 to 12 learners at schools in rural areas, townships and informal settlements, allowing a variety of experiments in chemistry, physics and biology to be conducted. Each minilab provides versatile learning options, contains work kits and other specially designed equipment and does not rely on other infrastructure. Science at school is theoretical and practical, unlike the humanities, where the educator and learners rely mainly on text books.

Too often the burden of providing the basic school supplies is left to the Department of Education to bear. In low income areas, certain school resources like laboratories are a luxury that many educators and learners do without. However, these are not challenges, but are opportunities for growth and inspiration where effective and innovative learning solutions are deployed. Furthermore, Eskom believes that challenges that face our education system can be met through a broad and diverse mix of interventions that must be produced and used efficiently. It is only through interventions like these that the development of technical skills can be encouraged. Investing in education is a top priority for Eskom.

Eskom realises that quality and continuous learning for the current generation will be crucial to our society's future success as well as its transformation. By contributing to support education, the country will have the right skills in place to support current and future social and economic growth ambitions as a nation. Eskom's support of the Department of Education contributes not only to improving the employability of our youth, but also contributes to creating a future pipeline from which to draw candidates both for Eskom and other industries.

This donation to the Eastern Cape schools of mini science laboratories by the Foundation supports and underpins Eskom's commitment to grow South Africa's economy, its people and the nation.



Haylene Liberty (CEO – Eskom Foundation) with Silesh Mansingh (Regional sales and marketing manager) on her right and to her left Mr V Lwana (Mayor of Grahamstown) and Mr Fetsha – Department of Basic Education (District director) handing over the science equipment to educators.

Corporate social investment continued

Sound exam preparation for our future generation

The lengthy public servants' strike in August 2010 disrupted service delivery throughout South Africa. With classrooms left unattended during the strike, learners of all ages, in particular Grade 12 learners, lost valuable days of instruction and faced writing their final exams without having adequately prepared.

On 5 October 2010, the Eskom Foundation approved a donation of 200 DVD sets to the value of R500 000 for distribution to schools throughout the country. Each curriculum support DVD included notes on the subjects English, accounting, mathematics, mathematical literacy, life sciences and physical science. These DVD sets were distributed to all nine provincial MEC's for Education prior to the exams, enabling learners throughout the country to review covered material in preparation for their upcoming examinations.

Education is a challenge worldwide and more severely so in South Africa. We, as a country, cannot afford to allow disruption further erode the already challenging education environment that our learners face. The Eskom Foundation's distribution of support DVD sets was one such effort to mitigate negative impact and nonetheless equip our learners to participate in an educated and hence economically active and productive generation for tomorrow.

Eskom trusts that its donation contributed to the sound preparation of Grade 12 learners for the final exams, especially from previously disadvantaged schools, and will also promote future skills development, education and enterprise development in South Africa.



Mr Izzie Kirsch from Primedia presents Haylene Liberty, CEO Eskom Foundation with learning DVDs, which were presented to Mr David Kramer, CEO of Sci-Bono for distribution to schools in Gauteng.

Eskom mathematics, science and technology programme

Several CSI education programmes are coordinated by Eskom Human Resources division. These are the Eskom mathematics, science and technology programme (MSTP), the winter school programme (WSP), the tertiary education support programme (TESP) and the national science and technology forum (NSTF).

The MSTP was conceptualised in 2001 in partnership with the South African Agency for Science and Technology Advancement (SAASTA) formerly the National Research Foundation (NRF), formerly known as the Foundation for Education, Science and Technology in support of the Department of Education's *Dinaledi Programme*.

During the review period and in the 2010 academic year, 6 897 learners from the six schools participated in the Eskom mathematics, science and technology, as well as the winter school programme.

The objectives of the MSTP are to increase the number of learners who pass grade 12 with mathematics and physical science; to create a pipeline of potential Eskom bursars to study science, engineering and technology and to serve as resource centres for surrounding schools.

The provision of resources by Eskom enormously challenged and surpassed the *Dinaledi* programme initiatives and added unimaginable value to the schools and their communities. The Eskom programme brought about discipline in the schools, motivation and the desire to improve, a sense of pride, networking among the principals, educators, school governing bodies and learners.

