

## South Africa's CDM Project Portfolio

(Up to 12 Aug 2010)

To date, there are 156 CDM projects submitted to the DNA – 123 Project Idea Notes (PINs) and 33 Project Design Documents (PDDs). Out of 33 PDDs, 17 have been registered by the CDM Executive Board as CDM projects (4 Issued with CER's), and 16 are at different stages of the project cycle – DNA approval, validation stage and/or request for review. The projects submitted to the DNA for initial review and approval cover the following types, bio-fuels, energy efficiency, waste management, cogeneration, fuel switching and hydro-power, and cover sectors like manufacturing, mining, agriculture, energy, waste management, housing, transport and residential. The table below is a consolidated list of projects at PDD and PIN stages. To view more information on the registered projects, [follow the link by clicking on the title of the project.](#)

Date submitted to DNA	PDD Ref Number to UNFCCC	Project Title	Project Description	Project type	tCO2e Annual Emission Reductions	Project Life-span	Project Status	Project Developer /Owner
October 2005	0079	<a href="#">Kuyasa Low-Cost Urban Housing Energy Project</a>	Energy efficiency project involving the installation of solar water heaters, ceiling insulation and compact fluorescent light bulbs (CFLs) in RDP houses.	Energy Efficiency	7000	21	<ul style="list-style-type: none"> <li>The project was registered in August 27, 2005.</li> <li>The project was awarded the Gold Standards.</li> <li>The implementation process is underway</li> </ul>	City of Cape Town Mr. Osman Asmal Tel: 021 360 1114 Fax : 021 360 1113 <a href="mailto:osman.asmal@capetown.gov.za">osman.asmal@capetown.gov.za</a>
October 11, 2005	2692	<a href="#">Bethlehem Hydro</a>	Bethlehem Hydro (Pty) Ltd aims to build a hydro power plant.	Renewable Energy	27 000	20	<ul style="list-style-type: none"> <li>The project was registered on 08 Oct 2009</li> </ul>	NuPlanet BV Mr. Anton-Lewis Olivier tel +27 12 349 2944 <a href="mailto:al@nuplanet.co.za">al@nuplanet.co.za</a>
October 11, 2005	0358	<a href="#">Rosslyn Brewery Fuel-Switch Project</a>	This is fuel switching project replacing coal with natural gas and biogas as energy source.	Fuel Switch	107 000	7	<ul style="list-style-type: none"> <li>The project was registered on November 29, 2006</li> <li>The implementation process is underway</li> </ul>	South African Brewery Mr. Pancho Ndebele Tel: 011 884 3399 Fax:011 881 8481 Cell : 082 924 2077 <a href="mailto:pancho.ndebele@za.sabmiller.com">pancho.ndebele@za.sabmiller.com</a>
October 10, 2005	0177	<a href="#">Lawley Fuel Switch Project</a>	The project entails the conversion from coal to natural gas as thermal fuel used in clay brick baking kilns at the Lawley Corobrik factory.	Fuel Switch	19 000	10	<ul style="list-style-type: none"> <li>The project was registered on March 6,2006</li> <li>Implementation process started on the same year.</li> <li>CER's issued on the 13 June 2008</li> </ul>	Corobrick Mr. Dirk Meyer Tel: 031 560 3419 Fax: 031 560 3483 <a href="mailto:dirk.meyer@corobrik.co.za">dirk.meyer@corobrik.co.za</a>
December 22,		<a href="#">PetroSA Biogas-to-</a>	The project aims to utilize waste	Cogeneration	29 000	10	<ul style="list-style-type: none"> <li>The project was</li> </ul>	MethCap (Pty) Ltd

2005	0446	<a href="#">energy Project</a>	gas presently flared to generate electricity to be used onsite.				<ul style="list-style-type: none"> <li>registered in September 29, 2006.</li> <li>The implementation process is underway</li> </ul>	Adv Johan van der Berg Tel: 021 883 3474 Fax : 021 425 5055 Cell : 082 925 5680 <a href="mailto:johanvdb@cdmafrica.com">johanvdb@cdmafrica.com</a>
February 6, 2006							<ul style="list-style-type: none"> <li>The project is at the validation</li> <li>Project approval</li> </ul>	EcoElectrica (Pty) Ltd Ms Vanessa Gounden Ms Vanessa Gounden Tel: 011 514 0441 Cell: 083 258 3249 <a href="mailto:vanessa.gounden@ecoelectrica.co.za">vanessa.gounden@ecoelectrica.co.za</a>
April 25, 2006		Emfuleni Power Project	The project entails capturing and utilization of off-gases to generate electricity from the grid.	Cogeneration	608 000	10	<ul style="list-style-type: none"> <li>The project was registered in December 15, 2006.</li> <li>Construction process started in 2006 and the flaring system has been installed.</li> <li>Project operational</li> <li>First verification done</li> </ul>	
	0545	<a href="#">Durban Landfill-gas-to-electricity project – Marrianhill and La Mercy Landfills</a>	The project involves the recovery of landfill methane for electricity generation	Methane Recovery and Flaring	69 000	7	<ul style="list-style-type: none"> <li>The project was registered in May 3, 2007.</li> <li>Implementation has begun.</li> <li>Issued with CER's</li> <li>CER's issued 19 Jan 2009.</li> <li>Verified period of 18 Mar 2008 – 08 July 2008</li> </ul>	Ethekekwini Municipality Dr. Debra Roberts Tel: 031263 1371/2 Fax: 031 263 1310 Cell: 083 631 2682 <a href="mailto:robertsd@durban.gov.za">robertsd@durban.gov.za</a>
July 26, 2006							<ul style="list-style-type: none"> <li>The project was registered in May 3, 2007.</li> <li>Implementation has begun.</li> <li>Issued with CER's</li> <li>CER's issued 19 Jan 2009.</li> <li>Verified period of 18 Mar 2008 – 08 July 2008</li> </ul>	
	0752	<a href="#">Omnia Fertilizer Ltd Nitrous Oxide Reduction Project</a>	The aim of this project is to reduce emissions of Nitrous Oxide from Nitric Acid Production.	N <sub>2</sub> O Reduction	576 000	21	<ul style="list-style-type: none"> <li>The project was registered in February 12, 2007.</li> <li>The construction process for the project started January 2007.</li> </ul>	Omnia Fertilizer Ltd Mr. E. Jack Tel:+ 27 16 970 7238 Fax +27 16 976 2650 <a href="mailto:ejack@omnia.co.za">ejack@omnia.co.za</a>
July 18, 2006							<ul style="list-style-type: none"> <li>The project was registered in February 12, 2007.</li> <li>The construction process for the project started January 2007.</li> </ul>	
	0795	<a href="#">Tugela CFB10 Conversion from Coal to Bark Fired</a>	The project entails fuel from coal to biomass at Tugela pulp and paper mill.	Fuel Switch	70 000	7	<ul style="list-style-type: none"> <li>The project was registered in 20 May,</li> </ul>	Sappi Kraft Ltd Mr. Johan Myburgh Tel: +27 (0)11 407 8123 Cell: +27 (0)83 456 9303 Fax : +27(0)11 339 6869 <a href="mailto:Johan.myburgh@sappi.com">Johan.myburgh@sappi.com</a>
August 28, 2006		<a href="#">Mondi Richards Bay Biomass Project</a>	The project entails generation of electricity from biomass.	Cogeneration	222 000	10	<ul style="list-style-type: none"> <li>The project was registered in 20 May,</li> </ul>	Mondi Business Paper ???

	0966						<ul style="list-style-type: none"> <li>2007. Implementation has begun.</li> </ul>	<p>Tel: 035 902 2111          Fax: 035 902 2229          Cell : 082 898 5750</p>
August 18, 2006		Mondi Richards Bay Gas Turbine Co-generation Project	The project involves fuel switch from coal and grid electricity to natural gas using an on-site combined cycle gas turbine.	Fuel Switch	131 000	20	<ul style="list-style-type: none"> <li>At validation stage (EB request)</li> <li>DNA Approval</li> </ul>	<p>Mondi Business Paper          Mark Miller          Tel: 035 902 2111          Fax: 035 902 2229          Cell : 082 898 5750  <a href="mailto:Mark.miller@mondigroup.com">Mark.miller@mondigroup.com</a></p>
November 6, 2006	1027	<a href="#">Transalloys Manganese Alloy Smelter Energy Efficiency Project</a>	The project is an industrial energy efficiency project that will reduce the electricity consumption in the production of silicon manganese (SiMn) alloy (a key component in steel making) at the Highveld Steel and Vanadium Corporation Ltd's Witbank facility.	Energy Efficiency	83 000	10	<ul style="list-style-type: none"> <li>The project registered in October 19, 2007</li> <li>Issued with CER's</li> <li>CER's Issued on 06 Nov 2008</li> <li>Verified Period 01 Oct 2004 – 2008.</li> </ul>	<p>Ecosecurities South Africa (Pty) Ltd          Mr. Henk Sa  <a href="mailto:henksa@ecosecurities.com">henksa@ecosecurities.com</a></p>
November 6, 2006	0961	<a href="#">Sasol Nitrous Oxide Abatement Project</a>	The objective of the project is to reduce the Nitrous Oxide emission from the nitric acid plants of the Sasol Nitro operations at Secunda and Sasolburg.	N <sub>2</sub> O Reduction	610 000	10	<ul style="list-style-type: none"> <li>The project was registered in 25 May, 2007.</li> <li>Implementation has begun.</li> <li>Issued with CER's</li> <li>Issued 07 Aug 2008</li> <li>Verified period 25 May 2007 – 01 Oct 07</li> </ul>	<p>Sasol Nitro Division          Ms Nikki Wagner          Tel: 011 344 0133          Fax : 011 522 4965  <a href="mailto:Nikki.wagner@sasol.com">Nikki.wagner@sasol.com</a></p>
November 20, 2006	0925	<a href="#">EnviroServ Chloorkop Landfill Gas Recovery Project</a>	The project aims at the recovery and utilization of methane gas from EnviroServ Chloorkop landfill.	Methane Recovery and Flaring	188 000	7	<ul style="list-style-type: none"> <li>The project was registered by CDM EB on April 27, 2007</li> <li>Installation and commissioning completed</li> <li>Commissioned 19/01/08</li> <li>Operational agreement</li> </ul>	<p>EnviroServe Waste Management (Pty) Ltd          Ms Esmé Gombault          Tel: 011 519 0200          Fax: 011 519 0201  <a href="mailto:esmeg@enviroserv.co.za">esmeg@enviroserv.co.za</a></p>

