

Programme

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|-------|------------------------------------|
| 10:30 | Welcome and overview of programme |
| | Introduction to topic and speakers |
| 10:40 | Preliminary remarks |
| 11:00 | Case Study presentation |
| 11:30 | Questions of Clarity |
| 11:40 | Panel discussion |
| 12:10 | Q&A |
| 12:25 | Concluding remarks |



Panelists



- **Jaap de Visser**, associate professor UWC Community Law Clinic. Jaap has been involved in the development of legal opinion around the City of Cape Town SWH bylaw development. He has also been very involved in the DPLG review of the powers and functions of local and provincial government.
- **George Ferreira**, Director Nelson Mandela Bay Municipal Metro Electricity and Energy Unit. George has driven the innovative and ambitious renewable energy programme of NMBMM. His city has taken a very progressive stand in interpreting municipal legislation wrt renewable energy development.
- **Mark Pickering**, CEO Mbane Energy. Mark has years of experience in the area of electricity governance and worked extensively with government around the development of the REDs.
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- **Osman Asmal** (unconfirmed), Director Environmental Resource Management, City of Cape Town. Osman led the country's first energy strategy development in Cape Town and then initiated this process in Ekurhuleni Municipal Metro.



Case Study Presenters

- **Andrew Janisch** is an electrical engineer and works as a project manager at Sustainable Energy Africa. Andrew's work includes government renewable energy and energy efficiency advocacy, solar water heater mass implementation projects and sustainable transport.
- **Yachika Reddy** is a graduate of Energy Studies at UCT and works with Cities on the SEED programme at Sustainable Energy Africa.
- **Megan Euston-Brown** joined Sustainable Energy Africa in 2004. She manages the Sustainable Energy for Environment and Development (SEED) Programme and has been involved in the development of the City of Cape Town's Smart Living Handbook and SEA's State of Energy for Cities 2006 Report. manageSEED programme



Renewable Energy City Summit

SESSION TITLE:

Realising City RE visions:

Identifying key roles and overcoming
barriers encountered by leading cities in
implementing RE projects.

SESSION ORGANISER:



DATE:

Wednesday 14th
May

TIME: 10.30am
– 12.30pm



Aims of session

- Provide an overview of where SA cities are wrt RE policy and programmes
- Through case studies demonstrate the practical challenges and constraints encountered by cities who have attempted to implement RE.
- Debate the appropriate role for SA cities in RE development
- Examine what cities can do within the current context



Energy Picture in SA Cities

- Major cities consume half country's electricity
- Without intervention city energy consumption set to double in next 20 years
- 100% fossil fuel dependent
- Metro carbon footprint on par with cities like London, Berlin, GDP/capita far lower
- Transport sector – half city energy
- Residential 17%; industrial 14%;

Where SA cities are

- 1998 SEED begins city energy learning network
- 2003 first draft Energy Strategy that id RE target
- 2003 City Energy Strategies Conference
- At least 6 strategies & 3 in progress: metros, smaller Las, Dmuncs
 - State of Energy Reports
 - Integrated TT or Commitees; SPM Units, Mayoral Section 80 committee ; 4/5 metros now call Energy & Elec dpts
 - CoCT – examing transition btwn strategies to action plan
 - Out of strategies cities have set targets swhs, re, ee in buildings, transport, ceilings in housing
 - Paucity of data leading to - M&E system being explored in SEED
- 2006 first city puts out call for proposals for RE projects
- 2007 First ever baseline of energy in cities measured against indicators developed in partnership with cities and city stakeholders
- Implementation attempts : fleet management, ee in buildings, cdm related, methane recovery projects, Darling Wind, swhs, awareness, RE purchase, Free Basic, ceilings in government delivered housing, 100s through training and capacity building sessions...
- 10% electricity reduction target






Role of SA Cities wrt energy development

- Regulator – building approval and enforcement and land-use zoning, air quality management
- Purchaser- procurement of goods & services incl energy
- Planner – spatial, transport
- Distributor of services: notably electricity & energy services, housing delivery, waste management, water
- Generator?
- Facilitator – bring parties together , send market signals, create consumer conf, new tech leader
- Internal vs city wide
 - Purchaser- procurement of goods & services incl energy
 - Owners of land and buildings

SA context

- Electricity loadshedding
- Sector dominated by enormous electricity utility dependant on very cheap coal
- National dept policy making dept with weak links to local government
- NERSA – role re RE not yet tested
- Energy intensive economy
- Energy White Paper – Bill?
- RE White Paper with target but no mechanism for implementation developed
- No FIT/TRECs - limited IPP support & enabling system
- Energy service delivery mandate unclear
- Building codes national mandate
- Persistent informal settlements without electrification
- Fuel price increases impact on poor households – cities





Summary of Barriers to implementation

- Institutional
 - Cross cutting sector – need great deal of coordination between departments and across governmental spheres
 - Where housed?
 - Core business?
 - Cities have been dependent on electricity sales
 - Lack clarity re EDI/REDS restructuring process
- Legal
 - MFMA, MSA, Nersa requirements
 - Constitutional powers and functions
- Human Capacity
 - Dedicated people
 - Complex sector – variety of specialist skills needed



Panel discussion

- Respond to the case studies
 - the issues raised
 - the gaps
 - where you disagree or agree
- How far can cities go in terms of driving RE development at the local level?
- What could a ‘new energy’ city look like?