These schools were requested to submit school business plans based on a guideline document. These business plans served as a tool to collect essential information, ensured consistency of information for fairness of selection and mapped out targets in relation to the project objectives set by the schools.

Resources were provided, in terms of the identified needs, which included two educators, one each for mathematics and for physical science; textbooks, study guides and workbooks; teaching aids, apparatus, overhead projectors, television sets, and video cassette recorders for both learning areas. In addition, each of the schools received 20 computers, printers, software, laboratory furniture, photocopiers, alarm systems and air conditioners.

Workshops for educators, focusing on teaching methods and areas in the curricula where assistance was required, were conducted; as well as computer literacy training and John Maree scholarships for further studies. This has helped educators in understanding curriculum changes. The National Curriculum Statement became a challenge to educators. A renowned service provider was contracted to do the training that changed the negative perception and created a better understanding of the new curriculum. Educators were so well trained and developed by the programme that 22 of the Eskom sponsored educators are permanently employed by the Departments of Basic Education.

The school management intervention assisted many principals in acquiring better skills to run their schools. There was partnering for success. Principals learnt about coping skills from one another and dealing with challenges facing them, learning to share the responsibilities with their peers and colleagues as well as self-reliance.

Learners participated in the grade-12 mathematics and science winter school; were exposed to the Eskom Expo for Young Scientists and the National Science Olympiad. In addition, two additional educators for mathematics and science per school, the John Maree scholarship and the Eskom best educator awards

The following achievements can be reported on for the 2010 academic year:

- Increase in number of learners studying mathematics and science
- Increase in schools offering mathematics and physical science
- Increase in girls taking mathematics and physical science
- Increase in pass rates
- Increased participation in mathematics and physical science olympiads and the Eskom Expo for the Young Scientists reaching national level
- Learner and School awards (Eskom Chairman's Awards)
- Motivated principals and educators
- Interschool network and established relations
- Inter-school visits
- Exposure of learners to the university environment during winter school
- The one mathematics, science and technology programme has been accepted as a model by the Department of Education

Corporate social investment continued

The grade 12 mathematics and physical science results for the 2010 academic year

Schools	Mathematics			% pass		Physical science				
	Boys	Girls	Total	2010	2009	Boys	Girls	Total	2010	2009
Atlantis secondary, Atlantis, Western Cape	38	51	89	73	62	24	22	46	69	47
Kgomotso comprehensive, Soshanguve, Gauteng	92	97	191	33	68	32	35	67	38	54
Little Flower secondary, Ixopo, KwaZulu-Natal	33	41	74	87	70	19	24	43	88	69
Makgetse, high, Hammanskraal, North West	79	112	191	94	81	46	51	97	90	66
Motse Maria secondary, Polokwane, Limpopo	–	31	31	92	62	0	40	40	89	81
Thengwe high, Musina, Limpopo	88	99	177	98	96	66	81	147	94	–
Total										

Comparative pass rate school vs province

Schools	%	Province	%
Atlantis secondary, Atlantis, Western Cape	70,2	Western Cape	76,3
Kgomotso comprehensive, Soshanguve, Gauteng	42	Gauteng	85
Little Flower secondary, Ixopo, KwaZulu-Natal	93,7	KwaZulu-Natal	67,8
Makgetse, high, Hammanskraal, North West	99,4	Gauteng	85
Motse Maria secondary, Polokwane, Limpopo	96	Limpopo	53,7
Thengwe high, Musina, Limpopo	99,8	Limpopo	53,7

Tertiary education support programme

Higher education institutions are constrained to provide the required skills to support South African industry. It is imperative that industry supports higher education institutions to attract, and develop the appropriate skills required. It is also necessary that higher education institutions are capacitated to provide appropriate research for the South African industry. The Eskom tertiary education support programme (TESP) focuses on developing capacity at higher education institutions to undertake research in areas related to Eskom's business and to develop centres of specialisation. This programme has recently been expanded to develop capacity at the higher education institutions to also deliver relevant learning for the Eskom workforce.