							finalized.	
December 4, 2006	1171	<a href="#">Nitrous Oxide Emission Reduction Project - Plant 9</a>	This project aims at reducing waste gas emissions of nitrous oxide (N <sub>2</sub> O) produced during the production of nitric acid (HNO <sub>3</sub> ).	N <sub>2</sub> O Reduction	250 000	10	<ul style="list-style-type: none"> <li>The project was by registered by CDM EB in November 5, 2007</li> <li>Implementation underway</li> </ul>	African Explosives Ltd. South Africa Mr. Lincoln Partridge Tel: 011 606 2696 Fax : 011 606 2426 <a href="mailto:lincoln.partridge@frica.com">lincoln.partridge@frica.com</a>
May 9, 2007	1364	<a href="#">Nitrous Oxide Emission Reduction project – Plant 11</a>	This project aims at reducing waste gas emissions of nitrous oxide (N <sub>2</sub> O) produced during the production of nitric acid (HNO <sub>3</sub> ).	N <sub>2</sub> O Reduction	264 000	10	<ul style="list-style-type: none"> <li>DNA Approval</li> <li>The project registered by CDM EB in February 08, 2008.</li> </ul>	African Explosives Ltd. South Africa (AEL), Mr. Leon Aucamp Tel: 011 606 3287 Fax : 011 606 2426 Cell : 082 821 5955 <a href="mailto:aucamp@ael.co.za">aucamp@ael.co.za</a>
July 31, 2007	1665	<a href="#">Kanhym Farm Manure to Energy Project</a>	The project aims at generating electricity from anaerobic digestion of piggery manure at the Kanhym farm.	Renewable Energy	27 000	10	<ul style="list-style-type: none"> <li>Approved by the DNA</li> <li>The project registered by the CDM EB on 18 July 2008.</li> </ul>	BioTherm SPV1 (Pty) Ltd Adv. Johan van der Berg Tel: 021 883 3474 Cell: 082 925 5680 <a href="mailto:johanvdb@cdmafrica.com">johanvdb@cdmafrica.com</a>
September 28, 2007		Humphries Boerdery Piggery Methane Capture and Electricity Generation Project	The project aims at generating electricity from anaerobic digestion of piggery manure at the Humphries Boerdery Farm near Bela-Bela, Limpopo Province	Renewable Energy	11 000	20	<ul style="list-style-type: none"> <li>Approved by the DNA</li> <li>Pending approval by the CDM EB</li> </ul>	Humphries Boerdery (Pty) Ltd Mr Lourens Humphries Cell: +27 82 332 0778 <a href="mailto:lourens@vea.co.za">lourens@vea.co.za</a>
September 18, 2007	1921	<a href="#">Durban Landfill gas to Electricity Project – Bisasar Road Landfill</a>	The project aims at recovery of Landfill methane to electricity generation.	Methane Recovery and Flaring	352 000	20	<ul style="list-style-type: none"> <li>Approved by the DNA.</li> <li>The project has been registered by the CDM EB on the 26 March 09</li> </ul>	EtheKwini Municipality Mr John Parkin Tel : 031 311 8820 <a href="mailto:johnpa@dmws.durban.gov.za">johnpa@dmws.durban.gov.za</a>
31 March 2008		Ekurhuleni Metropolitan Municipality Landfill gas recovery project	The project aims to capture landfill gas from landfill sites around Ekurhuleni Metropolitan Municipality and generate	Methane Recovery and Flaring	243 629	20	<ul style="list-style-type: none"> <li>Approved by the DNA</li> </ul>	Ekurhuleni Metropolitan Municipality Mr. Tony Pieterse Tel: 011 899 4111

			electricity					Cell: 082 774 5567 <a href="mailto:Sonjav@Ekurhuleni.com">Sonjav@Ekurhuleni.com</a> <a href="mailto:pieterset@Ekurhuleni.com">pieterset@Ekurhuleni.com</a>
26 May 2008	2549	<a href="#">Alton Landfill Gas to Electricity project</a>	The project aims to generate electricity from landfill gas	Methane Recovery and Flaring	70 000	10	<ul style="list-style-type: none"> <li>Approved by the DNA</li> <li>The project has been registered by the CDM EB on the 24 Aug 09</li> </ul>	ENERG Systems uMhlathuze (PTY) LTD Mr. David Cornish Office: 031-5640222 Cell: 083-3850661 <a href="mailto:dcornish@gessa.co.za">dcornish@gessa.co.za</a>
07 July 2008		New Energies Commercial Solar Water Heating Programme in South Africa	The project aims at retrofitting of existing electric water heating technologies with solar based water heating technologies and installation of new solar water heating technologies into commercial or large scale users of hot water in hospitals, residential or industrial sectors	Renewable Energy	967 80	10	<ul style="list-style-type: none"> <li>PDD under review process by the DNA</li> </ul>	Prostart Traders 40 (Pty) Ltd, t/a NewEnergies (Pty) Ltd Mr Neriell Huwirtz Office: 012 362 3311 Fax : 086 508 8932 <a href="mailto:nerielh@suntank.com">nerielh@suntank.com</a>
08 July 2008		Karbochem Combined Heat and power project (Newcastle Cogeneration Project)	The project involves the replacement of coal with Sasol gas as energy source for the steam production.	Cogeneration	322 000	21	<ul style="list-style-type: none"> <li>PDD under review process by the DNA</li> </ul>	IPSA Group PLC Mr. Mike Eyre Tel: +44 (0) 20 7793 7676 Fax: +44 (0) 20 77937654
17 July 2008		Boskor Renewable Electricity Plant (BREP)	The project activity involves to generate electricity from sawmill residues, for sale onto the national grid.	Renewable Energy	14 010	10	<ul style="list-style-type: none"> <li>PDD under review process by the DNA</li> </ul>	Piet Reyneke MTO forestry (Pty) Ltd Tel: +2721 8661512 Fax: +2721 866 1343 <a href="mailto:preyneke@silvae.co.za">preyneke@silvae.co.za</a>
10 Dec 2008		The Gluten 20 dryer of Tongaat Hulett Starch Fuel Switch Project	The purpose of the project is to reduce greenhouse gas emissions and unpleasant offgas smells in a product dryer by switching fuel from coal to natural gas.	Fuel Switch	8 360	14	<ul style="list-style-type: none"> <li>PDD under review process by the DNA</li> </ul>	Tongaat Hulett Starch Property Limited Mr Daniel Loubser Tel:011 4585252 Fax:011 4585251 Cell:083 6403240 <a href="mailto:daniel.loubser@tonstarch.co.za">Email:daniel.loubser@tonstarch.co.za</a>
20 April 2009		New England Landfill Gas to Energy Project	The project propose to collect and utilize the landfill gas (LFG)	Methane Recovery and	53 652	7	<ul style="list-style-type: none"> <li>Approved by the DNA</li> </ul>	Jennifer Orr +27 (0) 11 575 6203

			generated at the New England Landfill site.	Flaring				Fax: +27 (0) 11 576 6198 Cell: +27 (0) 78 802 6824 Email: <a href="mailto:Jennifer.Orr@ecosecurities.com">Jennifer.Orr@ecosecurities.com</a>
23 June 2009		CCE Solutions Biomass to Electricity Project	The project activity will reduce greenhouse gas (GHG) emissions by supplying clean electricity into the national grid and replacing electricity generated from fossil fuel sources	Biomass	54 153	10	<ul style="list-style-type: none"> <li>Approved by the DNA</li> </ul>	Mr Christos Eleftheriades Tel: +27 83 267 5185 Fax: +27 11 475 31110 <a href="mailto:ceenviro@icon.co.za">ceenviro@icon.co.za</a>
03 Aug 2009		Omnia Steam Turbine Project	The proposed project activity will generate energy from the wasted pressure release. This will be done by replacing the pressure reducing valves with a steam turbine which will generate electricity. The technology to be employed involves the installation of a steam turbine with a maximum capacity of 1.92 MW of electricity generation	Industrial Process(Energy Supply)	14, 765	7	<ul style="list-style-type: none"> <li>PDD Under review process by the DNA</li> </ul>	Mr Pieter van der Merwe Omnia Fertilizer Limited 016 970 7200 083 252 4852 <a href="mailto:pvdmerwe@omnia.co.za">pvdmerwe@omnia.co.za</a>
14 December 2009		BioTherm Heric Ferrochrome Cogeneration Project	The aim of this project is to flare the poisonous CO rich off gas produced as a by-product of the smelting process, into CO2. A proposed power generation facility will use the off gas as the primary fuel source. The electricity produced will be fed back into Heric substation, thus reducing electricity supply required by Heric from the national grid (Eskom).	Industrial Process	186, 189	10	<ul style="list-style-type: none"> <li>PDD Under review process by the DNA</li> </ul>	Liebenberg Charles BioTherm Energy (Pty) Ltd Tel: + 27 (0) 11 367 4600 Cell: +27 (0) 72 954 7116 <a href="mailto:cliebenberg@biothermenergy.com">cliebenberg@biothermenergy.com</a>
26 April 2010		Heat Retention Cooking in South Africa	The aim of this project is to introduce a heat-retention cooker known as Wonder bag. This is an insulated container designed to hold a hot-pot safely for several hours, so that food can be cooked through heat retention. When	Energy Efficiency	153, 492	7	<ul style="list-style-type: none"> <li>Approved by the DNA</li> </ul>	Ms. Sarah Collins Natural Balance (Pty) Ltd Tel: +2711 442 2767 Cell: +2782 340 5583 Fax: +2711 880 4986 <a href="mailto:sarah@naturalbalancesa.com">sarah@naturalbalancesa.com</a>

			using the device, cooking is done two stages: First, conventionally on the stove, bringing the food up to temperature and boiling for long enough to ensure that high temperature is achieved throughout. Second, the pot is immediately transferred to the WB where it is thermally insulated and continues to cook.					Dr. Harvey Adam Tel: +44 1865 207019 Cell: +44 791 739 1156 <a href="mailto:adam.harvey@jpmorganclimatecare.com">adam.harvey@jpmorganclimatecare.com</a>
29 April 2010		Lowpal Timbers Wood Waste to Energy Project in Sabie, South Africa	The objective of the project is to generate 2 MW, net electricity, from wood waste at Lowpal Timbers in South Africa. The utilization of the biomass waste to produce electricity, will avoid the generation of methane emissions resulting from anaerobic decomposition.	Renewable Energy	18, 889	7	<ul style="list-style-type: none"> <li>PDD Under review process by the DNA</li> </ul>	Marcel Steinberg EECO Fuels Renewable Energy Company Tel: +27(11) 794 5933 Cell: +27 (83) 282 4247 Fax: +27 (86) 616 1312 <a href="mailto:marcel@eecofoels.com">marcel@eecofoels.com</a>
15 June 2010		The Capture and Utilisation of Methane at the GFI Mining South Africa' owned Beatrix Mine in South Africa	The objective of the project is to destruct, flair and then use the underground mine methane and the non-mine methane for electricity generation	Methane Recovery and Flaring	212, 730	7	<ul style="list-style-type: none"> <li>PDD Under review process by the DNA</li> </ul>	Mr. Dirk van Greuning GFI Mining South Africa (Pty) Ltd/ Promethium Carbon (Pty) Ltd
22 June 2010		Sasol Gas Turbine Co-generation at Sasol Secunda Synfuels plant, South Africa	The objective of the project is to substitute some of the electricity imported from Eskom with electricity generated on site at Secunda using natural gas and project fuel	Fuel Switch	1, 204, 4442	10	<ul style="list-style-type: none"> <li>PDD Under review process by the DNA</li> </ul>	Herman Van der Walt Sasol Synfuels (Pty) Ltd Tel: 011 522 4787 Fax: 011 344 0141 <a href="mailto:Hermnsn.vanderwalt@sasol.com">Hermnsn.vanderwalt@sasol.com</a>
18 October 2004		Kouga Wind farm/ Pumped Storage Hydro	This project aims at generating electricity from wind and dammed water and supplying it to the area.	Renewable Energy	26 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Genesis Eco Energy Pty Ltd Tel:041 3661 237 Fax:41 336 1415 Cell: 082 825 0985 <a href="mailto:es.enersys@mweb.co.za">es.enersys@mweb.co.za</a>
28 January 2005		Sasol Limited Natural gas conversion project	The project entails the using natural gas as a supplement to replace the use of coal as a feedstock at two sasol plants in	Fuel Switch	6 490 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Dr M.W Rose Gerrit Kornelius Tel: 011 344 0141 <a href="mailto:Gerrit.kornelius@sasol.com">Gerrit.kornelius@sasol.com</a>

