

The City of Cape Town's First Section 80 Committee Meeting

Volume 7, Issue 2

August 2008

Dear Readers

The City held the first working meeting of its Energy Committee on 31 July 2008. This Section 80 Committee was formed to give expression to the Council's new Strategic Focus Area 3: Energy for a Sustainable City, which is intended to address energy security, carbon mitigation and climate change impacts.

The Committee consists of 11 Councillors who serve on the Energy Committee which has been established to advise the Mayor and the Mayoral Committee. The Committee is chaired by Councillor Marian Nieuwoudt, Mayoral Committee Member for Planning and Environment who was appointed by the Executive Mayor.

Arising out of a recent review of the Integrated Metropolitan Environmental Policy (IMEP), formally adopted by the City in 2001, a number of key issues were identified. These include the need for environmental accountability and commitment, for coordinated and integrated action, for an increased commitment to efficient use and conservation of resources, and that the Council should be seen to lead by example.

The threat of climate change means that industrialised developing countries such as South Africa are highly likely to soon be required to meet carbon emission reduction

targets. As most energy is used in the cities, this is where the responsibility of leading the way in reducing carbon emissions will rest. Thus the City has to prepare itself to take on this new role of managing and implementing the actions required to ensure a sustainable energy future.

The Committee worked through 4 work streams in which all the relevant departments are active. The Energy and Climate Change Strategy is the overarching work stream, under which fall 3 work streams:

1. Energy Security and Carbon Mitigation;
2. Adaptation and Climate Proofing and
3. Communications and Education.

The City intends to lead by example by tackling energy efficiency in its buildings, fleets, water and sewerage operations and so on. It is already running information and education programmes for City staff and for schools through its YES programme. [Turn to pg. 3 for the City of Cape Town Organogram]



Welcome to our Winter Issue of eSEED! Cities are earnestly on the move in as far as the constructive engagement and implementation of sustainable energy processes. This issue abounds with exciting developments around Renewable Energy and Energy Efficiency implementation both at city and national level. SEED has been engaging intensively with Cities in transforming city visions into mainstream service delivery and activities, bringing sustainable energy implementation closer to fruition in cities. This includes the invaluable support to cities which are recipients of the Danida Urban Environmental Management Funding. These cities are: Cape Town; eThekweni; eKurhuleni; and J'burg

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Above: The 'team' of facilitators, organizers and participants at the Sol Plaatje Municipality energy training session, organized by the SPM Sustainable Energy and Climate Change Unit and conducted by the SEED Programme, in May this year. The training session formed a part of the SECCU unit's work towards the development of an Energy and Climate Change Strategy. SPM are being supported by ESD in the completion of this

The Buffalo City Municipality Energy Policy & Strategy Development Workshops

The Buffalo City Municipality convened its Energy Policy & Strategy Development workshops on the 5 and 6 August 2008.

This process was initiated by the BCM Integrated Environmental Management Planning Unit in response to the municipality's Integrated Environmental Management Plan and the BCM IDP.

The aims of the process include:

- To understand the Energy Status of BCM in terms of the nature of demand and supply (this involves an energy audit);
- Based on the detailed understanding of BCM Energy Status,

to formulate an Energy Policy; and (aligned with the IDP and National Policy); and

- To formulate a strategy and set of achievable targets for the implementation of the policy.

The following sectors participated in these workshops:



Mark Borchers from SEA facilitating one of the Buffalo City Municipality workshops

- Local Authority
- Household Energy
- Commerce and Industry
- Transport, and
- Energy Supply including Renewable Energy.

Pursuant to the above sector workshops, a councillor workshop will be held in September 2008 in order to incorporate councillor input in the outcomes of the policy and strategy.

Once the outcomes of the sector workshops and councillor workshops have been synthesised, a final general stakeholder presentation will be held.

EnerKey enters Second Phase

Prof Adam Habib, Vice Chancellor of lead SA EnerKey partner UJ, provided an invigorating address to the strategic planning session held in J'burg in June, urging partners to work towards a vision of a collaborative energy institute and exploratorium that would pull together national initiatives and nurture innovation in the arena of sustainable energy. The session heralded the launch of the second phase of the EnerKey programme and was preceded by working group meetings of programme modules.

The EnerKey project aims to develop and apply an effective concept for a sustainable energy and climate protection structure in the City Region of Gauteng. The programme intends achieving this through a strategic collaboration of research institutes, city administrations and other stakeholders, the development and use of decision support tools, using long-term scenario planning and the implementation and monitoring of interventions.

The programme has received important new impetus with the appointment of South African based Philip Goyns as full time EnerKey Programme manager.

The MEC of the Gauteng Department of Local Government has also given

The EnerKey organizational structure on the South African side is now beginning to take shape...

the project the 'thumbs up' and driven the new decision to make the programme provincial in scope. A further important development agreed on at the session was the establishment of 'EnerKey Solutions' – a Section 21 company that will operate as the implementing, business, arm of EnerKey. This group will begin with a focus on the solar water heater mass rollout project being led by SEA with REEEP funding.