The objectives of TESP are to develop students with increased knowledge of science, engineering, and technology, to retain and increase the knowledge base of and lecturing staff at higher education institutions, to develop capacity to conduct research, to increase the pool of potential Eskom employees, and to create capacity to provide knowledge transfer to the Eskom skills pipeline, and professionals in industry.

Grants are awarded to universities and universities of technology for use by academics. These grants are used for research equipment, research studentships, salaries for support staff, development of learning programme capability for industry, and travel. Technical directors from Eskom are appointed to interface with the academics to provide guidance and research direction as well as review progress reports on the research projects.

During the reporting period, TESP has supported 1 073 students, who comprise, among other categories, 308 students conducting masters studies and 194 doctoral studies in areas related to the Eskom business. TESP centres have also developed 121 academics, published 415 papers, produced 16 innovations and patents; and have entered into contract research with both Eskom and other industries.

Chairs are also supported by TESP at Fort Hare University Institute of Technology which covers renewable energy, ICT, and energy efficiency; at the University of the Western Cape covering fuel cells/ electro catalysis technologies and at the University of Pretoria for maintenance engineering.

National science and technology forum

A memorandum of understanding was entered into between the National science and technology forum (NSTF), the National Research Foundation and Eskom for the NSTF awards in the capacity development category, which focuses on the recognition of academics and researchers for their achievements in the development of black, post-graduate students and to degree undergraduate students.

Grants are awarded to institutions for use by the award academic or research winners. Two grants are awarded annually, one to a male and one to a female capacity developer. Eskom is also a member of the NSTF adjudication panel in this category and participates in the annual adjudication of the awards.

Profiles of some projects supported by Eskom Foundation

Eastern Cape

South African Chemical Technology Incubator (Chemin)

Chemin is a technology business incubator established in Port Elizabeth in 2002. It was formed specifically to target downstream chemical industry in South Africa. Its primary focus is on helping to establish relatively late-stage chemical technology business.

Although established as a national incubator, Chemin now focuses primarily on the Eastern Cape and offers services towards supporting and creating manufacturing small and medium enterprises in the chemical sector. Chemin nurtures and accelerates the successful development of start-up and fledgling technology companies. Through a network of supportive resources, technical expertise and shared business services the incubator empowers entrepreneurs with the knowledge and experience needed to become financially viable and independent. It promotes economic growth in the Eastern Cape by supporting entrepreneurship and the development of new, innovative and technology-based companies into successful business ventures while creating jobs.

The incubator provides business, technology and infrastructure support services to all businesses signed into the incubation model.

This includes:

- Business services: market research and assessment, mentoring, partnering and network assistance, accounting and financial management support, compilation of bankable business plan, raw material for piloting and business skills training.
- Technology support services: techno-economic evaluation, technology feasibility evaluation, product registrations, analytical services, process and product refinement, process scale up, piloting and plant design.
- Infrastructure support: manufacturing and office space, telecommunications, internet and email facilities and IT equipment and software. Services provided to client businesses (excluding training) are at costs basis, which is deferred until the business is earning revenue.

The cost for client training is subsidised by chemical industries education and training authority (CHEITA) through a discretionary grant. The Eskom Foundation assisted Chemin with a grant for the purchase of chemical manufacturing equipment.

Elwaan Cleaning Manufacturing

Elwaan manufactures approximately 65 high quality cleaning detergents products (household, industrial degreasers, polishes, hand cleaners, floor strippers and shampoos). Most of his products are SABS certified. Products are sold mainly in Port Elizabeth, the Karoo and in Jeffrey's Bay. The company was a runner up in the Best performing graduated incubatee in the 2009 DTI Awards.



Company owner, Claudio Plaatjies, (right) and his assistant mixing cleaning products.

Corporate social investment continued

Free State

Diketso Eseng Dipuo community development trust, Bloemfontein

Diketso Eseng Dipuo community development trust is a non-government organisation which was established in October 1999. It is an umbrella body for 15 preschools.

The trust operates from Hilton township in Bloemfontein under the Mangaung local municipality. Its role is to assist community-based organisations to access funds. This has enabled the preschools to build the capacity of the early childhood development (ECD) managers, educators, caregivers and governing bodies; and has also made it possible to make ECD services more affordable for the parents of children enrolled at the schools; DEDI and these CBOs also worked together to reach children who are not able to go to these centres. The Foundation approved a grant to purchase educational materials, educational toys and books for Diketso Eseng Dipuo development community trust for the 15 member preschools based in Bloemfontein.