		South Africa and this result in reducing emissions per unit of the output.					
30 August 2005	Meyerton Bio-Diesel Project	The project involves the production of bio-diesel from waste vegetable oils.	Bio-fuel Production	90 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Exclusive Access Trading (Pty) Ltd Tel: 011 789 4320 Fax : 011 789 4334 Cell : 083 265 2464 <a href="mailto:amide@icon.co.za">amide@icon.co.za</a>
23 September 2005	Mafikeng Bio-Diesel	The project involves the production of bio-diesel from waste vegetable oils.	Bio-fuel Production	327 000	30	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Mafikeng Bio-diesel Mrs Zodwa Mvulane Tel: 014 594 2570 Fax:014 5942575/6 <a href="mailto:zodwa@nw.org.za">zodwa@nw.org.za</a>
19 January 2006	Chrome Smelter Fuel Switch Project	This project entails the production of electricity for on-site usage from the smelter off-gases.	Cogeneration	600 000	20	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Envigas (Pty) Ltd Tel:0122051035/65 Fax:012 205 1654 Cell: 082 356 1292 <a href="mailto:pan@sangiro.co.za">pan@sangiro.co.za</a>
19 January 2006	Alrode-Biodiesel	The project involves the production of bio-diesel from soya and palm oils.	Bio-fuel Production	189 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Exclusive Access Trading (Pty) Ltd Tel: 011 789 4320 Fax : 011 789 4334 Cell : 083 265 2464 <a href="mailto:amide@icon.co.za">amide@icon.co.za</a>
28 March 2006	Concentrated Solar Thermal Electricity Generation Project	The project involves generation of grid electricity from concentrated solar.	Renewable Energy	375 000	35	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Eskom Holdings Ltd Ms Wendy Poulton 011 800 2634 <a href="mailto:wendy.Poulton@eskom.co.za">wendy.Poulton@eskom.co.za</a>
28 March 2006	Coal Plant Precipitators Energy Efficiency Project	The project involves the efficient use of electricity at the Eskom's Matimba power station.	Energy Efficiency	12 000	32	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Eskom Holdings Ltd Ms Wendy Poulton 011 800 2634 <a href="mailto:wendy.Poulton@eskom.co.za">wendy.Poulton@eskom.co.za</a>
28 March 28, 2006	Gariep Hydroelectric Upgrade Project	The project aims to increase the generation capacity of the Gariep hydroelectric power station.	Energy Efficiency	77 000	30	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Eskom Holdings Ltd Ms Wendy Poulton 011 800 2634 <a href="mailto:wendy.Poulton@eskom.co.za">wendy.Poulton@eskom.co.za</a>
08 June 2006	Vanadium Iron Smelter Energy Efficiency Project	The project aims to reduce energy consumption used during the production process at Witbank facility.	Energy Efficiency	36 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Highveld Steel & Vanadium Corporation Ltd Mr. Kobus Sutherland Tel: 013 690 9571

							Fax: 013 690 9804 Cell : 084 561 6042 <a href="mailto:kobuss@hiveld.co.za">kobuss@hiveld.co.za</a>
22 June 2006	Siyanda Bio-diesel	The project aims to install and operate a bio-diesel production plant consisting of soya oil extraction plant and refinery facility.	Bio-fuel Production	275 000	7	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> <li>PDD at final stage of preparations</li> </ul>	Siyanda Biodiesel (Pty) Ltd Mr. Desmond Padiachey Tel: 011 445 2451/1 Fax: 011 445 2452 084 5562026 <a href="mailto:dkpadiachey@telkomsa.nt">dkpadiachey@telkomsa.nt</a>
20 July 2006	Tshwane-Lilanda Methane Gas Project	The purpose of the project is to generate electricity based on methane recovered from 9 landfill sites around Pretoria.	Methane Recovery and Flaring	803 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Lilanda Holdings (Pty) Ltd and City of Tshwane Metropolitan Municipality Mr Wiseman 0835128360 <a href="mailto:wiseman@lilanda.co.za">wiseman@lilanda.co.za</a> Mandla: 0825128360 <a href="mailto:mandla@lilanda.co.za">mandla@lilanda.co.za</a>
28 August 2006	NCP Coal to Gas Fuel Switching Project	The project is a fuel switch from coal to methane gas at the NCP manufacturing facility.	Fuel Switch	50 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> <li>PDD at final stage of preparations</li> </ul>	NCP Alcohols (Pty) Ltd. Mr. Carl Freyer Tel: 031 560 1111 Cell: 082 462 1544 <a href="http://www.ncpalcohols.com">www.ncpalcohols.com</a> <a href="mailto:carlf@ncpalcohols.com">carlf@ncpalcohols.com</a>
20 September 2006	Letaba Biomass Fuel Switching Project	The aim of the project is to replace coal with biomass to generate steam.	Fuel Switch	19 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> <li>PDD at final stage of preparations</li> </ul>	BioTherm SPV 2 (Pty) Ltd. Mr. Johan van den Berg Tel: 011 233 7911 Fax: 011 233 7801 Cell:082 925 5680 <a href="http://www.biothermenergy.com">www.biothermenergy.com</a> <a href="mailto:johanvdb@cdmafrica.com">johanvdb@cdmafrica.com</a>
25 September 2006	NOPI – National Organic Produce Initiative	The project aims to introduce hemp biomass, lime and wood as construction media and energy efficiency methods for low cost housing.	Fuel Switch	50 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	International Consortium of Future Energies Mr. Thierry Tel: 011 887 0800 Fax: 011 887 7833 Cell: 084 832 8810 <a href="mailto:cmhlongo@worldonline.co.za">cmhlongo@worldonline.co.za</a>

14 December 2006	Tongaat-Hulett Cogeneration Project	The project aims to increase electricity generation capacity of the Tongaat plant.	Cogeneration	55 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> <li>PDD at final stage of preparations</li> </ul>	Tongaat-Hulett's Cogeneration Company Mr. Allan Ferguson 032 439 4328 (W) 032 439 496 (F) <a href="mailto:allan.ferguson@tongaat-hulett.co.za">allan.ferguson@tongaat-hulett.co.za</a>
15 December 2006	SCAW Fuel Switch Project	The project aims to switch from coal to natural gas.	Fuel Switch	130 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	SCAW Metals (Pty) Ltd Mr. Deirdre Lingenfelder 011 842 9582 (W) 011 842 9719 (F) <a href="mailto:deirdre@scaw.co.za">deirdre@scaw.co.za</a>
21 December 2006	Mittal Steel Waste Heat to Energy Project	The project aims to capture waste heat presently not being utilized to generate electricity.	Cogeneration	200 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Mittal Steel Mr. Nico Smith 016 886 3382 (W) 083 304 0052 (M) 016 889 3025 (F) <a href="mailto:nico.smith@mittalsteel.com">nico.smith@mittalsteel.com</a> <a href="http://www.mittalsteel.co.za">www.mittalsteel.co.za</a>
19 January 2007	Samancor Chrome Electricity from Furnace Offgas Project	The purpose of the project is to generate electricity from waste energy.	Cogeneration		21	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Samancor Ms Lourens Erasmus 011 245 1000 (W) 011 245 1290 (F) <a href="mailto:lourens.erasmas@samancor.com">lourens.erasmas@samancor.com</a>
16 March 2007	Molten Slag and Metal Project	It is an energy-efficiency project at the Metalloys, Samancor Meyerton Works.	Energy Efficiency	200 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> <li>PDD at final stage of preparations</li> </ul>	Molten Slag and Metal (Pty) Ltd Mr. Anton Mecchi 011 245 1000 (W) 082 923 9536 (M) 086 866 8236 (F) <a href="mailto:mecchi@yebo.co.za">mecchi@yebo.co.za</a>
20 February 2007	Orange-Fish River Small Hydro Power Project	The project involves generation of hydro-electric power	Renewable Energy	60 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Clackson Power Company (Pty) Ltd Mr. Eric Clack 013 755 3838 (W) 082 890 8418 (M) 013 753 2621 (F) <a href="mailto:derrick@clacksonpower.com">derrick@clacksonpower.com</a>

11 February 2007	Southern Cape Cleaner Energy Project	The project aims to generate electricity from biomass.	Renewable Energy	50 000	25	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> <li>PDD at final stage of preparations</li> </ul>	Carbon and Environmental Options (Pty) Ltd Mrs Margot Saner 011 475 3161 (W) 011 475 1110 (F) 082 443 4030 (M) <a href="mailto:margotsaner@imaginet.co.za">margotsaner@imaginet.co.za</a>
04 May 2007	Biomass Based Combined Heat and Power Plant	The project proposes a refurbishment of the existing turbines by switching the heating systems from heat to steam thereby improving the plant's energy efficiency and producing power.	Energy Efficiency	21 000	15	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	MrPiet Reyneke Private Bag X5024 Stellenbosch 7599 Office: +27 21 866 1512 Cell: 082 909 2956 <a href="mailto:preyneke@silvae.co.za">preyneke@silvae.co.za</a>
17 May 2007	Saldanha Bay Clean Fuel Switch Project	The project aims to replace old mothballed coal-fired power station with a 2028MW gas fired station to generate electricity.	Fuel Switch	20 170 000	40	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Prof Francois Cornish P O Box 3672 Somerset West 7130 Office: +27 31 856 1344 Cell: 082 533 6321 <a href="mailto:prof@fcglobaltech.com">prof@fcglobaltech.com</a>
08 June 2007	Production of electricity from combustion of bagasse, Kwazulu –Natal	The project aims to install a new biomass residue fired power generation plant at a site where currently no power generation occurs	Cogeneration	90 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> <li>PDD at final stage of preparations</li> </ul>	African Biofuels Company (Pty) Ltd Ms Fergal Casey Office:031-569-3611 Fax:031-569-5535 Cell:084-403-9925 <a href="mailto:fergal@tricorp.co.za">fergal@tricorp.co.za</a>
08 June 2007	Production of Ethanol from Sugarcane, Kwazulu –Natal	The project aims to mitigate greenhouse gas emissions arising from the combustion of petrol used in transportation through the displacement of petrol with bio-ethanol produced from sugar cane	Bio-fuel Production	77 000	7	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	African Biofuels Company (Pty) Ltd Ms Fergal Casey Office:031-569-3611 Fax:031-569-5535 Cell:084-403-9925 <a href="mailto:fergal@tricorp.co.za">fergal@tricorp.co.za</a>
10 May 2007	Installation of Solar Heating Systems – Low-cost housing in Gauteng	The objective is to install solar water heating units in the low-income households in Kimberly, South Africa.	Energy Efficiency	2 000	7	<ul style="list-style-type: none"> <li>Project temporarily withdrawn by project developer</li> </ul>	Mr. Gavin Watson Tel: +27 12 665 3454 Cell: +27 82 474 4484 <a href="mailto:gavin.watson@eandco.net">gavin.watson@eandco.net</a>
25 May 2007	Compact Fluorescent	The objective is to reduce	Energy Efficiency	7 000	21	<ul style="list-style-type: none"> <li>Project Idea approved</li> </ul>	The PACE Centre