The EnerKey organizational structure on the South African side is now beginning to take shape, with the allocation of working modules to the various partner institutions to coincide with the proposed structure of the German partners. SEA is active here, as are SEED partner reps Ntombifuthi Ntuli and Sam Mutswari.

Module 1: Integrated Energy Modelling – SA partner Energy Research Centre (SEA working closely here on data collection and modeling approaches)

Module 2: Socio-economic drivers and stakeholders – SA partner DBSA (SEA also working closely here and will be on the steering committee)

Module 3: Buildings and Settlements – SA partner CSIR

Module 4: Transport and Mobility – SA partner CSIR and COJ (John Kelly)

Module 5: Renewable Energy Technologies – SA partner City of Tshwane (Sam Mutswari)

Module 6: CDM – SA partner Ekurhuleni (Ntombifuthi Ntuli)



Oudtshoorn Municipality takes Solar Water Heating Initiative

The Oudtshoorn Municipality has recently made a positive step toward increasing the uptake of solar water heaters (SWHs) within their jurisdiction.

A town planning building condition has been incorporated that requires any building over 120m² within a new development or subdivision to be fitted with a solar water heater.

The building condition came about as a result of a council resolution to increase the uptake of SWHs locally. The resolution is one of the measures the municipality is using in their efforts to meet the provincial energy reduction target of 10%. SWHs (with timers) typically reduce domestic water heating electricity use by 60%-70% and are currently economically feasible in new build scenarios.

Current SWH installation capacity in the area is low, but it is anticipated that the building condition will stimulate the growth of the SWH industry in Oudtshoorn.

Oudtshoorn is currently also considering a bylaw which will require all new buildings and additions to buildings over 120m² requiring hot water, to have either SWHs, which can be combined with electrical energy (as backup), or heat pumps installed instead of electric geysers only.

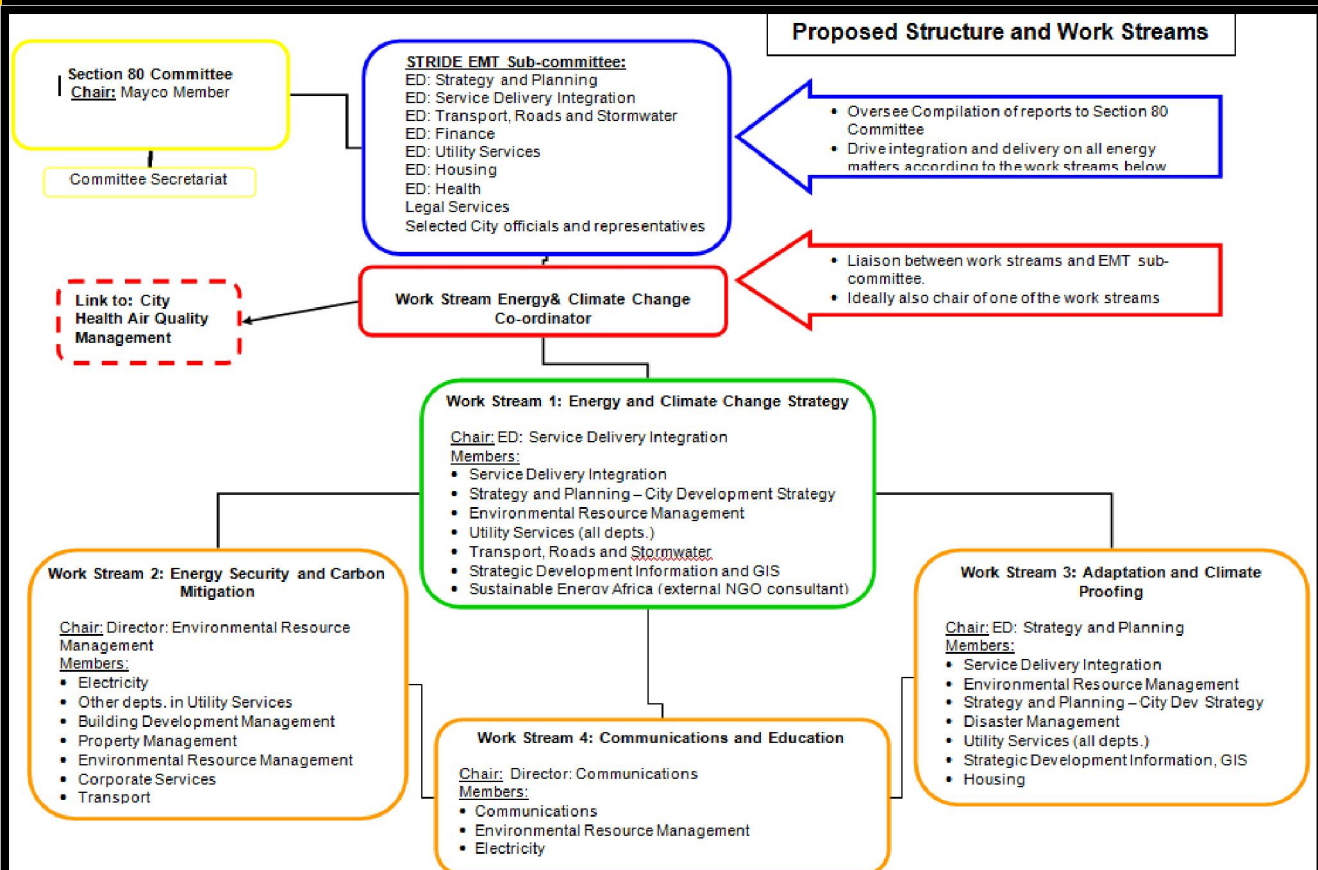
Heat pumps for domestic applications (with an efficiency of 65%) are a feasible alternative to SWHs where access to direct sunlight is