There was much jubilation when the ECD equipment was delivered.

Boiphihlelo after-care centre, Mangaung

The Foundation's donation to the Boiphihlelo after-care centre in Kagisanong has helped the centre to support and care for children who are vulnerable, orphaned and living on the streets; and offering them access to better education.

Boiphihlelo is a Sotho name meaning 'discover yourself' which defines some of the children who were abandoned as babies and are now cared for by the centre. The centre was established in September 2003 as a non-profit and non-discriminatory organisation. The centre operates from two venues, Mothusi primary school and Mangaung resource centre. It has six members of staff and is governed by a board. The centre cares for 110 children between six to 18 years of age. Their vision is to build a sound and stable foundation for the development of the children in their care to become responsible and independent citizens in the society.

This programme is aimed at protecting, training and developing children living around the community by providing them with after-school care services to reinforce sound values, practices and helping them with their school work. Children spend their leisure time constructively, which includes life skills development, visits to educational and recreational sites, individual counselling, interaction with their family (for those who have families) and extramural and cultural activities and recreation.

The Foundation assisted the centre with a donation to cater for a cleaner environment and the ability to provide them with freshly cooked meals. Since the donation, hygiene has improved and the children receive freshly cooked meals.

Gauteng

Ithemba institute of technology

The Ithemba institute of technology is an educational partnership which originated in 2002 when the J&J Group, along with Cummins South Africa and Johannesburg City Power formed an educational alliance which had as its principal focus the establishment of a platform for big business to play a more meaningful and hands-on role in the quality of education in township communities, so that learners would be able to benefit from an education that will lead to higher levels of sustainable employment.

South African youths between the ages of 20 to 24 comprise only 14% of the current workforce, but are over-represented (27%) in the unemployment statistics. Ithemba institute of technology provides industry-relevant skills to the youths in Soweto and surrounding areas.

South Africa has a skills shortage in areas such as mechanical and electrical engineering as well as information technology and communication skills. Research has shown that South Africa has one engineer for every 3 200 people in comparison with Europe that has one engineer for every 250 people and China that has one engineer for every 130 people.

The financial support to the institute is provided by organisations that play a major role in sourcing business partners to work with the institute and as a result, other companies have since joined in the partnership. These include Alstom, Illumination Engineering Society of South Africa, Beka Pty Ltd, Energy Sector Education and Training Authority (ESETA), Scania SA, MAN Trucks, Swedish Trade Council, Sowetan, Bombardier and Development Bank of South Africa (DBSA). Many of the companies involved with the Ithemba institute are not just investing money and resources, but are participating in the governance by serving on its board of trustees.



A student doing a practical test on internal wiring.

Autism South Africa

Autism South Africa was founded in 1989 by concerned parents and professionals as a lobbying and networking organisation. It is now the recognised national body for people with autism spectrum disorders with an additional 10 offices established in Gauteng. In 2008 the organisation established a resource centre and a library, which offers close to one thousand books, 80 fact sheets, and access to the internet, informative DVDs and videos, as well as guidance from personnel.

Autism South Africa later signed a memorandum of understanding with the British national autism society that allows the organisation to reprint and to translate a range of booklets created for the parents and professionals in England. The aim for 2010 was to distribute and launch more electronic and hard copy booklets and to disseminate a 48-page newsletter, 'Aut – Talk', which is packed with informative articles.

There are only seven schools specifically for children with autism in South Africa, six of which receive limited government support. It is estimated that close to 270 000 people are affected by autism in South Africa and currently there is no capacity to cater for the given figure for such children. The Foundation assisted with the supply of office furniture, computer equipment, the installation of a telephone and modem, office equipment as well as material.

Corporate social investment continued

United Cerebral Palsy Association of South Africa

The organisation was initiated by Harry Kessler in 1943. Dr Phillip Kushlik, a well-known paediatrician was a medical director of the United Cerebral Palsy Association (UCPA) of South Africa for the Harry Kessler centre for almost 40 years. When Dr Kushlik passed away at the age of 86, the legacy to pursue his goals continue until today.