	Lighting (CFL) in Sol Plaatje Municipality	household expenditure on energy, alleviate demand on the critically over-loaded national energy grid and to reduce the emission of greenhouse gases associated with generating energy from the national grid.				<ul style="list-style-type: none"> <li>by DNA</li> <li>PDD at final stage of preparations</li> </ul>	Mr. James Clayton Office:031-569-3611 Work/Cell: 083 650 7181 <a href="mailto:pace@carbon.org.za">pace@carbon.org.za</a>
15 June 2007	Sasol Secunda Gas Turbine Combine Cycle Project	The objection is to generate electricity from natural gas or synthetic natural gas from Sasol Secunda plant.	Fuel Switch	1 600 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> <li>Project at final stage of preparations</li> </ul>	Sasol Synfuels Mr. Sidney Zeederberg Office:017 610 4141 Fax: 011 522 9982 Mobile: 082 904 1009 <a href="mailto:sydney.zeederberg@sasol.com">sydney.zeederberg@sasol.com</a>
19 September 2007	New Denmark Colliery Methane Destruction Project	The project proposes destruction of methane from New Denmark Colliery mine by flaring.	Methane Recovery and Flaring	27 000	20	<ul style="list-style-type: none"> <li>Project idea approved by DNA</li> </ul>	Anglo coal Mr. Johan Janse van Rensburg Office: 017 610 4141 Tel : 017 479 0000 <a href="mailto:jivrensburg@anglocoal.co.za">jivrensburg@anglocoal.co.za</a>
28 September 2007	100MW West Coast Wind Farm	The project proposes generation of Renewable Energy from wind	Renewable Energy		21	<ul style="list-style-type: none"> <li>Project Idea approved by DNA</li> </ul>	Eskom Holdings Ltd Ms Mandy Rambharos Tel: +27 11 800 6300 Cell: +27 83 234 1859 <a href="mailto:mandy.rambharos@eskom.co.za">mandy.rambharos@eskom.co.za</a>
29 November 2007	Sasol Secunda 2 <sup>nd</sup> stage Rectisol off-gas Methane Reduction project	The project proposes the reduction of methane by sending the off-gas to a gas turbine to generate electricity.	Methane Recovery and Flaring	1 600 000	10	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Sasol Synfuels Secunda Mnr. H.J van der Walt Tel: +27 11 344 0141 Cell: +27 83 630 0426 <a href="mailto:herman.vanderwalt@sasol.com">herman.vanderwalt@sasol.com</a>
30 November 2007	The Lion Phase 1 and Phase 2 Ferrochrome Smelter Surplus Furnace Gas Electricity Generation Project	The project proposes generating electricity using surplus furnace gas to displace a certain amount of fossil fuel used for electricity generation in South Africa.	Cogeneration	142 960	21	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	IST Holdings (Pty) Ltd trading as PowerTech IST Chris Nell Tel: +27 12 426 7517 Fax: +27 12 426 7320 <a href="mailto:chrism@ist.co.za">chrism@ist.co.za</a>

30 November 2007	The Boshhoek Ferrochrome Smelter Surplus Furnace Gas Electricity Generation Project	The project proposes generating electricity using surplus furnace gas to displace a certain amount of fossil fuel used for electricity generation in South Africa	Cogeneration	84 000	21	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	IST Holdings (Pty) Ltd trading as PowerTech IST Chris Nell Tel: +27 12 426 7517 Fax: +27 12 426 7320 <a href="mailto:chrism@ist.co.za">chrism@ist.co.za</a>
30 November 2007	The Lydenburg Ferrochrome Smelter Surplus Furnace Gas Electricity Generation Project	The project proposes generating electricity using surplus furnace gas to displace a certain amount of fossil fuel used for electricity generation in South Africa	Cogeneration	71 480	21	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	SC Van Sittert Tel: +27 14 590 6000 Cell: +27 82 808 9640 <a href="mailto:svsittert@xstrata.co.za">svsittert@xstrata.co.za</a>
14 December 2007	The use of slag as a partial raw material substitute in the clinker manufacturing process	The project propose the reduction of Carbon Dioxide emissions from the production of cement clinker through the use of non-carbonated materials as substitute raw materials and through fuel savings associated with the use of non-carbonated substitute raw materials.	Industrial Process	142 000	20	<ul style="list-style-type: none"> <li>Project idea approved by DNA</li> </ul>	Pretoria Portland Cement (Pty) Ltd Egmont Ottermann Tel: 011 386 9114 Cell: 082 650 7237 <a href="mailto:egmont.ottermann@ppc.co.za">egmont.ottermann@ppc.co.za</a>
24 January 2008	Assmang waste gas utilization at Machadodorp and Cato Ridge	The project proposes to utilise of the furnace off-gas from the ferrochrome and ferromanganese plants and generate electricity.	Cogeneration	200 000	21	<ul style="list-style-type: none"> <li>Project idea approved by DNA</li> </ul>	Joint venture between promethium carbon (Pty) Ltd and Exxaro coal (Pty) Ltd Robbie Louw Cell: 082 557 8646 <a href="mailto:robbie@promethium.co.za">robbie@promethium.co.za</a> Johan Posthumus Cell: 082 466 2452
07 February 2008	South Africa GeoPower (Pty) Ltd – SAGP_1	The project proposes to field 700Mwe of grid connected GeoThermal electricity generation within South Africa.	Renewable Energy	416 000	30	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Dr. George W. Oprisko Mr Pierre Botha Mr Johann Van Tonder Work: +264 (65) 251 – 153 Cell: +264 (81)354-5236
14 February 2008	Namakwa sands waste gas utilisation	The project propose utilisation of furnace off-gas from the Namakwa sands plant to generate electricity	Cogeneration	150 000	7-15	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Joint venture between promethium carbon (pty) Ltd and Exxaro coal (Pty) Ltd Robbie Louw Cell: 082 557 8646 <a href="mailto:robbie@promethium.co.za">robbie@promethium.co.za</a>

							Johan Posthumus Cell: 082 466 2452
15 February 2008	KZN sands furnace off gas utilization	The project propose utilisation of furnace off-gas from the ferrochrome plants and generate electricity	Cogeneration	380 000	21	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Joint venture between promethium carbon (pty) Ltd and Exxaro coal (pty) Ltd Robbie Louw Cell: 082 557 8646 <a href="mailto:robbie@promethium.co.za">robbie@promethium.co.za</a> Johan Posthumus Cell: 082 466 2452
15 February 2008	Generation of electricity from the Exxaro char plant off-gas and Exxaro coke furnace off-gas	The project propose utilisation of furnace off-gas from the Exxaro char plant and market coke plant to generate electricity	Cogeneration	140 000	21	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Joint venture between promethium carbon (pty) Ltd and Exxaro coal (pty) Ltd Robbie Louw Cell: 082 557 8646 <a href="mailto:robbie@promethium.co.za">robbie@promethium.co.za</a> Johan Posthumus Cell: 082 466 2452
15 February 2008	Samancor chrome furnace off-gas utilization at Witbank and Middelburg	The project propose utilisation of furnace off-gas from the KZN sands plant to generate electricity	Cogeneration	150 000	21	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Joint venture between promethium carbon (Pty) Ltd and Exxaro coal (Pty) Ltd Robbie Louw Cell: 082 557 8646 <a href="mailto:robbie@promethium.co.za">robbie@promethium.co.za</a> Johan Posthumus Cell: 082 466 2452
29 February 2008	Red Signal	The project propose to achieve National control, by means of advanced existing technology, over 5 Gigawatt of National energy demand	Energy Efficiency	20 000 000	5	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Ben Forrer / Kevin Hellon Tel: 021 880 0040 Fax: 021 880 0419 Cell: 076 549 6597 <a href="mailto:ben@quadafrica.co.za">ben@quadafrica.co.za</a>
08 April 2008	The Bulbul drive landfill gas electricity generation project	The project will involve the active extraction of landfill gas (approximately 1000m <sup>3</sup> /hr and comprising 40-60% methane) through the installation of the system of gas extraction wells, and associated pipe works, into the landfill side's waste body.	Waste Management	752 000	10	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr. Wiseman Khumalo (CEO, Carbon Reductions South Africa Tel: 031 566 5205 Cell: 083 512 8360 <a href="mailto:wkhumalo@carbon-red.com">wkhumalo@carbon-red.com</a>
17 April 2008	IFM Integrated Clean	The project proposes to utilize	Cogeneration	127 000	30	<ul style="list-style-type: none"> <li>Project idea approved</li> </ul>	Jacques Malan (Chief

	Energy Project	waste furnace offgas as a source of energy to generate Clean Electricity and contribute to lower greenhouse gas emissions by replacing fossil fuel based power from the national grid.				by the DNA	Technology Officer) AAP Carbon Limited Cell: 082 568 6295 Fax: 086 515 0979 <a href="mailto:jacquesmalan@aapcarbon.com">jacquesmalan@aapcarbon.com</a>
21 April 2008	ArcelorMittal steel SA, variable speed drive energy management system	The project proposes to reduce energy consumption at the hot strip mill at ArcelorMittal Saldanha steel.	Energy Efficiency	16 500	10	<ul style="list-style-type: none"> <li>Project idea in review process by the DNA</li> </ul>	Mr Nico Smith Tel: 016 889 3382 Cell: 083 304 0052 <a href="mailto:nico.smith@mittal.com">nico.smith@mittal.com</a>
21 April 2008	Arcelor Mittal steel SA,waste pressure recovery project	The project objective is to capture pressure which is currently destroyed or reduced across a pressure control valve at blast furnaces.	Cogeneration	94 000	10	<ul style="list-style-type: none"> <li>Project idea in review process by the DNA</li> </ul>	Mr Nico Smith Tel: 016 889 3382 Cell: 083 304 0052 <a href="mailto:nico.smith@mittal.com">nico.smith@mittal.com</a>
24 April 2008	Green Waste to Energy Project	The objective of the project is to substitute conventional fossil fuel derived energy source such as coal to generate steam	Cogeneration	25 600	10	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Chris Meyer Tel: 011 792 9330 Cell: 083 235 2910
25 April 2008	Green Energy Plant (Biomass from wood waste and forest residue)	The project entails the installation of a dedicated biomass fuelled green power facility using high pressure superheated steam and a turbine driven generator to generate 6 Mwe.	Cogeneration	258 379		<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr Michael Guilfoyle Tel: 021 418 1520 Cell: 083 272 3226 <a href="mailto:nico.smith@mittal.com">nico.smith@mittal.com</a>
27 May 2008	PFG Glass (Pty) Ltd	The project objective is to retro-fit the SP3 glass manufacture assembly line at PFG's spring's plant in order to facilitate a complete fuel switch from Heavy Fuel Oil/ natural gas mixture to natural gas.	Fuel Switch	150 000	10	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr Bob Allan Tel: 011 360 1118 Cell: 082 808 1420 Fax: 011 360 1326 e-mail: <a href="mailto:ballan@pfg.co.za">ballan@pfg.co.za</a>
30 May 2008	CDM Solar Cooker Project Sinthumele, South Africa	The project idea is to use solar energy for cooking.	Renewable Energy	50 500	14	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Falko Doerman Tel: +49 (0) 163 2531879 <a href="mailto:falko@africancarbonsolution.com">falko@africancarbonsolution.com</a>
03 June 2008	Reduction of CO <sub>2</sub> -e emissions from combustion through partial substitution of	The project aims to reduce CO <sub>2</sub> emissions from the production of cement clinker through the partial substitution of fossil fuels with	Biomass	25 000	10	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Pretoria Portland Cement (Pty) Ltd Egmont Ottermann Tel: 011 386 9114