where access to direct sunlight is a problem. The format of the bylaw will be based on the draft Cape Town SWH bylaw.

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City of Cape Town Strategic Focus Area 3 on Energy



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Register now for a new executive short course

Energy and Sustainable Urban Development

Sustainable Energy Africa (SEA) in partnership with the Energy Research Centre and African Centre for Cities of the University of Cape Town are offering an intensive 6-day executive short course, accredited by the University of Cape Town and ECSA, on Energy and Sustainable Urban Development.

The course will run from 10th – 15th November 2008, at the University of Cape Town.

Key learning outcomes

- understand the global and local energy picture
- understand the urban challenge
- understand the links between energy, environment and poverty
- gain an overview of the relevant energy and municipal policy frameworks
- explore how to integrate sustainable energy options into mainstream urban design, administration and management
- explore mechanisms for implementation of sustainable energy solutions for cities.

The programme includes presentations by top energy and urban specialists (including an international guest lecturer), extensive case study exploration, site visits and group work.

Who Should Attend?

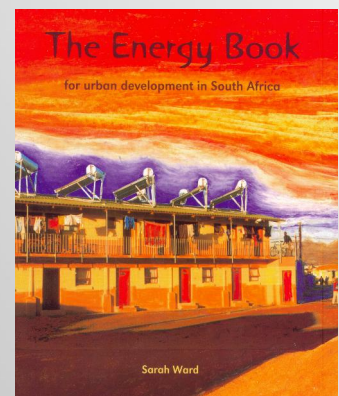
- local government officials, politicians and policy makers
- national and provincial government department officials
- project implementers working on energy, planning and environmental issues
- built environment and planning professionals
- relevant NGO and CBO staff
- tertiary students completing a degree in areas related to energy, environment, development, urban infrastructure and planning.

Participants receive a free copy of Sarah Ward's The NEW Energy Book

Course fees:

Before 30 September 2008—R5 000

After 30 September 2008—R6 250



For further information please contact Sustainable Energy Africa

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Notices, Events and Training Opportunities

Certified Energy Manager (CEM) & Cogeneration Technology Course (Co-gen): Oct 2008

This interactive and hands-on course has been developed to provide you with tools to implement successful combined heat/cool/power systems using cogeneration technology, distributed generation, and microturbines. You will receive an extensive textbook containing course materials and beneficial software for future reference. This software is a spreadsheet that analyzes cogeneration options and heat recovery.

FOR MORE INFORMATION AND BOOKINGS CONTACT:

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SEED CITY NETWORKING MEETING 11 & 12 September 2008

The Meeting will provide an overview of SEED activities through the project, highlight activities and project outputs still upcoming and detail the new, upcoming projects that lead out of our SEED work. This will also be an opportunity for cities to share developments around key areas of energy work.

ICLEI-Africa office, which is re-invigorating its local energy work will provide the meeting with an overview of their planned activities and processes.

For More Information, please contact:

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Feedback

Please let us know if you would like to be removed from the list or suggest recipients to whom eSEED would be of interest.

Comments are encouraged and suggestions are always welcome.

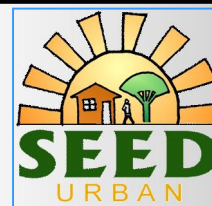
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The Sustainable Energy for Environment and Development (SEED) Programme aims to promote sustainable development through the integration of energy and environmental issues into urban development in South Africa.

The Programme develops partnerships with national and local government and with NGOs. It builds capacity in these organisations and provides training, supports information campaigns, demonstrations and implementation. At a national and international level SEED supports exchange of experience, networking and policy development.

SEED is a co-operation programme between South Africa and Denmark and is funded by DANIDA and the partner organisations.