The UCPA currently provides a home for people ranging from three to 40 years of age. The aim for the organisation is to empower individuals with cerebral palsy to reach their maximum potential and lead happy and fulfilled lives.

The organisation is open to public and renders the following services: aqua hydro therapy, occupational and speech therapy, a 24-hour residential and a day-care centre. In 1972 and in 1985 the organisation opened a custodial care unit known as the 'Round Table Cottage' and the 'Goldfields Cottage' for semi-adult accommodation.

The Foundation assisted the organisation with funding towards training, audio visual equipment, urns, tables, chairs, office furniture as well as curtains and blinds.



Therapists assist young patients in therapy.

Senzeni building material, Khotsong

Senzeni building material is a community-based project which was established in August 2002. Ten unemployed former mine workers started a manufacturing brick- and block-making project, with the aim of creating jobs in order to alleviate poverty in Khotsong township.

The Merafong city local municipality provided the project with a venue to operate from after presenting the objectives of the project. A local business man donated start-up capital and subsequently, the Department of Social Services also injected cash towards the establishment and the sustainability of the project.

Senzeni project members purchased a used brick- and block-manufacturing machine and started making products on a small scale. The demand started growing that the project could not meet. The Foundation assisted the project with new equipment, implements, a container as well as a portable toilet.

The local municipality invited Senzeni project to tender for the supply of bricks and blocks for the human settlement programme in the area.

KwaZulu-Natal

Inhlansi Yobuhle, Madadeni, Inhlansi

Inhlansi Yobuhle was started in 2008 by Reverend V Zepe, who started a feeding scheme to address the hunger of vulnerable children and those infected and affected by HIV/Aids. Initially this initiative benefited children from Vukani and Qhubeka primary schools; but subsequently, the programme was expanded to various neighbouring sections of Madadeni where the needs and demands could not be ignored.

Most children leave their homes without meals for days and are solely dependent on what they receive from donors. Most of them are orphans and some head-up their households and care for their siblings. Some orphans were under the care of Musawenkosi home, which periodically received help from the Salvation Army, but it ceased to function and eventually turned to Inhlansi Yobuhle and appealed for help. Currently they serve 425 children. They further cater and serve homes with serious social problems, where residents live on pension and social grants; and who have minors who cannot be afforded the basic human needs.

Inhlansi Yobuhle operates as a non-profit organisation and it has managed to secure a site provided in one of the schools with a huge garden where they cultivate crops which are used for the feeding scheme. The centre renders the following services:

- Taking care of children aged birth – 18 years
- Youth empowerment skills programmes
- Alleviate and fight hunger and poverty through self-help projects designed for the community
- Provide food and security for vulnerable children
- Establish sustainable projects for the community
- Promote food gardening in the community
- Liaise, cooperate, coordinate and network with government departments like Social Development, Health, Education, Safety and Security, local and provincial government and NGOs
- Assist and advise orphans regarding available resources and services
- Provide welfare, health care and skills development
- Empowerment and spiritual support

The Foundation provided equipment for the soup kitchen, as well gardening equipment, school uniforms, blankets and training for 15 child-minders and care givers.

Limpopo

Ntwanano agricultural cooperative, Phapazela village near Malamulele

Ntwanano agricultural cooperative was established in 2000 by 35 unemployed people from Phapazela village with a view to create jobs and provide an income for the poor in that area. The cooperative is registered with the Department of Trade and Industry. The farming activities include vegetables such as tomatoes, cabbage, spinach, carrots, sweet potato, onions green pepper and potatoes. They also specialise in crop production such as maize, water melon, pumpkin and beans; and have orchards which yield oranges, macadamia nuts and mangoes.

The cooperative works in collaboration with the Departments of Agriculture, Health and Social Development. Their main objective is to curb poverty and malnutrition and high unemployment. In addition, the cooperative supplies fresh produce which no longer necessitates long-distance travelling for local people to purchase. The Foundation granted funds towards fencing, the drilling of a borehole, electrification and safety equipment.



Members of the cooperative sorting the crop after harvesting.