	fossil fuels with alternative fuels or less carbon intensive fuels in cement manufacture	alternative fuels or less carbon intensive fuels in cement manufacture					Cell: 082 650 7237 <a href="mailto:egmont.ottermann@ppc.co.za">egmont.ottermann@ppc.co.za</a>
18 June 08	NEEA retrofitting of incandescent bulb with high performance LED bulbs	The project proposes to displace CO <sub>2</sub> emissions from grid supplied by thermal power using a demand side retrofit energy efficiency technology.	Energy Efficiency	16 095.93	10	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	FireFly Carbon Mr Arshad Bhat Tel: +044-(0)1507-354953 Cell:+44-(0)79805237 <a href="mailto:ab@fireflycarbon.com">ab@fireflycarbon.com</a>
19 June 08	Industrial Bio Coal Project	The project proposes to convert organic waste into Bio Coal which will be used as; a direct replacement for A Grade Steam Coal industry and public institutions	Waste Management	212 100	7 (Renewable)	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Avinash Sadra Tel: 043 781 1987 Cell: 079 475 2345 Fax: 043 781 1987 <a href="mailto:agrotechnologies@yahoo.co.in">agrotechnologies@yahoo.co.in</a>
08 July 08	Rea-Vaya Bus Rapid Transit (BRT) project.	The project proposes to establish a sustainable mass urban transport system that is efficient, safe, rapid, convenient, and comfortable and effective based on a Bus Rapid Transit (BRT) system to ensure high ridership levels.	Transport	370 148	21	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mrs Linda Phalatse Tel: 011 407 6255 Cell: 083 944 0998 Fax; 011 403 4142 <a href="mailto:lindap@joburg.org.za">lindap@joburg.org.za</a>
08 July 08	Cosmo City Solar Water Heater Project, Johannesburg	The project proposes to install high efficiency solar water heaters at the low-income households in Cosmo City to reduce related greenhouse gas emissions fossil fuel use and electricity consumption per household.	Renewable Energy	58 641	21	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mrs Linda Phalatse Tel: 011 407 6255 Cell: 083 944 0998 Fax; 011 403 4142 <a href="mailto:lindap@joburg.org.za">lindap@joburg.org.za</a>
14 August 08	TSB Sugar RSA Komati Mill Cogeneration Project	The project objective is to use baggasse to generate electricity for export from TSB Sugar mill in the Komatipoort area.	Biomass	50 329	10	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr. Jan Coetsee Tel: 013 791 1003 Cell: 082 568 1584 Fax: 086 619 7989 <a href="mailto:coetseej@tsb.co.za">coetseej@tsb.co.za</a>
21 August 08	St Albans Prison Methane Capturing and Electricity Generation Project	The project objective is to avoid wastewater gas emission by flaring and as a result generating steam	Waste Management	59	7	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr Peter Neilson Tel:041 506 5555 Cell:079 886 8555 Fax:041 392 4262 <a href="mailto:hjunius@mandelametro.gov.za">hjunius@mandelametro.gov.za</a>

		and electricity from a renewable fuel source at a domestic waste water treatment plant at St Albans Prison						
27 August 08	Thos Begbie Project	The purpose of the project is to generate 21,408MW of electrical power using Sasol's pipeline gas as fuel to replace a similar quantity of power that would otherwise have been imported from the national grid or generated using coal as the fuel.	Fuel switch	173 356		Crediting period for this project is yet to be confirmed.	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr Gert Van Zyl Tel:011 205 9400 Fax:011 205 9440 Email: <a href="mailto:gert@taprojects.co.za">gert@taprojects.co.za</a>
09 September 08	The Buffalo City Landfill Gas to Electricity Clean Development Mechanism project	The objective of the project is to extract the biogas produced by three Buffalo City Municipality owned landfill sites and use it to generate electricity.	Methane Recovery and Flaring	140 000	10		<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr Lindsay Strachan Tel :031 566 5205 Cell:079 882 3940 Email: <a href="mailto:lstrachan@carbon-red.com">lstrachan@carbon-red.com</a>
11 September 08	The Absa Towers West Energy Centre project	The objective of the project is to build an energy centre equipped with 17,3 MW gas fired CHP generators to generate electricity and heat for the ABSA campus.	Fuel Switch	12 000	10		<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr Ken Gafnet Tel:011 608 5000 Fax:011 608 3333 Email: <a href="mailto:keng@taemane.co.za">keng@taemane.co.za</a>
30 September 08	Trade plus aid commercial and domestic biogas programme	The objective of the project is to utilize biogas produced by livestock waste in commercial dairy and pig farms in KwaZulu Natal province, Limpopo province, Gauteng province and the Eastern Cape province in South Africa to replace the need for grid based power imported for the farms.	Waste Management	176 000	7		<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr Matthew Hayden Tel:+27(0) 82 223 6260 Cell:+27(0)82 223 6260 Fax:+27(0)11 483 0074 Email: <a href="mailto:matthew@tradeplusafrica.co.za">matthew@tradeplusafrica.co.za</a>
21 October 08	TATA Steel KZN Integrated Clean Energy Project	The project objective is to utilise waste furnace offgas as a source of energy to generate clean electricity and contribute to lower greenhouse gas emissions by replacing fossil fuel based power from the national grid.	Cogeneration	96 000	10		<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr Jacques Malan Tel:011 684 2797 Cell:082 568 6295 Email: <a href="mailto:jacquesmalan@aapcarbon.com">jacquesmalan@aapcarbon.com</a>
31 October 08	Highland Exploration and Production(Pty) Ltd Mine Methane utilization for	The objective of the project is to capture fugitive methane to generate electricity to substitute	Methane Recovery and Flaring	180 000	21		<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr Peter D Price Tel:011 616 7219 Cell:083 628 9190

	Power Generation Project	coal fired generating capacity.					Fax:011 616 7219 Email: <a href="mailto:pdpcon@icon.co.za">pdpcon@icon.co.za</a>
05 November 08	Retrofit Kinetic Energy Recovery System	The objective of the project is to save fuel and emissions in transportation fleets, particularly in mini-bus taxi, and primarily as a retrofit to existing vehicles thereby extending their useful life and avoiding the carbon associated with the manufacture of new vehicles.	Transport	402 000	7	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr Dudley Baylis Tel:011 608 2141 Cell:083 308 8175 Fax:011 608 2142 Email: <a href="mailto:dbaylis@coolearth.co.za">dbaylis@coolearth.co.za</a>
21 November 08	Calgro M3 Green Project	The project involves construction of insulated ceiling and the installation of solar water heaters and energy efficient lighting as part of the integrated urban housing energy project.	Renewable Energy	40 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr Peter Muriuki Waweru Tel:0861225476 Cel:0832869831 Fax:0861444477 Email: <a href="mailto:peter@calgrom3.com">peter@calgrom3.com</a>
24 November 2008	Pelletizing and Sintering Plant 3 (PSP3)	The project aim to increase efficiency in Ferrochrome (FeCr) production process through the preparation of chromite ore with the use of Pelletizing and Sintering technology.	Energy Efficiency	50 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Heather Booysen Tel:0132494407 Cell:0824173889 Fax:0132494678 Email: <a href="mailto:heather.booyesen@samancorcr.com">heather.booyesen@samancorcr.com</a>
10 December 2008	Kloof #3 Ice Chiller Project	The project involves the introduction of ice- chiller system where ice would be the prime carrier of chill energy as opposed to water.	Energy Efficiency	60 441	21	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Jan Du Plessis Tel:0116642484 Fax:0114840629 Email: <a href="mailto:jan.duplessis@goldfields.co.za">jan.duplessis@goldfields.co.za</a>
12 December 2008	BioTherm Adcock Ingram Fuel Switching Project	The project objective is to do combined heat and power natural gas as fuel source and in the process displace grid electricity and coal derived steam.	Fuel Switch	23 480	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr Johan Van Den Berg Tel:0113006156 Cell:0829255680 Fax:0113611301 Email: <a href="mailto:johanvdb@cdmafrica.com">johanvdb@cdmafrica.com</a>
12 January 2009	Dissemination of Institutional Fuel Efficient Biomass Stoves in South Africa	The projects aims to reduce greenhouse gas emissions, curb deforestation and improve air quality through the manufacture and dissemination of institutional fuel efficient biomass stoves to	Renewable Energy	3 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr McWilliam Mabaso Cell:0793813977 Cell:0726719199 Email: <a href="mailto:mchipeta@gmail.com">mchipeta@gmail.com</a>

		schools and other institutions throughout South Africa					
03 February 2009	Nelson Mandela Bay Metropolitan's Landfill Gas Project	The objective of the objective is to extract, collect and utilize landfill gas from two landfill sites in Nelson Mandela Bay Metropolitan. The gas is expected to generate electricity finally.	Waste Management	90 000	10	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr. Kumesh Naidoo Tel: 011 280 0337 Cell: 082 563 1363 Fax: 011 280 0582 e-mail: <a href="mailto:kumeshn@cef.org.za">kumeshn@cef.org.za</a>
13 February 2009	Umoya Energy	The objective of the project is to establish a new wind energy facility on the farms Koperfontein 346/25, Kerschbosch dam 347/0 and Coeratenberg 307/3 near Hopefield in Western Cape.	Renewable Energy	250 000	21	<ul style="list-style-type: none"> <li>Project idea approved by the DNA</li> </ul>	Mr Douglas Jenman Tel:021 670 1242 Cell:082 415 2515 Fax:021 670 1220 <a href="mailto:Macquar.jenman@macquarie.com">Email:Macquar.jenman@macquarie.com</a>
20 February 2009	Nelson Mandela Bay Municipality Solar Water Heating Project	The objective of the project is to provide hot water supplied from solar heating systems (SWH's) to customers in the Metropolitan area around Port Elizabeth.	Renewable Energy	280 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Dr Manny Singh Tel:011 280 0342 011 880 9803 Cel:079 183 6049 Fax: 011 280 0552 <a href="mailto:manny@cef.org.za">Email:manny@cef.org.za</a>
24 February 2009	Nelson Mandela Bay Metropolitan Street Lighting Efficiency Project.	The project aims to upgrade street lighting in Nelson Mandela Bay Metropolitan by replacing low efficient luminaries with more efficient luminaries.	Energy Efficiency	15 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr Raoul Goosen Tel:011 280 0334 Fax:011 880 9803 <a href="mailto:raoul@cef.org.za">Email:raoul@cef.org.za</a>
24 February 2009	Energy Management at Nelson Mandela Bay Metropolitan's Waste Water Treatment facilities Project.	The project aims at demand side management (DSM) to reduce electricity consumption at six waste water treatment facilities (WWTFs) in Nelson Mandela Bay Metropolitan (NMBM)	Waste Management	9 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Dr Manny Singh Tel:011 280 0342 011 880 9803 Cel:079 183 6049 Fax: 011 280 0552 <a href="mailto:manny@cef.org.za">Email:manny@cef.org.za</a>
02 April 2009	Ethanol-to-Ethylene: Substation of fossil derived ethylene with bio-ethanol feedstock at Safripol HDPE plant	To reduce greenhouse gas emission by substituting fossil (coal-liquids) derived ethylene feedstock used for high density polyethylene (HDPE) production with renewable biomass derived feedstock.	Fuel Switch	1 000 000	14	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Geoff Gaywood Tel:011 575 0932 Cel:076 619 2366 Fax:011 576 0932 Email:geoff_gaywood@safripol.co
02 April 2009	Fuel switch, from coal to biomass at Brick & Clay	The will implement a fuel switch from coal to biomass in the existing brick-firing kilns and chain	Fuel Switch	18 474	7 (renewable twice)	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Avinash Sarda Tel: 043 781 1987 Fax: 086 532 4124