Corporate social investment continued

Mpumalanga

Focus on development in communities around strategic sites.

The Foundation revised its strategy in 2010 with a view to focus on development in communities around Eskom new build sites. Planning has been completed to implement projects in the communities around Kusile, which include eMalahleni, Delmas, Ogies and Phola, as well as the return to service power stations around Camden, Komati and Grootvlei.

Vukutentele project support initiative

Vukutentele project support initiative is a registered non-profit organisation which has been in existence for eight years. The organisation has been instrumental in caring for the HIV/Aids infected and affected members of the community. Vukutentele has been involved with many community projects during the past few years and also successfully implemented and administered two other projects for the Foundation, Senzokuhle home-based care and Siphumulile home-based care during 2005 as part of the HIV/Aids commemorative day hosted by the Foundation. Their main objectives are to increase the capacity of community-based organisations and projects in the area and to improve the quality of life of people.

Pastor Dumisane Mahlalela, the local pastor and farmer, has mobilised the community to ensure that women and children obtain training with regards to preventative measures of contracting HIV and Aids through conducting regular workshops and by providing them with land on his farm to start a vegetable garden and a soup kitchen.

The main objective of the garden is to take care of community members living with HIV and Aids. The rural area of Masibekela, is found straddling both sides of the main road that runs from Komatipoort to the Mananga border post on the Swaziland border. The rich soil and good river system creates tremendous potential for productive farming and the proceeds can be distributed to the many poor and needy people in the area.

The main stumbling block in this rural area is the lack of nutritional food. The Department of Health's social grants do not satisfy the needs of the people who live with HIV/Aids. The project has the necessary infrastructure at their disposal to prepare nutritious meals for the terminally ill people. The establishment of the vegetable garden provides a solution to this problem. The beneficiaries of this project are a group of 45 families. These families include many orphans, and some child-headed homes.

Northern Cape

Bethel primary school, Bethel

Bethel primary school is on the farm Zoutpansdrift, about 30km from Hopetown. The school serves mainly children of farm workers. The school was established in 1994 and is registered with the Department of Basic Education. The school building was donated by Mr Oberholtzer for the benefit of the farm working community in 1947. In the early days, it was used as a church.

Because of indigency, the parents pay no school fees and the school is dependent on subsidies from the Department. Additional funds are raised through various projects, such as concerts and sports days.

The school has 52 learners from Grades 1 to 6 and Grade 7 was added this year. Most of the learners are within walking distance from the school. A feeding scheme is also provided for the learners.

The Eskom Foundation funded educational toys, computers, built-in cupboards and book shelves.



Learners are excited accessing information through e-learning.

Hug-a-bag educare centre, Pampierstad

The Foundation's donation to Hug-a-bag educare centre indicates how considered assistance has helped the centre to care for children and offer them sound education while the parents are at work.

The centre is situated within the Phokwane local municipal area in Hartswater. The building of the centre was funded by the American Embassy in 2002.

Hug-a-bag educare centre was established and registered in 1995 as a non-profit organisation. The centre enrolled 125 children ranging from birth to six years of age. Their objectives are to create a safe environment, and to provide children with nutritional daily meals.

The Foundation assisted with a donation for mattresses, tables, chairs and exercising outdoor equipment.

Noupoort service centre for the aged, Noupoort

The centre in Noupoort lies in the Umsobomvu municipal district. It was registered as a non-profit organisation in 2000 and caters for about 200 elderly persons from Noupoort and surrounding areas by providing nutritional meals three times a week. The senior citizens also participate in programmes from the Departments of Health, Social Development and the South African ■■■■.

The Foundation assisted with a donation of blankets, a deep-freeze, carpets, tables and chairs, crockery and cutlery. The donation has improved the standard of service at the centre and created awareness about the centre with a view to have other senior citizens join the centre.

North West

Vuselela further education and training college

Vuselela further education and training (FET) College has five campuses in Jouberton near Klerksdorp, Potchefstroom, Matlosana and Taung which serve the southern and western areas of the province.

The college is registered with the provincial Department of Education.