	(Pty) Ltd, South Africa	grate stocker at Brick & Clay (Pty) Ltd.					Email: <a href="mailto:argo_technologies@yahoo.co.in">argo_technologies@yahoo.co.in</a>
02 April 2009	Fuel switch, from coal to biomass at Blueberry Hills Ltd, South Africa	This project will switch from coal to biomass fuel (bio coal) in the existing boilers at Blueberry Hills Farms.	Fuel Switch	8 819	7 (renewable twice)	• Project Idea approved by the DNA	Mr. Avinash Sarda Tel: 043 781 1987 Fax: 086 532 4124 Email: <a href="mailto:argo_technologies@yahoo.co.in">argo_technologies@yahoo.co.in</a>
02 April 2009	Fuel switch, from coal to biomass at Summerpride foods, South Africa	The project activity is a fuel switch from coal to bio mass in this existing boiler at Summerpride Foods.	Fuel Switch	26 093	7 (renewable twice)	• Project Idea approved by the DNA	Mr. Avinash Sarda Tel: 043 781 1987 Fax: 086 532 4124 Email: <a href="mailto:argo_technologies@yahoo.co.in">argo_technologies@yahoo.co.in</a>
02 April 2009	Fuel switch coal to biomass at East London Abattoir, South Africa	The project activity is a fuel switch from coal to bio mass in this existing boiler at East London Abattoir, South Africa	Fuel Switch	18 474	7 (renewable twice)	• Project Idea approved by the DNA	Mr. Avinash Sarda Tel: 043 781 1987 Fax: 086 532 4124 Email: <a href="mailto:argo_technologies@yahoo.co.in">argo_technologies@yahoo.co.in</a>
07 April 2009	Nelson Mandela Bay Municipality Wind Power Project	The project will aim to produce 60 MW of electricity for the NMBM, and will be sold from the project developer to the Municipality on a yearly basis. This will replace the conventional manner of relying on coal to produce electricity	Renewable Energy	5, 679 538	10	• Project Idea approved by the DNA	Mr. Kumes Naidoo Tel: +27 10 201 4732 Fax: 27 10 201 4883 <a href="mailto:kumesn@cefgroup.co.za">kumesn@cefgroup.co.za</a>
08 April 2009	Khwe Khoa Langfontein Wind Energy Project	The project objective is to erect a 120 MW wind farm in the Western Cape about ten kilometres Northeast of Yzerfontein	Renewable Energy	56, 795.38	10	• Project Idea approved by the DNA	Mr. Johan Van Den Berg 011 361 1550 082 925 5680 <a href="mailto:johanvdb@cdmafrica.com">johanvdb@cdmafrica.com</a>
17 April 2009	Kerrifontein Wind Farm Project	The project proposes to demonstrate the technical viability and improve the financial feasibility of wind energy in South Africa.	Renewable Energy	223, 000	10	• Project Idea approved by the DNA	Herrmann Oelsner +27 224 923 95 083 261 5301 <a href="mailto:oelsnergrp@waccess.co.za">oelsnergrp@waccess.co.za</a>
18 May 2009	National CDM facilities	The project aims to create a CDM	Waste		7	• Project Idea in a review	Thierry Alban Revert

	PPP between Second Economy and Public Sector	project design, formulation, facilitation engineering and management capacity for the "second economy" and the Public Sector, integrated and seamless process along the 5 tier CDM stations from local to international.	Management			process by the DNA	Tel: 073 303 1554 Fax:0027118877833 <a href="mailto:tar@planetac.co.za">tar@planetac.co.za</a>  Lawrence Gadzikwa Tel: 072 294 0663 Fax:0027118877833 <a href="mailto:lgadzikwa@hotmail.com">lgadzikwa@hotmail.com</a>
22 May 2009	Mitigation of Methane Emissions in the Charcoal Production of Silicon Smelters in South Africa	The project aims to reduce methane emissions from the charcoal production by burning off-gases of the process	Industrial Process	30, 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Benoist Ollivier Tel: +27 15 290 3136 +27 82 809 2704 <a href="mailto:benoist.ollivier@invensil.co.za">benoist.ollivier@invensil.co.za</a>  Alex Kuhl Tel: +27 15 290 3134 <a href="mailto:alex.kuhl@invensil.co.za">alex.kuhl@invensil.co.za</a>
22 May 2009	Rand Carbide FerroSilicon Energy Efficiency and Reductant Substitution Project	The project intends to introduce 'renewable' reductants sources and to promote energy efficiency measures, which will reduce GHG emissions	Industrial Process	184, 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Benoist Ollivier Tel: +27 15 290 3136 +27 82 809 2704 <a href="mailto:benoist.ollivier@invensil.co.za">benoist.ollivier@invensil.co.za</a>  André Nel Tel: +27 13 690 8245 +33 61 674 8216 <a href="mailto:andren@randcarbide.co.za">andren@randcarbide.co.za</a>
28 May 2009	Nelson Mandela Bay Metropolitan (NMBM) Hydro Power Project	The objective of the project is to produce clean electricity through hydropower at the Nelson Mandela Bay Metropolitan (NMBM)	Renewable Energy	109, 158	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Tebogo Snyer Tel: +27 10 201 4779 +27 73 872 9148 <a href="mailto:Tebogo@cefgroup.co.za">Tebogo@cefgroup.co.za</a>
29 May 2009	Bellville Landfill Gas Project	The objective of the project is to extract, collect, and destroy landfill gas from several landfill sites in the City of Cape Town Municipality and finally utilize it for electricity generation	Waste Management	193, 595	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Kumesh Naidoo Tel: +27 10 210 4732 +27 82 563 1363 Fax:+27 11 280 0582 <a href="mailto:kumeshn@cefgroup.co.za">kumeshn@cefgroup.co.za</a>
29 May 2009	Coastal Park Landfill Gas	The objective of the project is to	Waste	153, 164	10	<ul style="list-style-type: none"> <li>Project Idea approved</li> </ul>	Mr. Kumesh Naidoo

	Project	extract, collect, and destroy landfill gas from several landfill sites in the City of Cape Town Municipality and finally utilize it for electricity generation	Management			by the DNA	Tel: +27 10 210 4732 +27 82 563 1363 Fax:+27 11 280 0582 <a href="mailto:kumeshn@cefgroup.co.za">kumeshn@cefgroup.co.za</a>
29 May 2009	Vissershok Landfill Gas Project	The objective of the project is to extract, collect, and destroy landfill gas from several landfill sites in the City of Cape Town Municipality and finally utilize it for electricity generation	Waste Management	285, 530	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Kumesh Naidoo Tel: +27 10 210 4732 +27 82 563 1363 Fax:+27 11 280 0582 <a href="mailto:kumeshn@cefgroup.co.za">kumeshn@cefgroup.co.za</a>
29 May 2009	Faure and Swartklip Landfill Gas Project	The objective of the project is to extract, collect, and destroy landfill gas from several landfill sites in the City of Cape Town Municipality and finally utilize it for electricity generation	Waste Management	80, 573	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Kumesh Naidoo Tel: +27 10 210 4732 +27 82 563 1363 Fax:+27 11 280 0582 <a href="mailto:kumeshn@cefgroup.co.za">kumeshn@cefgroup.co.za</a>
18 June 2009	Boitshepi Landfill Gas Project	The objective of the project is to extract, collect, destroy and utilize landfill gas from Boitshepi landfill site in the Emfuleni Municipality. The gas is used to generate electricity	Waste Management	56, 274	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Kumesh Naidoo Tel: +27 10 201 4700 +27 82 563 1363 Fax:+27 10 201 4820 <a href="mailto:kumeshn@cefgroup.co.za">kumeshn@cefgroup.co.za</a>
18 June 2009	Waldrift Landfill Gas Project	The objective of the project is to extract, collect, destroy and utilize landfill gas from Waldrift landfill site in the Emfuleni Municipality. The gas is used to generate electricity	Waste Management	5, 752	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Kumesh Naidoo Tel: +27 10 201 4700 +27 82 563 1363 Fax:+27 10 201 4820 <a href="mailto:kumeshn@cefgroup.co.za">kumeshn@cefgroup.co.za</a>
09 July 2009	Installation of water efficient showerheads or Low Flow Shower Heads (LFSH) and Flow Regulators (FR) to reduce emissions	The objective of the project is to install water efficient showerheads and flow regulators to decrease electricity consumption of South African households so that certified emission reduction units (CERs) can be created and traded	Energy Efficiency	7, 302 977	7 (renewable 4 times)	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Green Alliance Pty Ltd Mr. John Major Tel: +61 2 8841 7780 +61 415 20 4020 Fax:+61 2 8841 7700 <a href="mailto:john.major@ani.net.au">john.major@ani.net.au</a>
14 July 2009	Ga-Rankuwa and Soshanguve Landfill Gas to Energy Project	The objective of the project is to extract, collect and utilize landfill gas from Ga-Rankuwa and Soshanguve landfill sites in	Waste Management	77, 073.05	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	CEF (Pty) Ltd Mr. Kumesh Naidoo Tel:+27 11 280 0337 Fax:+27 11 280 0582

		Tshwane. The gas is expected to generate electricity finally.					<a href="mailto:kumeshn@cef.org.za">kumeshn@cef.org.za</a>
14 July 2009	Hatherley and Kwaggasrand Landfill Gas to Energy Project	The objective of the project is to extract, collect and utilize gas from Hatherley and Kwaggasrand landfill sites in Tshwane. The gas is expected to generate electricity finally.	Waste Management	79, 299.97	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	CEF (Pty) Ltd Mr. Kumesh Naidoo Tel:+27 11 280 0337 Fax:+27 11 280 0582 <a href="mailto:kumeshn@cef.org.za">kumeshn@cef.org.za</a>
14 July 2009	Gartskloof and Onderstepoort Landfill Gas to Energy Project	The objective of the project is to extract, collect and utilize landfill gas from Gartskloof and Onderstepoort landfill sites in Tshwane. The gas is expected to generate electricity finally.	Waste Management	85, 133.61	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	CEF (Pty) Ltd Mr. Kumesh Naidoo Tel:+27 11 280 0337 Fax:+27 11 280 0582 <a href="mailto:kumeshn@cef.org.za">kumeshn@cef.org.za</a>
20 July 2009	South Africa Solar Water Heating Project	The proposed project is a CDM Programme of Activities (PoA). The objective of the project is to reduce Carbon Dioxide (CO2) emissions in South Africa through avoidance of electricity generated for the purpose of heating water for individual use.	Renewable Energy	60, 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Duncan Abel Unlimited Energy Resources <a href="mailto:duncan@unlimitedenergy.co.za">duncan@unlimitedenergy.co.za</a>
22 September 2009	Energy Efficiency in Low Cost Housing Developments Project	The objective of the programme is to facilitate the implementation of interventions to improve thermal performance and water heating efficiencies in subsidised housing developments, both new and existing developments.	Energy Efficiency	800, 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Carl Wesselink Carbon Programmes (Pty) Ltd <a href="mailto:carlw@iafrica.com">carlw@iafrica.com</a>
28 September 2009	Cape Town Integrated Bus Rapid Transport System Project,	The objective of the proposed project is to achieve transport efficiency and consume less fuel through the creation of Bus Rapid Transport System for the city of Cape Town, replacing the old inefficient bus and minibus system	Transport	1,4 00 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Niki Covary City of Cape Town Tel: 021 400 4717 Fax: 086 544 4445 <a href="mailto:Niki.covary@capetown.gov.za">Niki.covary@capetown.gov.za</a>
18 December 2009	BioTherm PFG Waste Heat Recovery Project	The object of the proposed project activity is to harness waste heat to generate steam. By doing this emission reductions are achieved due to offsetting coal combustion	Waste Management	73, 800	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Johan van den Berg BioTherm Energy (Pty) Ltd Tel: 011 367 4600 082 925 5680 Fax: 011 367 4601

		historically used as fuel source for the steam					<a href="mailto:Jvandenber@biothermenergy.com">Jvandenber@biothermenergy.com</a>
18 January 2010	Low Pressure Solar Water Heating Pilot Project for Low-Cost Housing (NMBM)	The objective of the project is to provide low pressure solar water heaters (SWHs) to the low-cost households to meet their "suppressed demand" of daily hot water. The project will supply the clean solar energy to customers to replace hot water supply systems which currently rely on fossil fuel and electricity. The project will reduce CO <sub>2</sub> emissions from the substitution of fossil fuel and electricity consumed for water heating	Renewable Energy	3, 241	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Steyn van der Merwer Nelson Mandela Bay Municipality <a href="tel:+270143924245">Tel:+27 (0) 14 392 4245</a> <a href="tel:+2701413924262">Fax:+27 (0) 41 392 4262</a> <a href="mailto:stvdmerwe@mandelametro.gov.za">stvdmerwe@mandelametro.gov.za</a>
18 January 2010	Nelson Mandela Bay Metropolitan CFL Project	The objective of the project is to replace all normal frequently used incandescent lamps within households to CFLs. The project will target frequently used incandescent lamps in the residential sector for conversion to CFL's.	Energy Efficiency	14, 147	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Nonhlanhla Ngwenya CEF (Pty) Ltd <a href="tel:+27102018112">Tel (W):+27 10 201 8112</a> Celll +27 82 678 5303 <a href="tel:+27102018212">Fax :+27 10 201 8212</a> <a href="mailto:nonhlanhlan@cefgroup.co.za">nonhlanhlan@cefgroup.co.za</a>
February 2010	A programme to implement the installation of energy efficient cooking technologies in households, institutions and small businesses in South Africa	The objective of the programme is to support the large scale commercialization of energy efficiency in South Africa, by promoting the sustainable use of biomass for cooking and space heating in rural and per-urban areas, reducing consumption of non-renewable biomass in particular. Additional the programme will support the large-scale dissemination of safer and more efficient paraffin burning appliances	Energy Efficiency	60 000	28	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Zane Abdul Basic Energy and Climate Change Adaptation Programme (BECCAP) <a href="tel:+27113396633">Tel:+27 11 339 6633</a> <a href="mailto:Zane.abdul@qtz.de">Zane.abdul@qtz.de</a>  Geoff Stiles <a href="tel:+2673951863">Tel (W): +267 395 1863, ext 1194</a> <a href="tel:+26772114173">Cell: +267 72114 173</a> <a href="mailto:Geoff.stiles@qtz.de">Geoff.stiles@qtz.de</a>

5 February 2010	Ekurhuleni Municipality Solar Water Heating Program	The objective of the project is to provide hot water supplied from solar heating systems (SWH's) to customers in the Metropolitan area around Ekurhuleni to replace hot water supply systems which currently rely on coal-fired electricity conversion- predominantly using electrical storage water heaters.	Renewable Energy	375, 233	15	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Dr. Manny Singh Tel (W): +27 (0) 10 201 4744 Cell: +27 (0) 82 928 7665 <a href="mailto:mannys@cef.org.za">mannys@cef.org.za</a>
15 March 2010	Virtual Power Supply (VPS)	The objective of the project is to provide sustainable environmentally friendly solutions to mainstream industrial companies, using high heat processes; this will result in improved efficiency, reduced fossil fuel usage and a calculated reduction in carbon emissions	Energy Efficiency	1.8, 000 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Jourie Lombard Tony Edwards Mexel Energy (Pty) Ltd Tel (W):+2712 743 5999 Cell :+2783 284 6312 Fax :+2786 684 145 <a href="mailto:info@mexelenergy.com">info@mexelenergy.com</a>
16 March 2010	Massive introduction of LEDs to rural communities	The objective of the project is to stop the use of kerosene in rural areas by implementing solar lights in order to cut down greenhouse gases	Renewable Energy	104, 300	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Steve Ireton CARE-Clean Air Rehabilitation Effort Ltd Tel (W):+2783 448 3448 Cell :+2783 448 3448 Fax :+2786 505 5988 <a href="mailto:steve@justcare.co.za">steve@justcare.co.za</a>
16 March 2010	Installation of Energy Efficient Cookers in rural areas	The objective of the project is to provide rural communities with energy efficient stoves to avoid the use of burning of wood to cut down greenhouse gas emissions	Energy Efficiency	2,720, 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Steve Ireton CARE-Clean Air Rehabilitation Effort Ltd Tel (W):+2783 448 3448 Cell :+2783 448 3448 Fax :+2786 505 5988 <a href="mailto:steve@justcare.co.za">steve@justcare.co.za</a>
17 March 2010	Darling Wind Farm Phase 2	The objective of the project is to commission a 7.8 MW wind farm to feed clean electricity to the grid and thus help in the reduction of	Renewable Energy	23 760	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Herman Oelsner Oelsner Group (Pty) Ltd P O Box 13 Darling

		greenhouse gases					7345 Western Cape (RSA) Tel (W): +27 224 9230 95 Cell : 083 261 5301 Fax : +27 224 9230 96 <a href="mailto:oelsnergrp@waccess.co.za">oelsnergrp@waccess.co.za</a>
09 April 2010	Replacement of incandescent light bulbs with Compact Fluorescent Lights in South Africa	The objective of the project is to supply energy efficient compact fluorescent lights (CFLs) to the residential sector in South Africa to replace existing incandescent light bulbs (IB). More efficient use of lighting energy would limit the rate of increase of electric power consumption in South Africa, reduce the economic and social costs resulting from constructing new generating capacity, and reduce the emissions of greenhouse gases and other pollutants	Energy Efficiency	490.000	7	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Ciska Terblanche CDM Africa Climate Solutions 407 Juliana, Princess Place, Parktown, Johannesburg, 2193  Tel (W): +2782 898 5750 Cell : +27 82 898 5750 <a href="mailto:Ciska@cdmafrica.com">Ciska@cdmafrica.com</a>
14 April 2010	Distribution of Portable Solar Water Heater for Safe Drinking Purposes	The objective of the project is to provide rural communities with portable solar water heaters for safe drinking; hygiene; cooking and washing purposes. The project will avoid the use of burning wood to cut down the greenhouse gas emissions.	Renewable Energy	1,720,000	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Steve Ireton Clean Air Rehabilitation Effort Ltd P O Box 1403 Witkoppen 2068 Tel (W): +27 83 448 3448 Cell : + 27 83 448 3448 Fax : +27 86 505 5988 <a href="mailto:steve@justcare.co.za">steve@justcare.co.za</a>
20 April 2010	Low Pressure Solar Water Heating Program	The aim of this project is to provide hot water supplied from solar water heating systems to customers in the metropolitan area around NMBM and EMM to replace hot water supply systems which currently rely on coal-fired	Renewable Energy	244,876.5	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Chris Nelson Solar Academy of Sub Saharan afrc (Pty) Ltd Tel: +2786 111 1203 <a href="mailto:chrisn@rtc.co.za">chrisn@rtc.co.za</a>

		electricity conversion – predominantly using electrical storage water heaters (geysers)					
20 April 2010	The Kerrifontein/ Darling Phase 2 Wind Farm Project	The aim of this project is to commission a 20.8 MW wind farm to feed clean electricity to the grid and thus help reducing greenhouse gases	Renewable Energy	633, 600	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Herman Oelsner Oelsner Group (Pty) Ltd Tel: +27224 92 30 95 Cell: 083 261 5301 Fax: +27224 92 30 96 <a href="mailto:oelsnergrp@waccess.co.za">oelsnergrp@waccess.co.za</a>
13 May 2010	The eThekwiwini Mini-Hydro's Electricity Generation Project	The objective of the project is to generate hydro electrical power using mini (100kW to 1 MW) or micro (<100kW), in pipe turbines from excess pressure head that is presently dissipated by pressure relief valves at 12 to 18 selected points in the eThekwiwini Municipality's bulk water supply pipeline and reservoir network.	Renewable Energy	12 000	14 years plus 7 years possible renewal	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Dr. Debra Roberts The eThekwiwini Municipality Tel: +27 31 311 7527 Cell: +27 71 850 7234 Fax: +27 31 311 7134 <a href="mailto:robertsd@durban.gov.za">robertsd@durban.gov.za</a>
13 May 2010	The eThekwiwini Western Aqueduct Hydro Electricity Generation Project	The objective of the project is to generate hydro electric power from excess pressure head that is required to be dissipated at two points on the Western Aqueduct bulk water supply pipeline	Renewable Energy	34 407	14 years plus 7 years possible renewal	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Dr. Debra Roberts The eThekwiwini Municipality Tel: +27 31 311 7527 Cell: +27 71 850 7234 Fax: +27 31 311 7134 <a href="mailto:robertsd@durban.gov.za">robertsd@durban.gov.za</a>
13 May 2010	The eThekwiwini Southern WWTW (Waste Water Treatment Works) AD (Anaerobic Digestion) Biogas to Energy Project	The key objectives of the project are to treat sewage sludge which is currently disposed to sea-outfall in the southern region of Durban; produce sufficient energy in the form of methane-rich biogas which is to be converted to electrical power and offer a nutrient return to the environment by way of management, treatment, storage and utilisation of the nutrient-rich digestate from the anaerobic processes	Methane Recovery & Flaring	97 038	14 years plus 7 years possible renewal	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Dr. Debra Roberts The eThekwiwini Municipality Tel: +27 31 311 7527 Cell: +27 71 850 7234 Fax: +27 31 311 7134 <a href="mailto:robertsd@durban.gov.za">robertsd@durban.gov.za</a>