The college offers inclusive education and community development is a priority. 'Best practices' is a key issue and the quality management system is regarded as an asset to the college. Re-skilling of people who have lost their jobs in a shrinking economic environment such as mining is also a priority. Student support services are seen as one of the pillars of strength in supporting and empowering students.

The Foundation assisted in equipping the electrical and electronic workshops and providing consumable material. The grant benefited a total of 3 515 beneficiaries from both electronic as well as the electrical engineering fields, including the educators.

Western Cape

Goedgedacht Catholic Trust, Malmesbury

The Foundation's donation to Goedgedacht Catholic Trust provided for the purchase of farm implements, olive trees and the installation of an irrigation system. This initiative increased direct employment of farm workers from 40 to 100 employees.

Goedgedacht Catholic Trust is a registered, non-profit and public benefit organisation with level 4 BEE status. It is a development organisation that empowers others, enabling them to reach their highest level of competency, thereby strengthening the community and promoting democracy. It has a board of trustees that oversees the work.

The activities of the trust centre are on a farm of 171 hectares called Goedgedacht, which is situated in the Riebeecks river valley in the district of Malmesbury. The educational and charitable trust was established in 1993 after the farm was purchased in 1992. With the help of generous friends and international development agencies, they have managed to renovate, convert and add new buildings when required.

Goedgedacht has three clusters of projects:

The first cluster centres around rural poverty alleviation and it aims to give children of farm workers a better future. This comprises:

- Parenting skills training
- A crèche for children aged three to five
- A preschool and reception class
- Youth work
- School support and after-school educational support, including a sports programme
- e-Pap distribution to 940 hungry pre-schoolers in the area each day
- A valley delicatessen
- Safe houses for orphans and vulnerable children on farms
- Home-based care and directly observed treatment training for carers
- Foetal alcohol syndrome and foetal alcohol effected education to rural communities
- HIV/Aids peer training workshops.

Corporate social investment continued

The second cluster centres around climate change projects. This is achieved by planting crops that are environmentally friendly, and include elements like fog harvesting, earth bricks, community cycles, the Esterhof flower project, and the 90% by 2030 programme, bio-diversity programme, the Goedgedacht olive farmers' association, olive peace grove and the climate change crops project.

The third cluster is made up of projects that do not fall easily into either of the first two clusters but which enrich Goedgedacht's contribution to important and pressing national issues. The most important is the prestigious Goedgedacht forum for social reflection, which houses the lovely Goedgedacht conference and retreat centre. This offers a range of high quality accommodation and conferencing options to organisations and groups at competitive rates.

Economic development streams of the trust's projects include: the following:

- 29.5ha of arable land that has been planted with olive groves; to date 11 000 trees
- 3ha of fig trees have been planted
- 3ha of pomegranate trees were planted in 2007.

The Goedgedacht olive farmers' association (GOFA) started in 2007 and involves 53 emerging black small-holder farmers in the planting of 15ha of olive trees in the West Coast region. Some farm independently and some communally. These groves will take some years before the olives can be harvested.

The C3 – climate change crops project is test planting more hardy alternatives to traditionally grown crops at Goedgedacht farm. It disseminates information to farmers about climate change and is working with them to plant hardy crops which will yield more crop and income in the years before the olives ripen.

The old Cape Dutch buildings on the farm were renovated and added to during the period 1993 and 2008 to set up a conference and workshop training centre. At present the Goedgedacht centre has 67 beds which are used by NGOs, community organisations, schools, universities and some corporates for a range of training and workshop needs.

As the Goedgedacht trust is tax exempt and cannot trade, the Goedgedacht trading company was set up to trade with olives, figs and pomegranates grown on Goedgedacht Farm. The trustees are the only directors of the trading company, which is run by a general manager, supported by the farm manager and a group of experienced business people who give of their time voluntarily.



Thandi Nkonzo and Cecil Ramonotsi from Eskom await the arrival of the Goedgedacht Trust members to hand over the farm implements funded by the Eskom Foundation.

Contact details

Eskom Development Foundation NPC
Registration No 1998/025196/08

PO Box 1091
Johannesburg
2000

Megawatt Park
Maxwell Drive
Sunninghill
Sandton 2146

Telephone +27 11 800 8111
www.eskom.co.za/csi