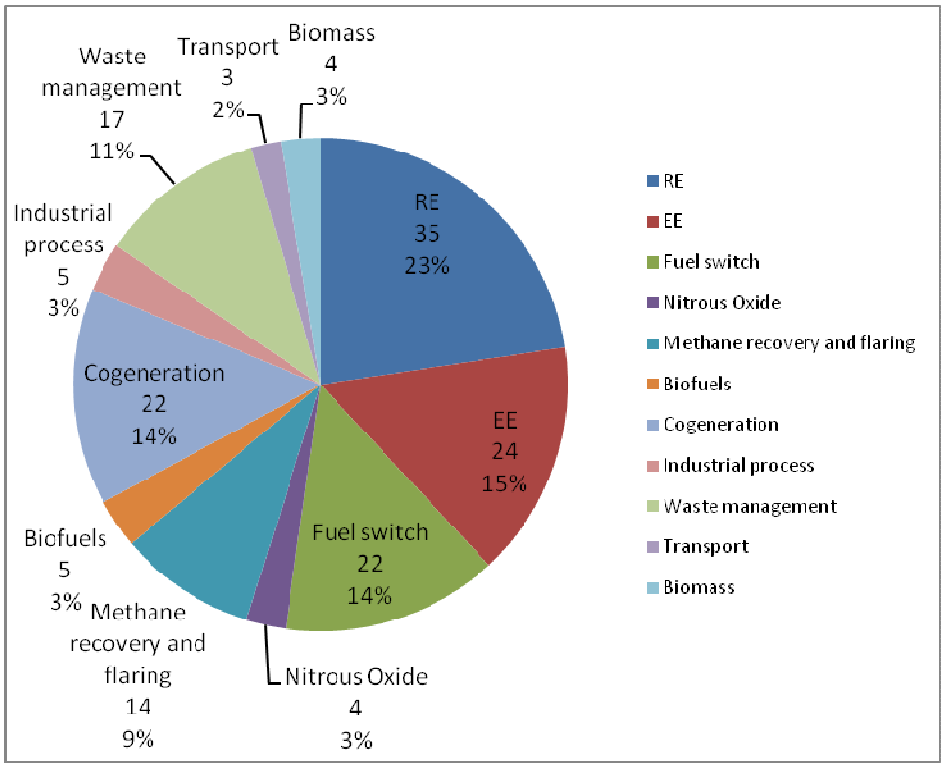
13 May 2010	The Mariannahill Mechanical Biological Waste Treatment (MBT) to Energy Project	The objective of the project is to reduce waste disposal volumes to landfill by treatment of organic wastes and to release value from waste reuse in order to offer job creation and energy generation by way of a Mechanical Biological Waste Treatment process.	Methane Recovery & Flaring	24, 872	14 years plus 7 years possible renewal	<ul style="list-style-type: none"> <li>Project Idea approved by the by the DNA</li> </ul>	Dr. Debra Roberts The eThekweni Municipality Tel: +27 31 311 7527 Cell: +27 71 850 7234 Fax: +27 31 311 7134 <a href="mailto:robertsd@durban.gov.za">robertsd@durban.gov.za</a>
14 May 2010/ Re-submitted on the 12 August 2010	CSP South Africa	The objective of the project is to create a new industry in clean energy which will assist in reducing the country's reliance on existing coal powered grid stations as well as creating new jobs.	Renewable Energy	525, 600	14	<ul style="list-style-type: none"> <li>Project Idea in review Process by the DNA</li> </ul>	Farouk Omar Ayob Farina Energy Trust Tel: 018 381 0280/1 Cell: 083 231 3456 Fax: 018 381 0281 <a href="mailto:ayobs@ayobs.co.za">ayobs@ayobs.co.za</a>
20 May 2010	LED's kick-off	The project is a PoA aimed at energy savings by the replacement of less efficient lighting (e.g. incandescent) with high-efficient LED lighting in Home, Commercial, Industrial, Public and housing sectors in South Africa	Energy Efficiency	560, 000	28	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. Jurgen Hornman Tel: +31 342 760 760 Cell: +31 65 157 0750 Fax: +31 342 760 761 <a href="mailto:jhornman@lemnislighting.com">jhornman@lemnislighting.com</a>
27 May 2010	Rance Timber Biomass-to-Energy Project	The aim of the project is to utilise biomass by-products from the sawmilling and plantation operations for electricity and heat generation, thereby substituting the use of conventional coal-based electricity and making Rance Timber sawmills self sufficient with energy	Biomass	75, 000	21	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Mr. John Rance Tel: 043 683 5202 Fax:086 545 0433 <a href="mailto:jcrance@rancetimber.co.za">jcrance@rancetimber.co.za</a>
23 June 2010	Kruisvallei Hydro Electricity Project	The objective of the project is to generate hydroelectricity by harnessing the potential energy of the flow of Ashriver.	Renewable Energy	34 000	10	<ul style="list-style-type: none"> <li>Project Idea approved by the DNA</li> </ul>	Christiaan Bode Kruisvallei Hydro Pty (Ltd) Cell: 082 822 4792
16 July 2010	eThekweni Municipality Solar water Heaters Programme	The objective of the project is to install 100 000 solar water heaters in upper income residential areas around eThekweni Municipality.	Renewable Energy	27 580	10	<ul style="list-style-type: none"> <li>Project Idea Under review process</li> </ul>	Teboho Motshohi eThekweni municipality Tel: 031 311 1286
05 August 2010	Grahamastown Invasive	The invasive Biomass Project	Renewable	21,000	21	<ul style="list-style-type: none"> <li>Under review</li> </ul>	Charlie Cox

	Biomass Power Project	involves the utilization of invasive alien plants as the biomass feedstock for the sustainable generation of electricity. The biomass will be sourced through the clearing of more than 7,500 hectares of invasive alien plants (eucalyptus, acacia, etc.) to power a 3,0 MW biomass power production facility.	Energy					Nollen Group <a href="http://www.nollengroup.com">www.nollengroup.com</a>

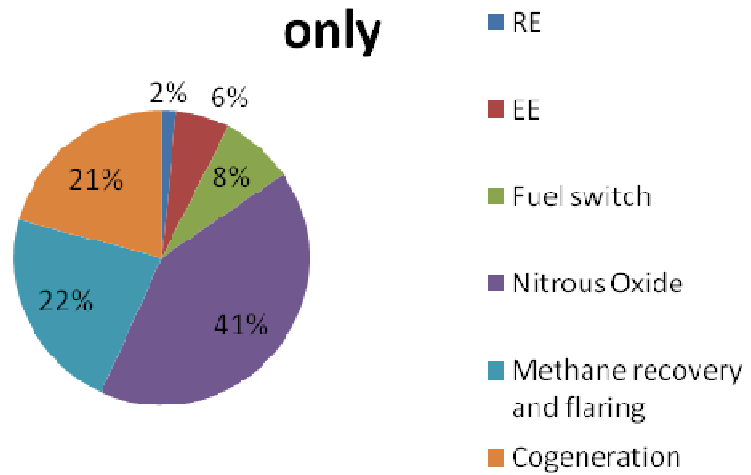
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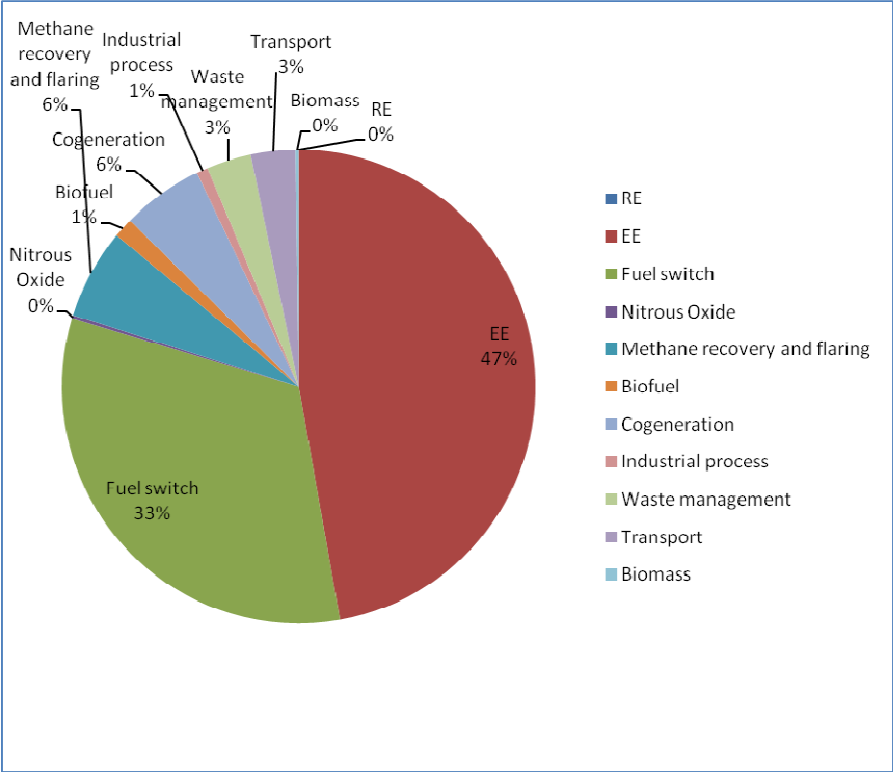
## Projects Distribution - Approved and Pipeline



## Potential Annual Emissions Reductions - Approved PDD's only



# Potential Annual Emissions Reductions



## **Projects Statistics**

<b>Renewable energy</b>	<b>= 36</b>
<b>Energy efficiency</b>	<b>= 24</b>
<b>Cogeneration</b>	<b>= 22</b>
<b>Bio-fuel production</b>	<b>= 5</b>
<b>Industrial process</b>	<b>= 5</b>
<b>Fuel switch</b>	<b>= 22</b>
<b>Methane recovery and flaring</b>	<b>= 14</b>
<b>Nitrous Oxide</b>	<b>= 4</b>
<b>Waste management</b>	<b>= 17</b>
<b>Biomass</b>	<b>= 4</b>
<b>Transport</b>	<b>= 3</b>

## ***Glossary of Terms***

CDM	Clean Development Mechanism
DNA	Designated National Authority
EB	CDM Executive Board
LoA	Letter of Approval issued by DNA
LoNO	Letter of No Objection issued by DNA
PDD	Project Design Document
PIN	Project Idea Note
EE	Energy Efficiency
RE	Renewable Energy
DNA Approval	PDD/PIN submitted to DNA & issued with LoA/LoNO
DNA Approval Pending	PDD/PIN submitted to DNA & still to be reviewed
Project Rejection	PDD/PIN submitted but LoA/LoNO <u>not</u> issued
Project Withdrawn	PDD/PIN submitted but withdrawn by project owner
Project Registered	PDD registered by the CDM Executive Board as CDM project
Registration Pending	PDD review by the CDM Executive Board requested
EB Process	Validation Stage/Corrections Requested

